

ALL 表示形式

AN 13532670 INPAFAMDB UPFB 20140612 UWF 201424

TI Toner compound and ink compsns.
 - Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PAS XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

PI CN 1539894 A 20041027
 DE 602004014834 D1 20080821
 EP 1471115 A1 20041027
 EP 1471115 B1 20080709
 JP 2004323846 A 20041118
 JP 4837263B B2 20111214
 US 6790267 B1 20040914
 US 20040215022 A1 20041028
 US 7592460 B2 20090922

AI CN 2004-10035105 A 20040423
 DE 2004-602004014834 A 20040421
 EP 2004-9421 A 20040421
 JP 2004-121232 A 20040416
 US 2003-422897 A 20030424
 US 2004-854581 A 20040525

PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 US 2004-854581 A 20040525 (USA, 20091001, N)
 US 2003-422897 A 20030424 (USA3, 20080710, Y)

REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

ICM C09D0017-00; C09B0069-00; C09B0023-00; C09D0011-02; C07F0009-02

ICS C09D0011-00; C09D0011-02; C09B0069-10; C09D0011-12; C09D0011-14; C07D0213-54

IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]; C07D0211-56 [I, A]

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC C09D0011-34; C09B0069-00

NCL NCLM 106/031.290; 546/329.000; 546/215.000
 NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750; 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000

INCL INCLM 106/031.290; 546/329.000; 546/215.000
 INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620; 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000

FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B; C09D0011-00

FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03; 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50; 4J039/BC54; 4J039/BC65

AB (US 6790267 B1)

Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALL.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J. H. BANING; D. R. TIETLINTON; C. R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
IC.V 7
ICM C09D0017-00
ICS C09D0011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
FA ABOR; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB ED 20080821 EW 200834 UW 201215
DN 56887127
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
TL German
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORP.
PAS XEROX CORP, US
DT Patent
PI DE 602004014834 D1 20080821
PIT DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]
DAV 20080821 gazette-pub-announcement
STA GRANTED
AI DE 2004-602004014834 A 20040421
AIT DEA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240421
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
FA AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT;
PRAI; TI; XPD

MEMBER 3

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 24162311

TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.

TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IC.V 7
ICM C09B0069-00
ICS C09D0011-02
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
FA AI; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20120412 UW 201215
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.

TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240421
IPC1 C09B0069-00 [I,A]; C09D0011-02 [I,A]
IPCR C09B0023-00 [I,A]; C09B0069-10 [I,A]; C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
FA AI; AN; DAV; CPC; DS; DT; ED; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD

MEMBER 4

AN 13532670 INPAFAMDB UP 20140612 UW 201424
DN 46140936
TI COLORANT COMPOSITION.

TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B0023-00
ICS C09B0069-10; C09D0011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/GC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/GC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
AB PROBLEM TO BE SOLVED: To provide a specific colorant compound, an ink
composition containing the colorant compound, and an improved reactive
methine colorant. SOLUTION: The colorant compound is represented by the
general formula (wherein A and B are each independently a hydrogen atom,
a halogen atom, or a tertiary amino, imine, ammonium, cyano, pyridine,
pyridinium, ether, ester, amide, sulfate, sulfonate, sulfide, sulfoxide,
phosphine, phosphonium, phosphate, nitrile, mercapto, nitro, sulfone,
acyl, azo, cyanato, alkyl, alkoxy, aryl, aryloxy, arylalkyl,
arylalkyloxy, alkylaryl or alkylaryloxy group) and has not more than
one -OH, -SH, or a primary or secondary amino group in one molecule.
COPYRIGHT: (C) 2005, JPO&NCIPI.
AL English
AS PAJ
FA AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR;
PA; PAS; PI; PIT; PRAI; REP; TI
CHG FTRM C

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240416
IPCI C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP); C09B0069-10 B;

C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPCI; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

MEMBER 5

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20230424
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
PNC.G 11. THERE ARE 11 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IC.V 7
ICM C09D0011-02
ICS C09D0011-12; C09D0011-14
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 106/031.290
NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
347/100.000
INCL INCLM 106/031.290
INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
347/100.000
AB Disclosed are colorant compounds of the formulawherein R is an alkyl
group, an aryl group, an arylalkyl group, or an alkylaryl group, and
wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy
group, a nitrile group, a nitro group, an amide group, or a sulfonamide
group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an
integer representing the number of repeat alkylene oxide units, and A and
B each, independently of the other, are hydrogen atoms, halogen atoms,
tertiary amino groups, imine groups, ammonium groups, cyano groups,
pyridine groups, pyridinium groups, ether groups, ester groups, amide
groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
or primary or secondary amino group per molecule.

AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL;
PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

MEMBER 6

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-854581 A 20040525
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAIT USA Patent application
USA3 Prior application claimed for a division
IC.V 7
ICM C07F0009-02
ICS C07D0213-54
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 546/329.000
NCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
INCL INCLM 546/329.000
INCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
AB Disclosed are colorant compounds of the formula wherein R is an alkyl
group, an aryl group, an arylalkyl group, or an alkylaryl group, and
wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy
group, a nitrile group, a nitro group, an amide group, or a sulfonamide
group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an
integer representing the number of repeat alkylene oxide units, and A and
B each, independently of the other, are hydrogen atoms, halogen atoms,
tertiary amino groups, imine groups, ammonium groups, cyano groups,
pyridine groups, pyridinium groups, ether groups, ester groups, amide
groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA;
PAS; PI; PIT; PRAI; TI

AN 13532670 INPAFAMDB ED 20091001 EW 200940 UW 201215
DN 49783991
TI Colorant compositions.
TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
 INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
 PA XEROX CORPORATION
 PAS XEROX CORP, US
 DT Patent
 PI US 7592460 B2 20090922 English
 PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
 PUBLICATION [FROM 2001 ONWARDS]
 DAV 20090922 printed-with-grant
 STA GRANTED
 AI US 2004-854581 A 20040525
 AIT USA Patent application
 PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
 US 2003-422897 A 20030424 (USA3, 20080710, Y)
 PRAIT USA Patent application
 USA3 Prior application claimed for a division
 XPD 20230424
 REC 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE
 FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 IPCI C07D0211-56 [I,A]
 IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
 C09D0011-00 [I,A]
 CPC C09D0011-34; C09B0069-00
 NCL NCLM 546/215.000
 INCL INCLM 546/215.000
 AB Disclosed are colorant compounds of the formula wherein R is an alkyl
 group, an aryl group, an arylalkyl group, or an alkylaryl group, and
 wherein R can be joined to the phenyl moiety to form a ring, each R',
 independently of the others, is a halogen atom, an alkyl group, an alkoxy
 group, a nitrile group, a nitro group, an amide group, or a sulfonamide
 group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
 the number of carbon atoms in each repeat alkylene oxide unit, x is an
 integer representing the number of repeat alkylene oxide units, and A and
 B each, independently of the other, are hydrogen atoms, halogen atoms,
 tertiary amino groups, imine groups, ammonium groups, cyano groups,
 pyridine groups, pyridinium groups, ether groups, ester groups, amide
 groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
 groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
 groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
 groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
 groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
 alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
 or primary or secondary amino group per molecule.
 AL English
 AS national office
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; INCL;
 NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALL.P 表示形式

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240416
IPC1 C09B0023-00 [I,A]; C07D0211-88 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
IPCR C09B0069-00 [I,A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALL. U 表示形式

AN 13532670 INPAFAMDB UP 20140612 UW 201424
 DN 46140936
 TI COLORANT COMPOSITION.
 TL English
 IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 PA XEROX CORP
 PAS XEROX CORP
 DT Patent
 PI JP 2004323846 A 20041118
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
 PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
 APPLICATION) [FROM 19790726 ONWARDS]
 DAV 20041118 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2004-121232 A 20040416
 AIT JPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAIT USA Patent application
 REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR
 THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 IC. V 7
 ICM C09B0023-00
 ICS C09B0069-10; C09D0011-00
 IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]
 CPC C09D0011-34; C09B0069-00
 FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
 C09D0011-00
 FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
 4J039/BC54; 4J039/BC65
 AB PROBLEM TO BE SOLVED: To provide a specific colorant compound, an ink
 composition containing the colorant compound, and an improved reactive
 methine colorant. SOLUTION: The colorant compound is represented by the
 general formula (wherein A and B are each independently a hydrogen atom,
 a halogen atom, or a tertiary amino, imine, ammonium, cyano, pyridine,
 pyridinium, ether, ester, amide, sulfate, sulfonate, sulfide, sulfoxide,
 phosphine, phosphonium, phosphate, nitrile, mercapto, nitro, sulfone,
 acyl, azo, cyanato, alkyl, alkoxyl, aryl, aryloxyl, arylalkyl,
 arylalkyloxyl, alkylaryl or alkylaryloxyl group) and has not more than
 one -OH, -SH, or a primary or secondary amino group in one molecule.
 COPYRIGHT: (C) 2005, JPO&NCIPI.
 AL English
 AS PAJ
 FA AB; AI; AN; DAV; CHG; GPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR;
 PA; PAS; PI; PIT; PRAI; REP; TI
 CHG FTRM C

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
 DN 46140936
 DT Patent
 PI JP 4837263B B2 20111214
 PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
 ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
 ONWARDS]
 DAV 20111214 printed-with-grant
 STA GRANTED
 AI JP 2004-121232 A 20040416
 AIT JPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAIT USA Patent application
 XPD 20240416

IPC1 C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
GPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALLG 表示形式

AN 13532670 INPAFAMDB UPFB 20140612 UWF 201424

TI Toner compound and ink compsns.
 - Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PAS XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

PI CN 1539894 A 20041027
 DE 602004014834 D1 20080821
 EP 1471115 A1 20041027
 EP 1471115 B1 20080709
 JP 2004323846 A 20041118
 JP 4837263B B2 20111214
 US 6790267 B1 20040914
 US 20040215022 A1 20041028
 US 7592460 B2 20090922

AI CN 2004-10035105 A 20040423
 DE 2004-602004014834 A 20040421
 EP 2004-9421 A 20040421
 JP 2004-121232 A 20040416
 US 2003-422897 A 20030424
 US 2004-854581 A 20040525

PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 US 2004-854581 A 20040525 (USA, 20091001, N)
 US 2003-422897 A 20030424 (USA3, 20080710, Y)

REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

ICM C09D0017-00; C09B0069-00; C09B0023-00; C09D0011-02; C07F0009-02

ICS C09D0011-00; C09D0011-02; C09B0069-10; C09D0011-12; C09D0011-14; C07D0213-54

IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]; C07D0211-56 [I, A]

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC C09D0011-34; C09B0069-00

NCL NCLM 106/031.290; 546/329.000; 546/215.000
 NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750; 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000

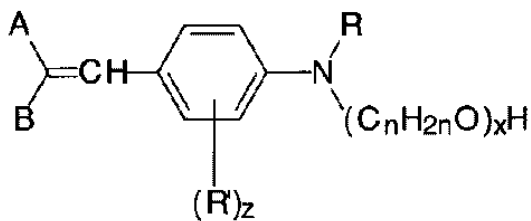
INCL INCLM 106/031.290; 546/329.000; 546/215.000
 INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620; 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000

FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B; C09D0011-00

FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03; 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50; 4J039/BC54; 4J039/BC65

AB (US 6790267 B1)

Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.



JP2004323846A

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALLO 表示形式

AN 13532670 INPAFAMDB UPFB 20140612 UWF 201424
TI Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
- Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
- COLORANT COMPOSITION.
- Colorant compositions.
TIO 着色剂化合物及其油墨组合物。
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INO J·H·班宁
- 蒂特林顿
- 金
PAS XEROX CORP, JP
- XEROX CORP, US
- XEROX CORP
PAO 施乐公司
PI CN 1539894 A 20041027
DE 602004014834 D1 20080821
EP 1471115 A1 20041027
EP 1471115 B1 20080709
JP 2004323846 A 20041118
JP 4837263B B2 20111214
US 6790267 B1 20040914
US 20040215022 A1 20041028
US 7592460 B2 20090922
AI CN 2004-10035105 A 20040423
DE 2004-602004014834 A 20040421
EP 2004-9421 A 20040421
JP 2004-121232 A 20040416
US 2003-422897 A 20030424
US 2004-854581 A 20040525
AIO A2004100351057
602004014834
04009421
2004121232
10422897
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PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAO 10/422897
422897
422897
2003 422897
2003 422897
10422897
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
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42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
ICM C09D0017-00; C09B0069-00; C09B0023-00; C09D0011-02; C07F0009-02
ICS C09D0011-00; C09D0011-02; C09B0069-10; C09D0011-12; C09D0011-14; C07D0213-54
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A];
C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A];
C07D0211-56 [I, A]

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

CPC C09D0011-34; C09B0069-00

NCL NCLM 106/031.290; 546/329.000; 546/215.000
NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
564/441.000; 564/443.000

INCL INCLM 106/031.290; 546/329.000; 546/215.000
INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
564/441.000; 564/443.000

FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP); C09B0069-10 B;
C09D0011-00

FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

AB (US 6790267 B1)
Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

ABOR 公开了一种下式结构的着色剂化合物, 其中, R为烷基、芳基、芳烷基、或烷芳基, 以及其中的R可以连到苯基上形成环, 每个R'彼此独立地为卤原子、烷基、烷氧基、腈基、硝基、酰胺基或磺酰胺基, z为0、1、2、3或4的整数; n为代表每个重复的烯化氧单元中的碳原子个数的整数, x为代表重复烯化氧单元的个数的整数, 以及A和B彼此各自独立地为氢原子、卤原子、叔胺基、亚胺基、铵基、氰基、吡啶基、吡啶基、醚基、酯基、酰胺基、硫酸酯基、磺酸酯基、硫化物基团、亚砷基团、膦基、膦基、磷酸酯基、腈基、巯基、硝基、砷基、酰基、偶氮基、氰酸酯基、烷基、烷氧基、芳基、芳氧基、芳烷基、芳烷氧基、烷

芳基或烷芳氧基, 其中所述的着色剂每分子至多含有一个-OH、-SH 或伯或仲氨基。.

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALLO.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB UP 20120412 UW 201215
 DN 18269152
 TI Toner compound and ink compsns.
 TL English
 TIO 着色剂化合物及其油
 墨组合物
 IN J.H. BANING; D.R. TIETLINTON; C.R. KING
 INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
 INO J·H·班宁; 蒂特林顿;
 金
 PA XEROX CORP.
 PAS XEROX CORP, JP
 PAO 施乐公司
 DT Patent
 PI CN 1539894 A 20041027
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20041027 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2004-10035105 A 20040423
 AIO A2004100351057
 AIT CNA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAO 10/422897
 PRAIT USA Patent application
 IC.V 7
 ICM C09D0017-00
 ICS C09D0011-00
 IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]
 CPC C09D0011-34; C09B0069-00
 ABOR 公开了一种下式结构
 的着色剂化合物, 其
 中, R为烷基、芳基、
 芳烷基、或烷芳基,
 以及其中的R可以连到
 苯基上形成环, 每个
 R'彼此独立地为卤原
 子、烷基、烷氧基、
 腈基、硝基、酰胺基
 或磺酰胺基, z为0、
 1、2、3或4的整数; n为
 代表每个重复的烯化
 氧单元中的碳原子个
 数的整数, x为代表重
 复烯化氧单元的个数
 的整数, 以及A和B彼此
 各自独立地为氢原子
 、卤原子、叔胺基、
 亚胺基、铵基、氰基
 、吡啶基、吡啶基、
 酰基、酯基、酰胺基
 、硫酸酯基、磺酸酯
 基、硫化物基团、亚
 砷基团、膦基、膦基
 、磷酸酯基、腈基、
 巯基、硝基、砷基、
 酰基、偶氮基、氰酸
 酯基、烷基、烷氧基
 、芳基、芳氧基、芳
 烷基、芳烷氧基、烷
 芳基或烷芳氧基, 其

中所述的着色剂每分子至多含有一个-OH、-SH 或伯或仲氨基。

FA ABOR; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB ED 20080821 EW 200834 UW 201215
DN 56887127
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
TL German
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORP.
PAS XEROX CORP, US
DT Patent
PI DE 602004014834 D1 20080821
PIT DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]
DAV 20080821 gazette-pub-announcement
STA GRANTED
AI DE 2004-602004014834 A 20040421
AIO 602004014834
AIT DEA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 422897
PRAIT USA Patent application
XPD 20240421
IPC1 C09B0069-00 [I,A]; C09D0011-02 [I,A]
IPCR C09B0023-00 [I,A]; C09B0069-10 [I,A]; C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
FA AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; IPCR; PA; PAS; PI; PIT; PRAI; TI; XPD

MEMBER 3

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 422897
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IC.V 7
 ICM C09B0069-00
 ICS C09D0011-02
 IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
 C09D0011-00 [I,A]
 CPC C09D0011-34; C09B0069-00
 FA AI; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
 PIT; PRAI; REP; TI

 AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20120412 UW 201215
 DN 24162311
 TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
 Tinte.
 Methine dyes with a polyoxyalkylene moiety and inks containing them.
 Colorants methines substitués par un groupe polyoxyalkylene et encre les
 contenant.
 TL German; English; French
 IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
 INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
 PA XEROX CORPORATION
 PAS XEROX CORP, US
 DT Patent
 PI EP 1471115 B1 20080709 English
 PIT EPB1 PATENT SPECIFICATION
 DAV 20080709 printed-with-grant
 STA GRANTED
 DS R: DE FR GB
 AI EP 2004-9421 A 20040421
 AIO 04009421
 AIT EPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAO 422897
 PRAIT USA Patent application
 XPD 20240421
 IPCI C09B0069-00 [I,A]; C09D0011-02 [I,A]
 IPCR C09B0023-00 [I,A]; C09B0069-10 [I,A]; C09D0011-00 [I,A]
 CPC C09D0011-34; C09B0069-00
 FA AI; AN; DAV; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
 PI; PIT; PRAI; TI; XPD

 MEMBER 4

AN 13532670 INPAFAMDB UP 20140612 UW 201424
 DN 46140936
 TI COLORANT COMPOSITION.
 TL English
 IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 PA XEROX CORP
 PAS XEROX CORP
 DT Patent
 PI JP 2004323846 A 20041118
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
 PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
 APPLICATION) [FROM 19790726 ONWARDS]
 DAV 20041118 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2004-121232 A 20040416
 AIO 2004121232
 AIT JPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAO 2003 422897
 PRAIT USA Patent application
 REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR
 THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IC.V 7
ICM C09B0023-00
ICS C09B0069-10; C09D0011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
AB PROBLEM TO BE SOLVED: To provide a specific colorant compound, an ink
composition containing the colorant compound, and an improved reactive
methine colorant. SOLUTION: The colorant compound is represented by the
general formula (wherein A and B are each independently a hydrogen atom,
a halogen atom, or a tertiary amino, imine, ammonium, cyano, pyridine,
pyridinium, ether, ester, amide, sulfate, sulfonate, sulfide, sulfoxide,
phosphine, phosphonium, phosphate, nitrile, mercapto, nitro, sulfone,
acyl, azo, cyanato, alkyl, alkoxyl, aryl, aryloxyl, arylalkyl,
arylaalkyloxyl, alkylaryl or alkylaryloxyl group) and has not more than
one -OH, -SH, or a primary or secondary amino group in one molecule.
COPYRIGHT: (C) 2005, JPO&NCIPI.
AL English
AS PAJ
FA AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR;
PA; PAS; PI; PIT; PRAI; REP; TI
CHG FTRM C

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 2003 422897
PRAIT USA Patent application
XPD 20240416
IPCI C09B0023-00 [I,A]; C07D0211-88 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
IPCR C09B0069-00 [I,A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPCI; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

MEMBER 5

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49146124

TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIO 10422897
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20230424
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
PNC. G 11. THERE ARE 11 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IC. V 7
ICM C09D0011-02
ICS C09D0011-12; C09D0011-14
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 106/031.290
NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
347/100.000
INCL INCLM 106/031.290
INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
347/100.000
AB Disclosed are colorant compounds of the formulawherein R is an alkyl
group, an aryl group, an arylalkyl group, or an alkylaryl group, and
wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy
group, a nitrile group, a nitro group, an amide group, or a sulfonamide
group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an
integer representing the number of repeat alkylene oxide units, and A and
B each, independently of the other, are hydrogen atoms, halogen atoms,
tertiary amino groups, imine groups, ammonium groups, cyano groups,
pyridine groups, pyridinium groups, ether groups, ester groups, amide
groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL;
PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

MEMBER 6

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-854581 A 20040525
AIO 10854581
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAO 10422897
PRAIT USA Patent application
USA3 Prior application claimed for a division
IC.V 7
ICM C07F0009-02
ICS C07D0213-54
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 546/329.000
NCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
INCL INCLM 546/329.000
INCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
AB Disclosed are colorant compounds of the formula wherein R is an alkyl
group, an aryl group, an arylalkyl group, or an alkylaryl group, and
wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy
group, a nitrile group, a nitro group, an amide group, or a sulfonamide
group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an
integer representing the number of repeat alkylene oxide units, and A and
B each, independently of the other, are hydrogen atoms, halogen atoms,
tertiary amino groups, imine groups, ammonium groups, cyano groups,
pyridine groups, pyridinium groups, ether groups, ester groups, amide
groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA;
PAS; PI; PIT; PRAI; TI
AN 13532670 INPAFAMDB ED 20091001 EW 200940 UW 201215
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 7592460 B2 20090922 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20090922 printed-with-grant
STA GRANTED
AI US 2004-854581 A 20040525
AIO 10854581
AIT USA Patent application

PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAO 10422897
PRAIT USA Patent application
USA3 Prior application claimed for a division
XPD 20230424
REC 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE
FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IPC1 C07D0211-56 [I,A]
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 546/215.000
INCL INCLM 546/215.000
AB Disclosed are colorant compounds of the formula wherein R is an alkyl
group, an aryl group, an arylalkyl group, or an alkylaryl group, and
wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy
group, a nitrile group, a nitro group, an amide group, or a sulfonamide
group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an
integer representing the number of repeat alkylene oxide units, and A and
B each, independently of the other, are hydrogen atoms, halogen atoms,
tertiary amino groups, imine groups, ammonium groups, cyano groups,
pyridine groups, pyridinium groups, ether groups, ester groups, amide
groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide
groups, phosphine groups, phosphonium groups, phosphate groups, nitrile
groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo
groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy
groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or
alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH,
or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; IPCR; LA; INCL;
NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALLO.P 表示形式

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 2003 422897
PRAIT USA Patent application
XPD 20240416
IPC1 C09B0023-00 [I,A]; C07D0211-88 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
IPCR C09B0069-00 [I,A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

2 priorities, 6 applications, 9 publications (1 EPO simple family)

ALLO.U 表示形式

AN 13532670 INPAFAMDB UP 20140612 UW 201424
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 2003 422897
PRAIT USA Patent application
REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B0023-00
ICS C09B0069-10; C09D0011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
AB PROBLEM TO BE SOLVED: To provide a specific colorant compound, an ink
composition containing the colorant compound, and an improved reactive
methine colorant. SOLUTION: The colorant compound is represented by the
general formula (wherein A and B are each independently a hydrogen atom,
a halogen atom, or a tertiary amino, imine, ammonium, cyano, pyridine,
pyridinium, ether, ester, amide, sulfate, sulfonate, sulfide, sulfoxide,
phosphine, phosphonium, phosphate, nitrile, mercapto, nitro, sulfone,
acyl, azo, cyanato, alkyl, alkoxy, aryl, aryloxy, arylalkyl,
arylalkyloxy, alkylaryl or alkylaryloxy group) and has not more than
one -OH, -SH, or a primary or secondary amino group in one molecule.
COPYRIGHT: (C) 2005, JPO&NCIPI.
AL English
AS PAJ
FA AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR;
PA; PAS; PI; PIT; PRAI; REP; TI
CHG FTRM C

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application

PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAO 2003 422897
PRAIT USA Patent application
XPD 20240416
IPC1 C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/GE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
FA AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT;
PRAI; XPD
CHG FTRM C

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IALL 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB
 TITLE: Toner compound and ink compsns.
 - Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INVENTOR(S) :
 STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP;
 BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PATENT ASSIGNEE(S) :
 STANDARDIZED: XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1539894	A	20041027
DE 602004014834	D1	20080821
EP 1471115	A1	20041027
EP 1471115	B1	20080709
JP 2004323846	A	20041118
JP 4837263B	B2	20111214
US 6790267	B1	20040914
US 20040215022	A1	20041028
US 7592460	B2	20090922

APPLICATION INFO. :

NUMBER	KIND	DATE
CN 2004-10035105	A	20040423
DE 2004-602004014834	A	20040421
EP 2004-9421	A	20040421
JP 2004-121232	A	20040416
US 2003-422897	A	20030424
US 2004-854581	A	20040525

PRIORITY APPL. INFO. :

NUMBER	KIND	DATE
US 2003-422897	A	20030424 (USA, 20080710, Y)
US 2004-854581	A	20040525 (USA, 20091001, N)
US 2003-422897	A	20030424 (USA3, 20080710, Y)

CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

INT. PATENT CLASSIF. :
 MAIN: C09D0017-00; C09B0069-00; C09B0023-00; C09D0011-02; C07F0009-02
 SECONDARY: C09D0011-00; C09D0011-02; C09B0069-10; C09D0011-12; C09D0011-14; C07D0213-54

IPC ORIGINAL : C09B0069-00 [I, A]; C09D0011-02 [I, A];
 C09B0023-00 [I, A]; C07D0211-88 [I, A];

C09B0069-10 [I, A]; C09D0011-00 [I, A];
 C07D0211-56 [I, A] IPC RECLASSIFIED :
 C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]
 CPC CLASSIFICATION: C09D0011-34; C09B0069-00
 USCLASS NCLM: 106/031.290; 546/329.000; 546/215.000
 USCLASS NCLS: 106/031.300; 106/031.430; 106/031.610; 106/031.620;
 106/031.750; 347/100.000; 546/330.000; 558/190.000;
 558/408.000; 564/440.000; 564/441.000; 564/443.000
 USCLASS INCLM: 106/031.290; 546/329.000; 546/215.000
 INCLS: 106/031.610; 106/031.430; 106/031.750; 106/031.300;
 106/031.620; 347/100.000; 546/330.000; 558/190.000;
 558/408.000; 564/440.000; 564/441.000; 564/443.000
 JAP. PATENT CLASSIF. : C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP);
 C09B0069-10 B; C09D0011-00
 FTERM CLASSIF. : 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24;
 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04;
 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04;
 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16;
 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
 4J039/BC54; 4J039/BC65
 ABSTRACT: (US 6790267 B1)
 Disclosed are colorant compounds of the formulawherein
 R is an alkyl group, an aryl group, an arylalkyl
 group, or an alkylaryl group, and wherein R can be
 joined to the phenyl moiety to form a ring, each R',
 independently of the others, is a halogen atom, an
 alkyl group, an alkoxy group, a nitrile group, a nitro
 group, an amide group, or a sulfonamide group, z is an
 integer of 0, 1, 2, 3, or 4, n is an integer
 representing the number of carbon atoms in each repeat
 alkylene oxide unit, x is an integer representing the
 number of repeat alkylene oxide units, and A and B
 each, independently of the other, are hydrogen atoms,
 halogen atoms, tertiary amino groups, imine groups,
 ammonium groups, cyano groups, pyridine groups,
 pyridinium groups, ether groups, ester groups, amide
 groups, sulfate groups, sulfonate groups, sulfide
 groups, sulfoxide groups, phosphine groups,
 phosphonium groups, phosphate groups, nitrile groups,
 mercapto groups, nitro groups, sulfone groups, acyl
 groups, azo groups, cyanato groups, alkyl groups,
 alkoxy groups, aryl groups, aryloxy groups, arylalkyl
 groups, arylalkyloxy groups, alkylaryl groups, or
 alkylaryloxy groups, wherein said colorant has no more
 than one -OH, -SH, or primary or secondary amino group
 per molecule.

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IALL.M 表示形式

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB UP 20120412 UW 201215

DOCUMENT NUMBER: 18269152

TITLE: Toner compound and ink compsns.

TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: J.H. BANING; D.R. TIETLINTON; C.R. KING
 STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP

PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP.
 STANDARDIZED: XEROX CORP, JP

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1539894	A	20041027

PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.

DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: CN 2004-10035105 A 20040423

APPL. INFO. TYPE: CNA Patent application

PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA, 20080710, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:
 MAIN: C09D0017-00 (not assigned by patent authority)
 SECONDARY: C09D0011-00

IPC RECLASSIFIED : C09B0023-00 [I,A]; C09B0069-00 [I,A];
 C09B0069-10 [I,A]; C09D0011-00 [I,A]

CPC CLASSIFICATION: C09D0011-34; C09B0069-00

FIELD AVAILABILITY: ABOR; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC;
 IPCR; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

ACCESSION NUMBER: 13532670 INPAFAMDB ED 20080821 EW 200834 UW 201215

DOCUMENT NUMBER: 56887127

TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.

TITLE LANGUAGE: German

INVENTOR(S):
 NON-STANDARD.: BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
 STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP.
 STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
DE 602004014834	D1	20080821

PATENT INFO. TYPE: DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]

DATE OF AVAILABILITY: 20080821 gazette-pub-announcement

PATENT STATUS: GRANTED

APPLICATION INFO.: DE 2004-602004014834 A 20040421

APPL. INFO. TYPE: DEA Patent application

PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA, 20080710, Y)

PRIO. APPL. INFO. TYPE: USA Patent application
CALC. EXPIR. DATE: 20240421
IPC ORIGINAL : C09B0069-00 [I, A]; C09D0011-02 [I, A]
IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC CLASSIFICATION: C09D0011-34; C09B0069-00
FIELD AVAILABILITY: AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI;
IPCR; PA; PAS; PI; PIT; PRAI; TI; XPD

MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB UP 20120412 UW 201215
DOCUMENT NUMBER: 24162311
TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TITLE LANGUAGE: German; English; French
INVENTOR(S):
NON-STANDARD: BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:

	NUMBER	KIND	DATE
PATENT INFO. TYPE:	EP 1471115	A1	20041027 English
DATE OF AVAILABILITY:	EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT		
PATENT STATUS:	20041027 examined-printed-without-grant		
DESIGNATED STATES:	PRE-GRANT PUBLICATION		
R:	DE FR GB		
APPLICATION INFO.:	EP 2004-9421	A	20040421
APPL. INFO. TYPE:	EPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA, 20080710, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CITED REFERENCE COUNT:	4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:	C09B0069-00 (not assigned by patent authority)		
MAIN:	C09D0011-02		
SECONDARY:	C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]		
IPC RECLASSIFIED :	C09D0011-34; C09B0069-00		
CPC CLASSIFICATION:	AI; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI		
FIELD AVAILABILITY:			

ACCESSION NUMBER: 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20120412 UW 201215
DOCUMENT NUMBER: 24162311
TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TITLE LANGUAGE: German; English; French

INVENTOR(S) :
 NON-STANDARD. : BANNING, JEFFERY H. ; TITTERINGTON, DONALD R. ; KING, CLIFFORD R.
 STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PATENT ASSIGNEE(S) :
 NON-STANDARD. : XEROX CORPORATION
 STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1471115	B1	20080709

English
 PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION
 DATE OF AVAILABILITY: 20080709 printed-with-grant
 PATENT STATUS: GRANTED
 DESIGNATED STATES:
 R: DE FR GB

APPLICATION INFO. : EP 2004-9421 A 20040421
 APPL. INFO. TYPE: EPA Patent application
 PRIORITY APPL. INFO. : US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CALC. EXPIR. DATE: 20240421
 IPC ORIGINAL : C09B0069-00 [I, A]; C09D0011-02 [I, A]
 IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]
 CPC CLASSIFICATION: C09D0011-34; C09B0069-00
 FIELD AVAILABILITY: AI; AN; DAV; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD

MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB
 UP 20140612 UW 201424

DOCUMENT NUMBER: 46140936
 TITLE: COLORANT COMPOSITION.
 TITLE LANGUAGE: English

INVENTOR(S) :
 NON-STANDARD. : BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 STANDARDIZED: BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PATENT ASSIGNEE(S) :
 NON-STANDARD. : XEROX CORP
 STANDARDIZED: XEROX CORP

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2004323846	A	20041118

PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]
 DATE OF AVAILABILITY: 20041118 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO. : JP 2004-121232 A 20040416
 APPL. INFO. TYPE: JPA Patent application
 PRIORITY APPL. INFO. : US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CITED REFERENCE COUNT: 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IPC VERSION(1-7) : 7
 INT. PATENT CLASSIF. :
 MAIN: C09B0023-00 (not assigned by patent authority)
 SECONDARY: C09B0069-10; C09D0011-00

IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC CLASSIFICATION: C09D0011-34; C09B0069-00
JAP. PATENT CLASSIF. : C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP);
C09B0069-10 B; C09D0011-00

FTERM CLASSIF. : 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24;
4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04;
4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04;
4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16;
4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

ABSTRACT (ENGLISH) : PROBLEM TO BE SOLVED: To provide a specific colorant
compound, an ink composition containing the colorant
compound, and an improved reactive methine colorant.
SOLUTION: The colorant compound is represented by the
general formula (wherein A and B are each
independently a hydrogen atom, a halogen atom, or a
tertiary amino, imine, ammonium, cyano, pyridine,
pyridinium, ether, ester, amide, sulfate, sulfonate,
sulfide, sulfoxide, phosphine, phosphonium, phosphate,
nitrile, mercapto, nitro, sulfone, acyl, azo, cyanato,
alkyl, alkoxyl, aryl, aryloxyl, arylalkyl,
arylalkyloxyl, alkylaryl or alkylaryloxyl group) and
has not more than one -OH, -SH, or a primary or
secondary amino group in one molecule. COPYRIGHT:
(C) 2005, JPO&NCIPI.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: PAJ
FIELD AVAILABILITY: AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICM; ICS;
IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI
FTRM C

UPDATE CHANGES: FTRM C

ACCESSION NUMBER: 13532670 INPAFAMDB
ED 20120120 EW 201203 UP 20140612 UW 201424

DOCUMENT NUMBER: 46140936
PATENT INFORMATION:

NUMBER	KIND	DATE
JP 4837263B	B2	20111214

PATENT INFO. TYPE: JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND
LEVEL) [FROM 19710716 ONWARDS] or PUBLISHED GRANTED
PATENT (SECOND LEVEL) [FROM 19960301 ONWARDS]

DATE OF AVAILABILITY: 20111214 printed-with-grant
PATENT STATUS: GRANTED

APPLICATION INFO. : JP 2004-121232 A 20040416
APPL. INFO. TYPE: JPA Patent application
PRIORITY APPL. INFO. : US 2003-422897 A 20030424 (USA, 20080710, Y)
PRIO. APPL. INFO. TYPE: USA Patent application
CALC. EXPIR. DATE: 20240416

IPC ORIGINAL : C09B0023-00 [I, A]; C07D0211-88 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]

IPC RECLASSIFIED : C09B0069-00 [I, A]
CPC CLASSIFICATION: C09D0011-34; C09B0069-00
JAP. PATENT CLASSIF. : C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP);
C09B0069-10 B; C09D0011-00

FTERM CLASSIF. : 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24;
4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04;
4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04;
4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16;
4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

FIELD AVAILABILITY: AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC;
IPCI; IPCR; PI; PIT; PRAI; XPD

UPDATE CHANGES: FTRM C

MEMBER 5

ACCESSION NUMBER: 13532670 INPAFAMDB UP 20120412 UW 201215

DOCUMENT NUMBER: 49146124

TITLE: Colorant compositions.

TITLE LANGUAGE: English

INVENTOR(S):

NON-STANDARD.: BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.

STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PATENT ASSIGNEE(S):

NON-STANDARD.: XEROX CORPORATION

STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
US 6790267	B1	20040914

PATENT INFO. TYPE: USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION [FROM 2001 ONWARDS]

DATE OF AVAILABILITY: 20040914 printed-with-grant

PATENT STATUS: GRANTED

APPLICATION INFO.: US 2003-422897 A 20030424

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA, 20080710, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CALC. EXPIR. DATE: 20230424

CITED REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

CITING PATENT NO. COUNT: 11. THERE ARE 11 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:

MAIN: C09D0011-02 (not assigned by patent authority)

SECONDARY: C09D0011-12; C09D0011-14

IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC CLASSIFICATION: C09D0011-34; C09B0069-00

USCLASS NCLM: 106/031.290

USCLASS NCLS: 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750; 347/100.000

USCLASS INCLM: 106/031.290

INCLS: 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620; 347/100.000

ABSTRACT (ENGLISH): Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups,

mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB: AI: AN: DAV: CGP: CPC: DT: ICM: ICS: IN: INS: IPC: IPCR: INCL: NCL: PA: PAS: PI: PIT: PRAI: REN: REP: TI: XPD

MEMBER 6

ACCESSION NUMBER: 13532670 INPAFAMDB UP 20120412 UW 201215
DOCUMENT NUMBER: 49783991
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 20040215022	A1	20041028
PATENT INFO. TYPE:	USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20041028 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	US 2004-854581	A	20040525
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2004-854581	A	20040525 (USA, 20091001, N)
	US 2003-422897	A	20030424 (USA3, 20080710, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application USA3 Prior application claimed for a division		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:			
MAIN:	C07F0009-02 (not assigned by patent authority)		
SECONDARY:	C07D0213-54		
IPC RECLASSIFIED :	C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A]; C09D0011-00 [I,A]		
CPC CLASSIFICATION:	C09D0011-34; C09B0069-00		
USCLASS NCLM:	546/329.000		
USCLASS NCLS:	546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000		
USCLASS INCLM:	546/329.000		
INCLS:	546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000; 564/443.000		
ABSTRACT (ENGLISH):	Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer		

representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI

ACCESSION NUMBER: 13532670 INPAFAMDB
ED 20091001 EW 200940 UW 201215

DOCUMENT NUMBER: 49783991
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
US 7592460	B2	20090922 English

PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]

DATE OF AVAILABILITY: 20090922 printed-with-grant
PATENT STATUS: GRANTED

APPLICATION INFO.: US 2004-854581 A 20040525
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)

PRIO. APPL. INFO. TYPE: USA Patent application
USA3 Prior application claimed for a division

CALC. EXPIR. DATE: 20230424
CITED REFERENCE COUNT: 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IPC ORIGINAL : C07D0211-56 [I, A]
IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC CLASSIFICATION: C09D0011-34; C09B0069-00
USCLASS NCLM: 546/215.000
USCLASS INCLM: 546/215.000
ABSTRACT (ENGLISH): Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer

representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IALL.P 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB
ED 20120120 EW 201203 UP 20140612 UW 201424
DOCUMENT NUMBER: 46140936
PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 4837263B	B2	20111214
PATENT INFO. TYPE:	JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716 ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301 ONWARDS]		
DATE OF AVAILABILITY:	20111214 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	JP 2004-121232	A	20040416
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA, 20080710, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CALC. EXPIR. DATE:	20240416		
IPC ORIGINAL :	C09B0023-00	[I, A];	C07D0211-88 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIFIED :	C09B0069-00	[I, A]	
CPC CLASSIFICATION:	C09D0011-34; C09B0069-00		
JAP. PATENT CLASSIF.:	C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B; C09D0011-00		
FTERM CLASSIF.:	4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03; 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50; 4J039/BC54; 4J039/BC65		
FIELD AVAILABILITY:	AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT; PRAI; XPD		
UPDATE CHANGES:	FTRM C		

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IALL.U 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB UP 20140612 UW 201424

DOCUMENT NUMBER: 46140936

TITLE: COLORANT COMPOSITION.

TITLE LANGUAGE: English

INVENTOR(S):

NON-STANDARD.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

STANDARDIZED: BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PATENT ASSIGNEE(S):

NON-STANDARD.: XEROX CORP

STANDARDIZED: XEROX CORP

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2004323846	A	20041118

PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]

DATE OF AVAILABILITY: 20041118 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2004-121232 A 20040416

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA, 20080710, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CITED REFERENCE COUNT: 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:

MAIN: C09B0023-00 (not assigned by patent authority)

SECONDARY: C09B0069-10; C09D0011-00

IPC RECLASSIFIED : C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]

CPC CLASSIFICATION: C09D0011-34; C09B0069-00

JAP. PATENT CLASSIF. : C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B; C09D0011-00

FTERM CLASSIF. : 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03; 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50; 4J039/BC54; 4J039/BC65

ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a specific colorant compound, an ink composition containing the colorant compound, and an improved reactive methine colorant. SOLUTION: The colorant compound is represented by the general formula (wherein A and B are each independently a hydrogen atom, a halogen atom, or a tertiary amino, imine, ammonium, cyano, pyridine, pyridinium, ether, ester, amide, sulfate, sulfonate, sulfide, sulfoxide, phosphine, phosphonium, phosphate, nitrile, mercapto, nitro, sulfone, acyl, azo, cyanato, alkyl, alkoxy, aryl, aryloxy, arylalkyl, arylalkyloxy, alkylaryl or alkylaryloxy group) and has not more than one -OH, -SH, or a primary or secondary amino group in one molecule. COPYRIGHT: (C) 2005, JPO&NCIPI.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: PAJ

FIELD AVAILABILITY: AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

UPDATE CHANGES: FTRM C

ACCESSION NUMBER: 13532670 INPAFAMDB
ED 20120120 EW 201203 UP 20140612 UW 201424
DOCUMENT NUMBER: 46140936

PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 4837263B	B2	20111214
PATENT INFO. TYPE:	JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716 ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301 ONWARDS]		
DATE OF AVAILABILITY:	20111214 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	JP 2004-121232	A	20040416
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA, 20080710, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CALC. EXPIR. DATE:	20240416		
IPC ORIGINAL :	C09B0023-00	[I, A];	C07D0211-88 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIFIED :	C09B0069-00	[I, A]	
CPC CLASSIFICATION:	C09D0011-34; C09B0069-00		
JAP. PATENT CLASSIF.:	C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B; C09D0011-00		
FTERM CLASSIF.:	4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03; 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50; 4J039/BC54; 4J039/BC65		
FIELD AVAILABILITY:	AI; AN; DAV; CHG; CPC; DT; ED; FCL; FTRM; EW; IPC; IPC1; IPCR; PI; PIT; PRAI; XPD		
UPDATE CHANGES:	FTRM C		

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IALLG 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB
 TITLE: Toner compound and ink compsns.
 - Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INVENTOR(S) :
 STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP;
 BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

PATENT ASSIGNEE(S) :
 STANDARDIZED: XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1539894	A	20041027
DE 602004014834	D1	20080821
EP 1471115	A1	20041027
EP 1471115	B1	20080709
JP 2004323846	A	20041118
JP 4837263B	B2	20111214
US 6790267	B1	20040914
US 20040215022	A1	20041028
US 7592460	B2	20090922

APPLICATION INFO. :

NUMBER	KIND	DATE
CN 2004-10035105	A	20040423
DE 2004-602004014834	A	20040421
EP 2004-9421	A	20040421
JP 2004-121232	A	20040416
US 2003-422897	A	20030424
US 2004-854581	A	20040525

PRIORITY APPL. INFO. :

NUMBER	KIND	DATE
US 2003-422897	A	20030424 (USA, 20080710, Y)
US 2004-854581	A	20040525 (USA, 20091001, N)
US 2003-422897	A	20030424 (USA3, 20080710, Y)

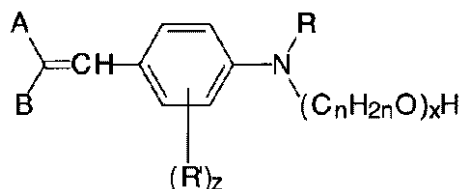
CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 - 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

INT. PATENT CLASSIF. :
 MAIN: C09D0017-00; C09B0069-00; C09B0023-00; C09D0011-02; C07F0009-02
 SECONDARY: C09D0011-00; C09D0011-02; C09B0069-10; C09D0011-12; C09D0011-14; C07D0213-54

IPC ORIGINAL : C09B0069-00 [I, A]; C09D0011-02 [I, A];
 C09B0023-00 [I, A]; C07D0211-88 [I, A];

C09B0069-10 [I, A]; C09D0011-00 [I, A];
 C07D0211-56 [I, A] IPC RECLASSIFIED :
 C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]
 CPC CLASSIFICATION: C09D0011-34; C09B0069-00
 USCLASS NCLM: 106/031.290; 546/329.000; 546/215.000
 USCLASS NCLS: 106/031.300; 106/031.430; 106/031.610; 106/031.620;
 106/031.750; 347/100.000; 546/330.000; 558/190.000;
 558/408.000; 564/440.000; 564/441.000; 564/443.000
 USCLASS INCLM: 106/031.290; 546/329.000; 546/215.000
 INCLS: 106/031.610; 106/031.430; 106/031.750; 106/031.300;
 106/031.620; 347/100.000; 546/330.000; 558/190.000;
 558/408.000; 564/440.000; 564/441.000; 564/443.000
 JAP. PATENT CLASSIF. : C07D0211-88; C09B0023-00 L; C09B0023-00 L (CSP);
 C09B0069-10 B; C09D0011-00
 FTERM CLASSIF. : 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24;
 4C054/EE05; 4C054/EE16; 4C054/EE31; 4C054/FF04;
 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04;
 4J039/BC03; 4J039/BC07; 4J039/BC12; 4J039/BC16;
 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
 4J039/BC54; 4J039/BC65

ABSTRACT: (US 6790267 B1)
 Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.



JP2004323846A

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BIB 表示形式

AN 13532670 INPAFAMDB UPFB 20140612 UWF 201424
TI Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
- Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
- COLORANT COMPOSITION.
- Colorant compositions.
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PAS XEROX CORP, JP
- XEROX CORP, US
- XEROX CORP
PI CN 1539894 A 20041027
DE 602004014834 D1 20080821
EP 1471115 A1 20041027
EP 1471115 B1 20080709
JP 2004323846 A 20041118
JP 4837263B B2 20111214
US 6790267 B1 20040914
US 20040215022 A1 20041028
US 7592460 B2 20090922
AI CN 2004-10035105 A 20040423
DE 2004-602004014834 A 20040421
EP 2004-9421 A 20040421
JP 2004-121232 A 20040416
US 2003-422897 A 20030424
US 2004-854581 A 20040525
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BIB. M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J. H. BANING; D. R. TIETLINTON; C. R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application

MEMBER 2

AN 13532670 INPAFAMDB ED 20080821 EW 200834 UW 201215
DN 56887127
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
TL German
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORP.
PAS XEROX CORP, US
DT Patent
PI DE 602004014834 D1 20080821
PIT DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]
DAV 20080821 gazette-pub-announcement
STA GRANTED
AI DE 2004-602004014834 A 20040421
AIT DEA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240421

MEMBER 3

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DAV 20041027 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS R: DE FR GB
 AI EP 2004-9421 A 20040421
 AIT EPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAIT USA Patent application
 REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20120412 UW 201215
 DN 24162311
 TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 Methine dyes with a polyoxyalkylene moiety and inks containing them.
 Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.

TL German; English; French
 IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
 INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
 PA XEROX CORPORATION
 PAS XEROX CORP, US
 DT Patent
 PI EP 1471115 B1 20080709 English
 PIT EPB1 PATENT SPECIFICATION
 DAV 20080709 printed-with-grant
 STA GRANTED
 DS R: DE FR GB
 AI EP 2004-9421 A 20040421
 AIT EPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAIT USA Patent application
 XPD 20240421

 MEMBER 4

AN 13532670 INPAFAMDB UP 20140612 UW 201424
 DN 46140936
 TI COLORANT COMPOSITION.
 TL English
 IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
 PA XEROX CORP
 PAS XEROX CORP
 DT Patent
 PI JP 2004323846 A 20041118
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]
 DAV 20041118 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2004-121232 A 20040416
 AIT JPA Patent application
 PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
 PRAIT USA Patent application
 REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
 DN 46140936
 DT Patent
 PI JP 4837263B B2 20111214
 PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716 ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301 ONWARDS]

DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240416

MEMBER 5

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20230424
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
PNC.G 11. THERE ARE 11 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.

MEMBER 6

AN 13532670 INPAFAMDB UP 20120412 UW 201215
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-854581 A 20040525
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAIT USA Patent application
USA3 Prior application claimed for a division

AN 13532670 INPAFAMDB ED 20091001 EW 200940 UW 201215
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION

PAS XEROX CORP, US
DT Patent
PI US 7592460 B2 20090922 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]
DAV 20090922 printed-with-grant
STA GRANTED
AI US 2004-854581 A 20040525
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA, 20091001, N)
US 2003-422897 A 20030424 (USA3, 20080710, Y)
PRAIT USA Patent application
USA3 Prior application claimed for a division
XPD 20230424
REC 60. THERE ARE 60 CITED REFERENCES (50 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BIB. P 表示形式

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240416

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BIB. U 表示形式

AN 13532670 INPAFAMDB UP 20140612 UW 201424
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
REC 7. THERE ARE 7 CITED REFERENCES (7 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

AN 13532670 INPAFAMDB ED 20120120 EW 201203 UP 20140612 UW 201424
DN 46140936
DT Patent
PI JP 4837263B B2 20111214
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20111214 printed-with-grant
STA GRANTED
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710, Y)
PRAIT USA Patent application
XPD 20240416

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BIBLS 表示形式

MEMBER 1

AN 46063904 INPAFAMDB ED 20140501 EW 201418 UP 20140501 UW 201418
DN 76624127
TI VORRICHTUNG, SYSTEM UND VERFAHREN MIT EINEM MIKROGEMUSTERTEN
ZELLENBEHANDLUNGSARRAY.
DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED CELL TREATMENT
ARRAY.
DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE TRAITEMENT DE
CELLULE A MICRO-MOTIFS.
TL German; English; French
IN HYDE, RODERICK A.; WOOD, JR., LOWELL L.
INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
PA SEARETE LLC
PAS SEARETE LLC, US
DT Patent
PI EP 2723757 A1 20140430 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20140430 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
AI EP 2012-803372 A 20120621
AIT EPA Patent application
PRAI US 2011-13135130 A 20110624 (USA, 20130110, Y)
US 2011-13200496 A 20110923 (USA, 20130110, N)
WO 2012-US43560 W 20120621 (WOWW, 20140501, N)
PRAIT USA Patent application
WOWW Additional PCT application

LEGAL STATUS

AN 46063904 INPAFAMDB
20140430 EPAK + DESIGNATED CONTRACTING STATES:
EP A1
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS
IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
..... 20140508
20140430 EP17P + REQUEST FOR EXAMINATION FILED
20140120
EXA Examination, Search Report
..... 20140508

MEMBER 2

AN 46063904 INPAFAMDB ED 20130110 EW 201302 UP 20140306 UW 201410
DN 71445511
TI Device, system, and method including micro-patterned cell treatment
array.
TL English
IN HYDE RODERICK A.; WOOD, JR. LOWELL L.
INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
PA HYDE RODERICK A.; WOOD, JR. LOWELL L.
PAS HYDE RODERICK A, US; WOOD JR LOWELL L, US
DT Patent
PI US 20120330281 A1 20121227 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20121227 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2011-13135130 A 20110624
AIT USA Patent application
PRAI US 2011-13135130 A 20110624 (USA, 20130110, Y)

PRAIT USA Patent application

AN 46063904 INPAFAMDB ED 20140626 EW 201426 UP 20140626 UW 201426
DN 71445511
TI Device, system, and method including micro-patterned cell treatment array.
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PAS HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION SCIENCE FUND I LLC, US
DT Patent
PI US 8753309 B2 20140617 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]
DAV 20140617 printed-with-grant
STA GRANTED
AI US 2011-13135130 A 20110624
AIT USA Patent application
PRAI US 2011-13135130 A 20110624 (USA, 20130110, Y)
PRAIT USA Patent application
XPD 20310624

LEGAL STATUS

AN 46063904 INPAFAMDB
20110920 USAS ASSIGNMENT
SEARETE LLC, WASHINGTON
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:HYDE, RODERICK A. ;WOOD, LOWELL L., JR. ;SIGNING DATES FROM 20110813 TO 20110912;REEL/FRAME:026935/0665
CHG Change of Owner, Inventor, Applicant
..... 20130110
20140502 USAS ASSIGNMENT
THE INVENTION SCIENCE FUND I, LLC, WASHINGTON
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEARETE LLC;REEL/FRAME:032808/0936
20140501
CHG Change of Owner, Inventor, Applicant
..... 20140522

MEMBER 3

AN 46063904 INPAFAMDB ED 20130110 EW 201302 UP 20140306 UW 201410
DN 71445504
TI Device, system, and method including micro-patterned cell treatment array.
TL English
IN HYDE RODERICK A. ; WOOD, JR. LOWELL L.
INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
PA HYDE RODERICK A. ; WOOD, JR. LOWELL L. ; SEARETE LLC, A LIMITED LIABILITY CORPORATION OF THE STATE OF DELAWARE
PAS HYDE RODERICK A, US; WOOD JR LOWELL L, US; SEARETE LLC
DT Patent
PI US 20120330274 A1 20121227 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20121227 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2011-13200496 A 20110923
AIT USA Patent application
PRAI US 2011-13200496 A 20110923 (USA, 20130110, N)
US 2011-13135130 A 20110624 (USA1, 20130110, Y)
PRAIT USA Patent application
USA1 Prior application claimed for continuation

AN 46063904 INPAFAMDB ED 20140619 EW 201425 UP 20140619 UW 201425
 DN 71445504
 TI Device, system, and method including micro-patterned cell treatment array.
 TL English
 IN HYDE RODERICK A.; WOOD, JR. LOWELL L.
 INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
 PA HYDE RODERICK A.; WOOD, JR. LOWELL L.; THE INVENTION SCIENCE FUND I, LLC
 PAS HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION SCIENCE FUND I LLC, US
 DT Patent
 PI US 8747347 B2 20140610 English
 PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]
 DAV 20140610 printed-with-grant
 STA GRANTED
 AI US 2011-13200496 A 20110923
 AIT USA Patent application
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 US 2011-13135130 A 20110624 (USA1, 20130110, Y)
 PRAIT USA Patent application
 USA1 Prior application claimed for continuation
 XPD 20310624

LEGAL STATUS

AN 46063904 INPAFAMDB
 20140429 USAS ASSIGNMENT
 THE INVENTION SCIENCE FUND I, LLC, WASHINGTON
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEARETE
 LLC;REEL/FRAME:032777/0193
 20140429
 CHG Change of Owner, Inventor, Applicant
 20140515

MEMBER 4

AN 46063904 INPAFAMDB ED 20130110 EW 201302 UW 201407
 DN 71458039
 TI DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED CELL TREATMENT ARRAY.
 DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE TRAITEMENT DE CELLULE A MICRO-MOTIFS.
 TL English; French
 IN HYDE, RODERICK A.; WOOD, JR., LOWELL L.
 INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
 PA SEARETE LLC; HYDE, RODERICK A.; WOOD, JR., LOWELL L.
 PAS SEARETE LLC, US; HYDE RODERICK A, US; WOOD JR LOWELL L, US
 DT Patent
 PI WO 2012177887 A1 20121227
 PIT WOA1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH REPORT
 FDT WOx With international search report;
 WOc Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
 DAV 20121227 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS W: AE AG AL AM AO AT AU AZ BA BB BG BH BR BW BY BZ CA CH CL CN
 CO CR CU CZ DE DK DM DO DZ EC EE EG ES FI GB GD GE GH GM GT
 HN HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LA LC LK LR LS
 LT LU LY MA MD ME MG MK MN MW MX MY MZ NA NG NI NO NZ OM PE
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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
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 RW (EPO): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2012-US43560 W 20120621 English
AIT WOW International application Number
PRAI US 2011-13135130 A 20110624 (USA, 20130110, Y)
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LEGAL STATUS

AN 46063904 INPAFAMDB
20130220 W0121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION
EP 12803372 A1
.....20130221

3 priorities, 4 applications, 6 publications (1 EPO simple family)

BIBLS. M 表示形式

MEMBER 1

AN 46063904 INPAFAMDB ED 20140501 EW 201418 UP 20140501 UW 201418
DN 76624127
TI VORRICHTUNG, SYSTEM UND VERFAHREN MIT EINEM MIKROGEMUSTERTEN
ZELLENBEHANDLUNGSARRAY.
DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED CELL TREATMENT
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DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE TRAITEMENT DE
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TL German; English; French
IN HYDE, RODERICK A.; WOOD, JR., LOWELL L.
INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
PA SEARETE LLC
PAS SEARETE LLC, US
DT Patent
PI EP 2723757 A1 20140430 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20140430 examined-printed-without-grant
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DS R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
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AI US 2011-13135130 A 20110624
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20110920 USAS ASSIGNMENT
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CORPORATION OF THE STATE OF DELAWARE
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AIT USA Patent application
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PRAIT USA Patent application
USA1 Prior application claimed for continuation

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 AIT USA Patent application
 PRAI US 2011-13200496 A 20110923 (USA, 20130110, N)
 US 2011-13135130 A 20110624 (USA1, 20130110, Y)
 PRAIT USA Patent application
 USA1 Prior application claimed for continuation
 XPD 20310624

LEGAL STATUS

AN 46063904 INPAFAMDB
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 THE INVENTION SCIENCE FUND I, LLC, WASHINGTON
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEARETE
 LLC;REEL/FRAME:032777/0193
 20140429
 CHG Change of Owner, Inventor, Applicant
 20140515

MEMBER 4

AN 46063904 INPAFAMDB ED 20130110 EW 201302 UW 201407
 DN 71458039
 TI DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED CELL TREATMENT ARRAY.
 DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE TRAITEMENT DE CELLULE A MICRO-MOTIFS.
 TL English; French
 IN HYDE, RODERICK A.; WOOD, JR., LOWELL L.
 INS HYDE RODERICK A, US; WOOD JR LOWELL L, US
 PA SEARETE LLC; HYDE, RODERICK A.; WOOD, JR., LOWELL L.
 PAS SEARETE LLC, US; HYDE RODERICK A, US; WOOD JR LOWELL L, US
 DT Patent
 PI WO 2012177887 A1 20121227
 PIT WOA1 INTERNATIONAL APPLICATION PUBLISHED WITH INTERNATIONAL SEARCH REPORT
 FDT WOx With international search report;
 WOc Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
 DAV 20121227 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS W: AE AG AL AM AO AT AU AZ BA BB BG BH BR BW BY BZ CA CH CL CN
 CO CR CU CZ DE DK DM DO DZ EC EE EG ES FI GB GD GE GH GM GT
 HN HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LA LC LK LR LS
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 PG PH PL PT QA RO RS RU RW SC SD SE SG SK SL SM ST SV SY TH
 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW
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 RW (EAPO): AM AZ BY KG KZ RU TJ TM
 RW (EPO): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
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RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2012-US43560 W 20120621 English
AIT WOW International application Number
PRAI US 2011-13135130 A 20110624 (USA, 20130110, Y)
US 2011-13200496 A 20110923 (USA, 20130110, N)
PRAIT USA Patent application

LEGAL STATUS

AN 46063904 INPAFAMDB
20130220 W0121 EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS
DESIGNATED IN THIS APPLICATION
EP 12803372 A1
.....20130221

3 priorities, 4 applications, 6 publications (1 EPO simple family)

IBIB 表示形式

ACCESSION NUMBER: 46063904 INPAFAMDB
TITLE: VORRICHTUNG, SYSTEM UND VERFAHREN MIT EINEM
MIKROGEMUSTERTEN ZELLENBEHANDLUNGSARRAY.
- DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED
CELL TREATMENT ARRAY.
- DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE
TRAITEMENT DE CELLULE A MICRO-MOTIFS.

INVENTOR(S) :
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US

PATENT ASSIGNEE(S) :
STANDARDIZED: SEARETE LLC, US
- HYDE RODERICK A, US
- WOOD JR LOWELL L, US
- INVENTION SCIENCE FUND I LLC, US
- SEARETE LLC

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 2723757	A1	20140430
US 20120330281	A1	20121227
US 8753309	B2	20140617
US 20120330274	A1	20121227
US 8747347	B2	20140610
WO 2012177887	A1	20121227

APPLICATION INFO. :

NUMBER	KIND	DATE
EP 2012-803372	A	20120621
US 2011-13135130	A	20110624
US 2011-13200496	A	20110923
WO 2012-US43560	W	20120621

PRIORITY APPL. INFO. :

NUMBER	KIND	DATE
US 2011-13135130	A	20110624 (USA, 20130110, Y)
US 2011-13200496	A	20110923 (USA, 20130110, N)
WO 2012-US43560	W	20120621 (WOWW, 20140501, N)
US 2011-13135130	A	20110624 (USA1, 20130110, Y)

CITED REFERENCE COUNT: 2. THERE ARE 2 CITED REFERENCES (2 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.
- 55. THERE ARE 55 CITED REFERENCES (17 PATENT, 38 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.
- 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

3 priorities, 4 applications, 6 publications (1 EPO simple family)

IBIB.M 表示形式

MEMBER 1

ACCESSION NUMBER: 46063904 INPAFAMDB
 ED 20140501 EW 201418 UP 20140501 UW 201418

DOCUMENT NUMBER: 76624127

TITLE: VORRICHTUNG, SYSTEM UND VERFAHREN MIT EINEM
 MIKROGEMUSTERTEN ZELLENBEHANDLUNGSARRAY.
 DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED
 CELL TREATMENT ARRAY.
 DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE
 TRAITEMENT DE CELLULE A MICRO-MOTIFS.

TITLE LANGUAGE: German; English; French

INVENTOR(S):
 NON-STANDARD.: HYDE, RODERICK A.; WOOD, JR., LOWELL L.
 STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US

PATENT ASSIGNEE(S):
 NON-STANDARD.: SEARETE LLC
 STANDARDIZED: SEARETE LLC, US

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 2723757	A1	20140430 English

PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DATE OF AVAILABILITY: 20140430 examined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

DESIGNATED STATES:
 R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE
 IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK
 SM TR

APPLICATION INFO.: EP 2012-803372 A 20120621

APPL. INFO. TYPE: EPA Patent application

PRIORITY APPL. INFO.: US 2011-13135130 A 20110624 (USA, 20130110, Y)
 US 2011-13200496 A 20110923 (USA, 20130110, N)
 WO 2012-US43560 W 20120621 (WOWW, 20140501, N)

PRIO. APPL. INFO. TYPE: USA Patent application
 WOWW Additional PCT application

MEMBER 2

ACCESSION NUMBER: 46063904 INPAFAMDB
 ED 20130110 EW 201302 UP 20140306 UW 201410

DOCUMENT NUMBER: 71445511

TITLE: Device, system, and method including micro-patterned
 cell treatment array.

TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.
 STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US

PATENT ASSIGNEE(S):
 NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.
 STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US

PATENT INFORMATION:

NUMBER	KIND	DATE
US 20120330281	A1	20121227 English

PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
 ONWARDS]

DATE OF AVAILABILITY: 20121227 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: US 2011-13135130 A 20110624

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO. : US 2011-13135130 A 20110624 (USA, 20130110, Y)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 2. THERE ARE 2 CITED REFERENCES (2 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

ACCESSION NUMBER: 46063904 INPAFAMDB
ED 20140626 EW 201426 UP 20140626 UW 201426
DOCUMENT NUMBER: 71445511
TITLE: Device, system, and method including micro-patterned
cell treatment array.
TITLE LANGUAGE: English
INVENTOR(S) :
NON-STANDARD. : HYDE RODERICK A. ; WOOD, JR. LOWELL L.
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US
PATENT ASSIGNEE(S) :
NON-STANDARD. : HYDE RODERICK A. ; WOOD, JR. LOWELL L. ; THE INVENTION
SCIENCE FUND I, LLC
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION
SCIENCE FUND I LLC, US

PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 8753309	B2	20140617 English
PATENT INFO. TYPE:	USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20140617 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO. :	US 2011-13135130	A	20110624
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO. :	US 2011-13135130	A	20110624 (USA, 20130110, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CALC. EXPIR. DATE:	20310624		
CITED REFERENCE COUNT:	55. THERE ARE 55 CITED REFERENCES (17 PATENT, 38 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.		

MEMBER 3

ACCESSION NUMBER: 46063904 INPAFAMDB
ED 20130110 EW 201302 UP 20140306 UW 201410
DOCUMENT NUMBER: 71445504
TITLE: Device, system, and method including micro-patterned
cell treatment array.
TITLE LANGUAGE: English
INVENTOR(S) :
NON-STANDARD. : HYDE RODERICK A. ; WOOD, JR. LOWELL L.
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PATENT ASSIGNEE(S) :
NON-STANDARD. : HYDE RODERICK A. ; WOOD, JR. LOWELL L. ; SEARETE LLC, A
LIMITED LIABILITY CORPORATION OF THE STATE OF DELAWARE
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PATENT INFORMATION:

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	US 20120330274	A1	20121227 English
PATENT INFO. TYPE:	USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20121227 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO. :	US 2011-13200496	A	20110923
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO. :	US 2011-13200496	A	20110923 (USA, 20130110, N)
PRIO. APPL. INFO. TYPE:	US 2011-13135130	A	20110624 (USA1, 20130110, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		

CITED REFERENCE COUNT: USA1 Prior application claimed for continuation
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TITLE: Device, system, and method including micro-patterned
cell treatment array.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US
PATENT ASSIGNEE(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.; THE INVENTION
SCIENCE FUND I, LLC
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION
SCIENCE FUND I LLC, US

PATENT INFORMATION:

NUMBER	KIND	DATE
US 8747347	B2	20140610 English

PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
AS SECOND PUBLICATION [FROM 2001 ONWARDS]
DATE OF AVAILABILITY: 20140610 printed-with-grant
PATENT STATUS: GRANTED
APPLICATION INFO.: US 2011-13200496 A 20110923
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2011-13200496 A 20110923 (USA, 20130110, N)
US 2011-13135130 A 20110624 (USA1, 20130110, Y)
PRIO. APPL. INFO. TYPE: USA Patent application
USA1 Prior application claimed for continuation
CALC. EXPIR. DATE: 20310624
CITED REFERENCE COUNT: 55. THERE ARE 55 CITED REFERENCES (17 PATENT, 38 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

MEMBER 4

ACCESSION NUMBER: 46063904 INPAFAMDB
ED 20130110 EW 201302 UW 201407
DOCUMENT NUMBER: 71458039
TITLE: DEVICE, SYSTEM, AND METHOD INCLUDING MICRO-PATTERNED
CELL TREATMENT ARRAY.
DISPOSITIF, SYSTEME ET PROCEDE COMPRENANT UN RESEAU DE
TRAITEMENT DE CELLULE A MICRO-MOTIFS.
TITLE LANGUAGE: English; French
INVENTOR(S):
NON-STANDARD.: HYDE, RODERICK A.; WOOD, JR., LOWELL L.
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US
PATENT ASSIGNEE(S):
NON-STANDARD.: SEARETE LLC; HYDE, RODERICK A.; WOOD, JR., LOWELL L.
STANDARDIZED: SEARETE LLC, US; HYDE RODERICK A, US; WOOD JR LOWELL
L, US

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2012177887	A1	20121227

PATENT INFO. TYPE: WO1 INTERNATIONAL APPLICATION PUBLISHED WITH
INTERNATIONAL SEARCH REPORT
FILING DETAILS: WOx With international search report;
WOc Before the expiration of the time limit for
amending the claims and to be republished in the
event of receipt of amendments

DATE OF AVAILABILITY: 20121227 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
W: AE AG AL AM AO AT AU AZ BA BB BG BH BR BW BY BZ CA CH
CL CN CO CR CU CZ DE DK DM DO DZ EC EE EG ES FI GB GD
GE GH GM GT HN HR HU ID IL IN IS JP KE KG KM KN KP KR
KZ LA LC LK LR LS LT LU LY MA MD ME MG MK MN MW MX MY
MZ NA NG NI NO NZ OM PE PG PH PL PT QA RO RS RU RW SC
SD SE SG SK SL SM ST SV SY TH TJ TM TN TR TT TZ UA UG
US UZ VC VN ZA ZM ZW
RW (ARIPO): BW GH GM KE LR LS MW MZ NA RW SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ RU TJ TM
RW (EPO): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE
IS IT LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM
TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
APPLICATION INFO.: WO 2012-US43560 W 20120621 English
APPL. INFO. TYPE: WOW International application Number
PRIORITY APPL. INFO.: US 2011-13135130 A 20110624 (USA, 20130110, Y)
US 2011-13200496 A 20110923 (USA, 20130110, N)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

3 priorities, 4 applications, 6 publications (1 EPO simple family)

IBIB.P 表示形式

ACCESSION NUMBER: 46063904 INPAFAMDB
ED 20140626 EW 201426 UP 20140626 UW 201426
DOCUMENT NUMBER: 71445511
TITLE: Device, system, and method including micro-patterned
cell treatment array.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US
PATENT ASSIGNEE(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.; THE INVENTION
SCIENCE FUND I, LLC
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION
SCIENCE FUND I LLC, US

PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 8753309	B2	20140617 English
PATENT INFO. TYPE:	USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20140617 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	US 2011-13135130	A	20110624
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2011-13135130	A	20110624 (USA, 20130110, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CALC. EXPIR. DATE:	20310624		
CITED REFERENCE COUNT:	55. THERE ARE 55 CITED REFERENCES (17 PATENT, 38 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.		

3 priorities, 4 applications, 6 publications (1 EPO simple family)

IBIB.U 表示形式

ACCESSION NUMBER: 46063904 INPAFAMDB
ED 20140626 EW 201426 UP 20140626 UW 201426
DOCUMENT NUMBER: 71445511
TITLE: Device, system, and method including micro-patterned
cell treatment array.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US
PATENT ASSIGNEE(S):
NON-STANDARD.: HYDE RODERICK A.; WOOD, JR. LOWELL L.; THE INVENTION
SCIENCE FUND I, LLC
STANDARDIZED: HYDE RODERICK A, US; WOOD JR LOWELL L, US; INVENTION
SCIENCE FUND I LLC, US

PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 8753309	B2	20140617 English
PATENT INFO. TYPE:	USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20140617 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	US 2011-13135130	A	20110624
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2011-13135130	A	20110624 (USA, 20130110, Y)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CALC. EXPIR. DATE:	20310624		
CITED REFERENCE COUNT:	55. THERE ARE 55 CITED REFERENCES (17 PATENT, 38 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.		

3 priorities, 4 applications, 6 publications (1 EPO simple family)

BRIEF 表示形式 (デフォルトの表示形式)

AN 42694215 INPAFAMDB EDF 20110929 EWF 201139 UPFB 20140814 UWF 201433
 TI MOBILE COMMUNICATION METHOD AND RELAY NODE.
 INS TAKAHASHI HIDEAKI, JP; HAPSARI WURI ANDARMAWANTI, JP; UMESH ANIL, JP;
 IWAMURA MIKIO, JP; ISHII MINAMI, JP; HIDEAKI TAKAHASHI; ANDARMAWANTI
 HAPSARI WURI; ANIL UMESH; MIKIO IWAMURA; MINAMI ISHII; TAKAHASHI HIDEAKI;
 HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO; ISHII MINAMI
 PAS NTT DOCOMO INC, JP
 - NTT DOCOMO INC
 - HIDEAKI TAKAHASHI, JP
 - HAPSARI WURI ANDARMAWANTI, JP
 - UMESH ANIL, JP
 - IWAMURA MIKIO, JP
 - ISHII MINAMI, JP
 IPCI H04W0016-26 [I, A]; H04W0028-04 [I, A]; H04L0001-18 [I, A];
 H04W0088-04 [I, A]
 CPC H04W0088-04; H04B0007-155; H04L0001-1812; H04L0001-1861; H04L0001-1893;
 H04L2001-0097; H04W0024-00; H04W0028-04; H04W0028-18; H04W0048-00;
 H04W0076-02; H04W0084-00; H04W0084-047
 INCL INCLM 370/315.000
 FCL H04Q0007-00 231; H04Q0007-00 263; H04W0016-26; H04W0028-04 110
 FTRM 5K067/AA22; 5K067/BB04; 5K067/BB21; 5K067/DD24; 5K067/DD27; 5K067/EE02;
 5K067/EE06; 5K067/EE10; 5K067/FF05; 5K067/GG01; 5K067/HH17; 5K067/HH28
 AB (EP 2547138 A1)
 A relay node RN according to the present invention includes an MBSFN
 subframe setting information acquisition unit 11 configured to acquire
 setting information from a radio base station DeNB in an RRC connection
 setting process with the radio base station DeNB, a reception unit 14
 configured to receive an uplink signal from the mobile station UE in a
 first period, and to receive a downlink signal from the radio base
 station DeNB in an MBSFN subframe based on the acquired setting
 information, and a transmission unit 13 configured to transmit a downlink
 signal to the mobile station UE in a second period, wherein the
 transmission unit 13 and the reception unit 14 are configured such that
 the first period and the second period are alternately switched to be a
 half of RTT of synchronous HARQ control.

PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CA 2793175	A1 20110922	CA 2011-2793175	A 20110315
CN 102804838	A 20121128	CN 2011-80014264	A 20110315
EP 2547138	A1 20130116	EP 2011-756307	A 20110315
EP 2547138	A4 20130710		
JP 2011193246	A 20110929	JP 2010-57871	A 20100315
JP 4814383B	B2 20111116		
KR 2012123715	A 20121109	KR 2012-7024500	A 20110315
RU 2012143374	A 20140420	RU 2012-143374	A 20110315
US 20130128803	A1 20130523	US 2011-13634909	A 20110315
WO 2011115122	A1 20110922	WO 2011-JP56082	W 20110315
+----- Priorities -----+			
JP 2010-57871	A 20100315		
WO 2011-JP56082	W 20110315		

2 priorities, 8 applications, 10 publications (1 EPO simple family)

BRIEFG 表示形式

AN 13532670 INPAFAMDB UPFB 20140612

TI Toner compound and ink compsns.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US;
 TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H;
 TITTERINGTON DONALD R; KING CLIFFORD R

PAS XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A];
 C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A];
 C07D0211-56 [I, A]

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]

CPC C09D0011-34; C09B0069-00

NCL NCLM 106/031.290; 546/329.000; 546/215.000
 NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
 564/441.000; 564/443.000

INCL INCLM 106/031.290; 546/329.000; 546/215.000
 INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
 564/441.000; 564/443.000

FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
 C09D0011-00

FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
 4J039/BC54; 4J039/BC65

AB (US 6790267 B1)
 Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

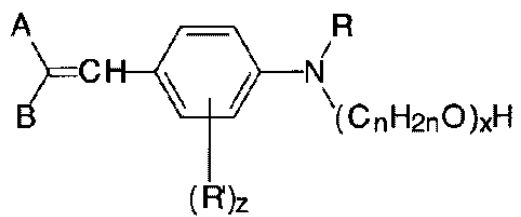
PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CN 1539894	A 20041027	CN 2004-10035105	A 20040423
DE 602004014834	D1 20080821	DE 2004-602004014834	A 20040421
EP 1471115	A1 20041027	EP 2004-9421	A 20040421
EP 1471115	B1 20080709		
JP 2004323846	A 20041118	JP 2004-121232	A 20040416
JP 4837263B	B2 20111214		
US 6790267	B1 20040914	US 2003-422897	A 20030424
US 20040215022	A1 20041028	US 2004-854581	A 20040525
US 7592460	B2 20090922		

+----- Priorities -----+

US 2003-422897 A 20030424

US 2004-854581 A 20040525



JP2004323846A

2 priorities, 6 applications, 9 publications (1 EPO simple family)

BRIEFGI 表示形式

AN 13532670 INPAFAMDB UPFB 20140612

TI Toner compound and ink compsns.
 - Methine dyes with a polyoxyalkylene moiety and inks containing them.
 - COLORANT COMPOSITION.
 - Colorant compositions.

INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP; BANNING JEFFERY H, US;
 TITTERINGTON DONALD R, US; KING CLIFFORD R, US; BANNING JEFFERY H;
 TITTERINGTON DONALD R; KING CLIFFORD R

PAS XEROX CORP, JP
 - XEROX CORP, US
 - XEROX CORP

IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A];
 C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A];
 C07D0211-56 [I, A]

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]

CPC C09D0011-34; C09B0069-00

NCL NCLM 106/031.290; 546/329.000; 546/215.000
 NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
 564/441.000; 564/443.000

INCL INCLM 106/031.290; 546/329.000; 546/215.000
 INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
 347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
 564/441.000; 564/443.000

FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
 C09D0011-00

FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
 4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
 4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
 4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
 4J039/BC54; 4J039/BC65

AB (US 6790267 B1)
 Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

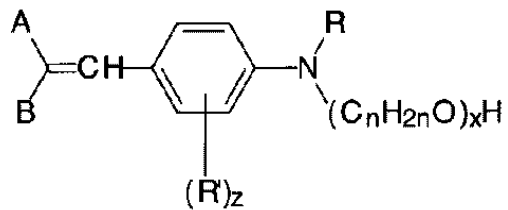
PATENT FAMILY INFORMATION INPAFAMDB

+----- Publications -----+		+----- Applications -----+
CN 1539894	A 20041027	CN 2004-10035105 A 20040423
DE 602004014834	D1 20080821	DE 2004-602004014834 A 20040421
EP 1471115	A1 20041027	EP 2004-9421 A 20040421
EP 1471115	B1 20080709	
JP 2004323846	A 20041118	JP 2004-121232 A 20040416
JP 4837263B	B2 20111214	
US 6790267	B1 20040914	US 2003-422897 A 20030424
US 20040215022	A1 20041028	US 2004-854581 A 20040525
US 7592460	B2 20090922	

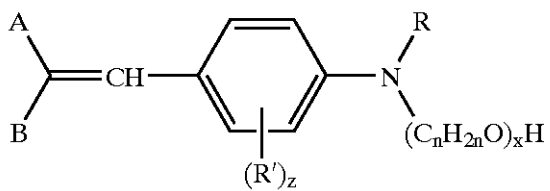
+----- Priorities -----+

US 2003-422897 A 20030424

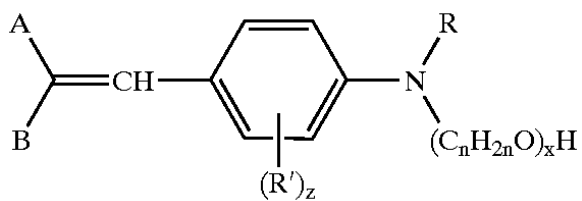
US 2004-854581 A 20040525



JP2004323846A



US6790267B1



US2004215022A1

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IND 表示形式

ICM C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02
ICS C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0023-00 [I, A];
C07D0211-88 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A];
C07D0211-56 [I, A]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
GPC C09D0011-34; C09B0069-00
NCL NCLM 106/031.290; 546/329.000; 546/215.000
NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
564/441.000; 564/443.000
INCL INCLM 106/031.290; 546/329.000; 546/215.000
INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
347/100.000; 546/330.000; 558/190.000; 558/408.000; 564/440.000;
564/441.000; 564/443.000
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

IND. M 表示形式

MEMBER 1

IC. V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
GPC C09D0011-34; C09B0069-00

MEMBER 2

IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00

MEMBER 3

IC. V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
GPC C09D0011-34; C09B0069-00
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00

MEMBER 4

IC. V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
IPCI C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

MEMBER 5

IC. V 7
ICM C09D011-02
ICS C09D011-12; C09D011-14

IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 106/031.290
NCLS 106/031.300; 106/031.430; 106/031.610; 106/031.620; 106/031.750;
347/100.000
INCL INCLM 106/031.290
INCLS 106/031.610; 106/031.430; 106/031.750; 106/031.300; 106/031.620;
347/100.000

MEMBER 6

IC.V 7
ICM C07F009-02
ICS C07D213-54
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 546/329.000
NCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
INCL INCLM 546/329.000
INCLS 546/330.000; 558/190.000; 558/408.000; 564/440.000; 564/441.000;
564/443.000
IPC1 C07D0211-56 [I, A]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
NCL NCLM 546/215.000
INCL INCLM 546/215.000

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IND. P 表示形式

IPCI C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

2 priorities, 6 applications, 9 publications (1 EPO simple family)

IND. U 表示形式

IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65
IPCI C09B0023-00 [I, A]; C07D0211-88 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
IPCR C09B0069-00 [I, A]
CPC C09D0011-34; C09B0069-00
FCL C07D0211-88; C09B0023-00 L; C09B0023-00 L (GSP); C09B0069-10 B;
C09D0011-00
FTRM 4C054/AA02; 4C054/CC02; 4C054/DD23; 4C054/DD24; 4C054/EE05; 4C054/EE16;
4C054/EE31; 4C054/FF04; 4H056/CA01; 4H056/CC02; 4H056/CC08; 4H056/CE03;
4H056/DD04; 4H056/DD29; 4J039/AD13; 4J039/AE04; 4J039/BC03; 4J039/BC07;
4J039/BC12; 4J039/BC16; 4J039/BC17; 4J039/BC32; 4J039/BC33; 4J039/BC50;
4J039/BC54; 4J039/BC65

2 priorities, 6 applications, 9 publications (1 EPO simple family)

LS 表示形式

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AN 35476683 INPAFAMDB
20051104 EPA PRI Patent application
EP 2005-425775 A 20051104
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20061103 CNA APP Patent application
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20061103 USA APP Patent application
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..... 20070705
20070205 USAS ASSIGNMENT
[US 2006-556286 A 20061103]
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129
CHG Change of Owner, Inventor, Applicant
..... 20090219
20070509 EPA1 PUB APPLICATION PUBLISHED WITH SEARCH REPORT
[EP 2005-425775 A1 20051104]
EP 1782988 A1 20070509
..... 20070510
20070509 EPAK + DESIGNATED CONTRACTING STATES:
[EP 2005-425775 A 20051104]
EP A1
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
LT LU LV MC NL PL PT RO SE SI SK TR
..... 20070510
20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
[EP 2005-425775 A 20051104]
AL BA HR MK YU
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20070509 EP17P + REQUEST FOR EXAMINATION FILED
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20070621 USA1 PUB FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
[US 2006-556286 A1 20061103]
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20070719 JPA PUB PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716
ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION
(BASED ON INTERNATIONAL APPLICATION) [FROM 19790726
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[JP 2006-297957 A 20061101]
JP 2007182215 A 20070719
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20070808 CNA PUB UNEXAMINED APPLICATION FOR A PATENT FOR INV.
[CN 2006-10138054 A 20061103]
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20070808 CNC06 + PUBLICATION
[CN 2006-10138054 A 20061103]
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20070828 BRA PUB PATENT APPLICATION
 [BR 2006-4766 A 20061101]
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 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 [EP 2005-425775 A 20051104]
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
 20080118
 20081112 EP18D - DEEMED TO BE WITHDRAWN
 [EP 2005-425775 A 20051104]
 20080520
 NIF Lapses, Expiries, Withdrawals, Refusals
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 [CN 2006-10138054 A 20061103]
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 20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 [JP 2006-297957 A 20061101]
 JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011
 20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 [JP 2006-297957 A 20061101]
 JAPANESE INTERMEDIATE CODE: A131
 20100914
 20120517
 20110223 JPA02 - DECISION OF REFUSAL
 [JP 2006-297957 A 20061101]
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120419
 20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 [CN 2006-10138054 A 20061103]
 NIF Lapses, Expiries, Withdrawals, Refusals
 20110707
 20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL
 PROPERTY LAW
 [BR 2006-4766 A 20061101]
 REFERENTE A 5A ANUIDADE.
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120607
 20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS
 BEEN FURNISHED TO INPI (ACC. ART. 87)
 [BR 2006-4766 A 20061101]
 REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE
 29/05/2012.
 NIF Lapses, Expiries, Withdrawals, Refusals
 20121018

1 priority, 5 applications, 5 publications (1 EPO simple family)

LS2 表示形式

LEGAL STATUS

AN 53431740 INPADOCDB EDPR 20070510 Full-text
 PRD 20051104
 PRK EPA
 PRAIT Patent application
 PRAI EP 2005-425775 A 20051104
 PRI

AN 53431740 INPADOCDB EDP 20070510 Full-text
 AD 20051104
 AK EPA
 AIT Patent application
 AI EP 2005-425775 A 20051104
 APP

AN 53431740 INPADOCDB EDP 20070906 Full-text
 AD 20061101
 AK BRA
 AIT Patent application
 AI BR 2006-4766 A 20061101
 APP

AN 53431740 INPADOCDB EDP 20070823 Full-text
 AD 20061101
 AK JPA
 AIT Patent application
 AI JP 2006-297957 A 20061101
 APP

AN 53431740 INPADOCDB EDP 20071206 Full-text
 AD 20061103
 AK CNA
 AIT Patent application
 AI CN 2006-10138054 A 20061103
 APP

AN 53431740 INPADOCDB EDP 20070705 Full-text
 AD 20061103
 AK USA
 AIT Patent application
 AI US 2006-556286 A 20061103
 APP

AN 53431740 INPADOCDB UPLS 20090219 Full-text
 AI [US 2006-556286 A 20061103]
 LSD 20070205
 LSC USAS
 LSTX ASSIGNMENT
 LSPA MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
 LSFT ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
 MASSIMO;REEL/FRAME:018852/0865
 LSDF 20070129
 LSC2 CHG Change of Owner, Inventor, Applicant

AN 53092256 INPADOCDB ED 20070510 EW 200719 Full-text
 AI [EP 2005-425775 A1 20051104]
 PD 20070509
 PK EPA1
 PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
 PI EP 1782988 A1 20070509
 PUB

AN 53092256 INPADOCDB UPLS 20070510 Full-text
 AI [EP 2005-425775 A 20051104]

LSD 20070509
LSC EPAK
LSCI +
LSTX DESIGNATED CONTRACTING STATES:
LSP1 EP A1
LSDS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL
PL PT RO SE SI SK TR

AN 53092256 INPADOCDB UPLS 20070510 [Full-text](#)
AI [EP 2005-425775 A 20051104]
LSD 20070509
LSC EPAX
LSCI +
LSTX EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
LSDS AL BA HR MK YU

AN 53092256 INPADOCDB UPLS 20070510 [Full-text](#)
AI [EP 2005-425775 A 20051104]
LSD 20070509
LSC EP17P
LSCI +
LSTX REQUEST FOR EXAMINATION FILED
LSDF 20060921
LSC2 EXA Examination, Search Report

AN 55273693 INPADOCDB ED 20070705 EW 200727 [Full-text](#)
AI [US 2006-556286 A1 20061103]
PD 20070621
PK USA1
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
PI US 20070137906 A1 20070621
PUB

AN 55273693 INPADOCDB ED 20070823 EW 200734 [Full-text](#)
AI [JP 2006-297957 A 20061101]
PD 20070719
PK JPA
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
PI JP 2007182215 A 20070719
PUB

AN 55273693 INPADOCDB ED 20071206 EW 200749 [Full-text](#)
AI [CN 2006-10138054 A 20061103]
PD 20070808
PK CNA
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
PI CN 101011932 A 20070808
PUB

AN 55273693 INPADOCDB UPLS 20090514 [Full-text](#)
AI [CN 2006-10138054 A 20061103]
LSD 20070808
LSC CNC06
LSCI +
LSTX PUBLICATION

AN 53092256 INPADOCDB ED 20070906 EW 200736 [Full-text](#)
AI [BR 2006-4766 A 20061101]
PD 20070828
PK BRA
PIT BRA PATENT APPLICATION
PI BR 2006004766 A 20070828
PUB

AN 53092256 INPADOCDB UPLS 20080118 [Full-text](#)

AI [EP 2005-425775 A 20051104]
LSD 20080116
LSC EPAKX
LSCI +
LSTX PAYMENT OF DESIGNATION FEES
LSDS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL
PL PT RO SE SI SK TR

AN 53092256 INPADOCDB UPLS 20081113 Full-text
AI [EP 2005-425775 A 20051104]
LSD 20081112
LSC EP18D
LSCI -
LSTX DEEMED TO BE WITHDRAWN
LSDF 20080520
LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

AN 55273693 INPADOCDB UPLS 20090611 Full-text
AI [CN 2006-10138054 A 20061103]
LSD 20081224
LSC CNC10
LSTX REQUEST OF EXAMINATION AS TO SUBSTANCE
LSC2 EXA Examination, Search Report

AN 54222571 INPADOCDB UPLS 20121011 Full-text
AI [JP 2006-297957 A 20061101]
LSD 20091024
LSC JPA621
LSCI +
LSTX WRITTEN REQUEST FOR APPLICATION EXAMINATION
LSFT JAPANESE INTERMEDIATE CODE: A621
LSDF 20091023
LSC2 EXA Examination, Search Report

AN 54222571 INPADOCDB UPLS 20120517 Full-text
AI [JP 2006-297957 A 20061101]
LSD 20100915
LSC JPA131
LSCI -
LSTX NOTIFICATION OF REASONS FOR REFUSAL
LSFT JAPANESE INTERMEDIATE CODE: A131
LSDF 20100914

AN 54222571 INPADOCDB UPLS 20120419 Full-text
AI [JP 2006-297957 A 20061101]
LSD 20110223
LSC JPA02
LSCI -
LSTX DECISION OF REFUSAL
LSFT JAPANESE INTERMEDIATE CODE: A02
LSDF 20110222
LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

AN 55273693 INPADOCDB UPLS 20110707 Full-text
AI [CN 2006-10138054 A 20061103]
LSD 20110413
LSC CNC02
LSCI -
LSTX DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW
2001)
LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

AN 54747132 INPADOCDB UPLS 20120607 Full-text
AI [BR 2006-4766 A 20061101]
LSD 20120529
LSC BRB08F
LSCI -

LSTX APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW
LSFT REFERENTE A 5A ANUIDADE.
LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

AN 54747132 INPADOCDB UPLS 20121018 Full-text

AI [BR 2006-4766 A 20061101]

LSD 20121016

LSC BRB08K

LSCI -

LSTX LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO
INPI (ACC. ART. 87)

LSFT REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.

LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

1 priority, 5 applications, 5 publications (1 EPO simple family)

LSUP 表示形式

LEGAL STATUS UPDATE

AN 35476683 INPAFAMDB

20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS
BEEN FURNISHED TO INPI (ACC. ART. 87)
[BR 2006-4766 A 20061101]
REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE
29/05/2012.

NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

1 priority, 5 applications, 5 publications (1 EPO simple family)

MAX 表示形式

MEMBER 1

AN 35476683 INPAFAMDB ED 20070906 EW 200736 UW 201244
DN 54747132
SFN 36096314
TI veiculo de acionamento hibrido.
TL Portuguese
IN MASSIMO SEMINARA; MARCO RAIMONDI
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA, IT
DT Patent
PI BR 2006004766 A 20070828
PIT BRA PATENT APPLICATION
DAV 20070828 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI BR 2006-4766 A 20061101
AIT BRA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
ABOL VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.
AL Portuguese
AS national office
FA ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607
20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

MEMBER 2

AN 35476683 INPAFAMDB ED 20071206 EW 200749 UW 201244
DN 55273693
SFN 36096314
TI Hybrid-drive vehicle.
TL English

IN SEMINARA MASSIMO, RAIMONDI MARCO
 INS MARCO SEMINARA MASSIMO RAIMOND, IT
 PA MAGNETI MARELLI POWERTRAIN SPA
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI CN 101011932 A 20070808
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20070808 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2006-10138054 A 20061103
 AIT CNA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS national office
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070808 CNC06 + PUBLICATION20090514
 20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report20090611
 20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals20110707

MEMBER 3

AN 35476683 INPAFAMDB ED 20070510 EW 200719 UW 201244
 DN 53092256
 SFN 36096314
 TI Hybrid angetriebenes Fahrzeug.
 Hybrid-drive vehicle.
 Vehicule a traction hybride.
 TL German; English; French
 IN SEMINARA, MASSIMO; RAIMONDI, MARCO
 INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PA MAGNETI MARELLI POWERTRAIN S.P.A.
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI EP 1782988 A1 20070509 English
 PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
 DAV 20070509 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT
 LU LV MC NL PL PT RO SE SI SK TR
 XS R: AL BA HR MK YU
 AI EP 2005-425775 A 20051104

AIT EPA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 REP US 6380640 B1 20020430 (SEA, pat, Cat: X)
 TOYOTA MOTOR CO LTD, JP
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 RENAULT SAS, FR
 IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA, pat, Cat: X)]
 MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO: MICRO VETT SPA
 IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA, pat, Cat: Y)]
 BELTRAME ANTONIO
 WO 2013014510 A1 20130131 [EP1782988A1 (ISR(EP), pat, Cat: X)]
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 UNICO, IT; MICRO VETT SPA, IT; REGIS FABRIZIO, IT
 WO 2014090704 A1 20140619 [EP1782988A1 (ISR(EP), pat, Cat: I)]
 JAGUAR LAND ROVER LTD, GB
 PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR

20081112 EP18D 20080118
- DEEMED TO BE WITHDRAWN
20080520
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20081113

MEMBER 4

AN 35476683 INPAFAMDB ED 20070823 EW 200734 UP 20140227 UW 201409
DN 54222571
SFN 36096314
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA
DT Patent
PI JP 2007182215 A 20070719
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20070719 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2006-297957 A 20061101
AIT JPA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
REP JP 2005117779 A 20050428 (SEA, pat)
AISIN AW CO
JP 2000236602 A 20000829 (EXA, pat)
NISSAN MOTOR
JP 2004123060 A 20040422 (EXA, pat)
FUJI HEAVY IND LTD
JP 06144020 A 19940524 (EXA, pat)
AQUEOUS RES KK
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
CGP JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
PORSCHE AG
PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IPC1 B60K0017-04 [I, A]; B60L0011-14 [I, A]; B60W0010-02 [I, A];
B60W0010-06 [I, A]; B60W0010-08 [I, A]; B60W0020-00 [I, A];
F02N0011-04 [I, A]
IPCR B60K0006-442 [I, A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
FTRM 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23; 3D039/AC24; 3D039/AC32;
3D039/AD02; 3D039/AD53; 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23; 5H115/PC06; 5H115/PG04;
5H115/PI16; 5H115/PI22; 5H115/P017; 5H115/PU01; 5H115/PU22; 5H115/PU24;
5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01; 5H125/AC08; 5H125/AC12;
5H125/BA00; 5H125/BA04; 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
5H125/EE49; 5H125/EE52; 5H125/FF30
AB PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in
efficiency and easily manufacturable at low cost. SOLUTION: This
hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion
engine 5 having a drive shaft 6; a first motor-generator 8 having a first
shaft 7 connected mechanically to the drive shaft 6 of the combustion
engine 5; a second motor-generator 11 having a second shaft 10; and a
power unit 14 connected electrically to the two motor-generators 8, 11
and having a storage device 15. The first shaft 7 of the first
motor-generator 8 is connected at one end to the drive shaft 6 of the
combustion engine 5, and connected at the opposite end to the drive
wheels 3 with a fixed, non-adjustable velocity ratio. COPYRIGHT:
(C) 2007, JPO&INPIT.

AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN; INS; IPC; IPC1;
IPCR; PA; PAS; PI; PIT; PRAI; REP; TI
CHG FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB
20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20091023
EXA Examination, Search Report
.....20121011
20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20100914
.....20120517
20110223 JPA02 - DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20110222
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120419

MEMBER 5

AN 35476683 INPAFAMDB ED 20070705 EW 200727 UW 201244
DN 53431740
SFN 36096314
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PAS SEMINARA MASSIMO; RAIMONDI MARCO
DT Patent
PI US 20070137906 A1 20070621 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20070621 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2006-556286 A 20061103
AIT USA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
CGP JP 2009023646 A 20090205 [US20070137906A1 (EXA, pat)]
PORSCHE AG
US 20110040432 A1 20110217 [US20070137906A1 (PRS, pat)]
ZAHNRADFABRIK FRIEDRICHSHAFEN
US 20110301797 A1 20111208 [US20070137906A1 (PRS, pat)]
JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE; STEUERNAGEL FRANK, DE
US 8688302 B2 20140401 [US20070137906A1 (APP, pat)]
ANDREA MORGAN, US; BOOKS MARTIN T, US; CUMMINS INC, US; DJAN-SAMPSON
PATRICK, US; SUJAN VIVEK ANAND, US
PNC. G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IPC1 B60K0001-00 [I,A]
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
NCL NCLM 180/065.100
INCL INCLM 180/065.100
AB A hybrid-drive vehicle having a pair of drive wheels; a combustion engine having a drive shaft; a first electric motor-generator having a first shaft connected mechanically to the drive shaft of the combustion engine; a second electric motor-generator having a second shaft; and an electric power supply device connected electrically to the two electric motor-generators and having a storage device; the first shaft of the first electric motor-generator is connected at one end to the drive shaft of the combustion engine, and is connected at the opposite end to the

drive wheels with a fixed, non-adjustable velocity ratio.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA;
INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129
CHG Change of Owner, Inventor, Applicant
.....20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

MAX. M 表示形式

MEMBER 1

AN 35476683 INPAFAMDB ED 20070906 EW 200736 UW 201244
DN 54747132
SFN 36096314
TI veiculo de acionamento hibrido.
TL Portuguese
IN MASSIMO SEMINARA; MARCO RAIMONDI
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA, IT
DT Patent
PI BR 2006004766 A 20070828
PIT BRA PATENT APPLICATION
DAV 20070828 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI BR 2006-4766 A 20061101
AIT BRA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
ABOL VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.
AL Portuguese
AS national office
FA ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607
20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

MEMBER 2

AN 35476683 INPAFAMDB ED 20071206 EW 200749 UW 201244
DN 55273693
SFN 36096314
TI Hybrid-drive vehicle.
TL English

IN SEMINARA MASSIMO, RAIMONDI MARCO
 INS MARCO SEMINARA MASSIMO RAIMOND, IT
 PA MAGNETI MARELLI POWERTRAIN SPA
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI CN 101011932 A 20070808
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20070808 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2006-10138054 A 20061103
 AIT CNA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS national office
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070808 CNC06 + PUBLICATION20090514
 20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report20090611
 20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals20110707

MEMBER 3

AN 35476683 INPAFAMDB ED 20070510 EW 200719 UW 201244
 DN 53092256
 SFN 36096314
 TI Hybrid angetriebenes Fahrzeug.
 Hybrid-drive vehicle.
 Vehicule a traction hybride.
 TL German; English; French
 IN SEMINARA, MASSIMO; RAIMONDI, MARCO
 INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PA MAGNETI MARELLI POWERTRAIN S.P.A.
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI EP 1782988 A1 20070509 English
 PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
 DAV 20070509 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT
 LU LV MC NL PL PT RO SE SI SK TR
 XS R: AL BA HR MK YU
 AI EP 2005-425775 A 20051104

AIT EPA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 REP US 6380640 B1 20020430 (SEA, pat, Cat: X)
 TOYOTA MOTOR CO LTD, JP
 US 20040236483 A1 20041125 (SEA, pat, Cat: A)
 TOYOTA MOTOR CO LTD, JP
 FR 2809352 A1 20011130 (SEA, pat, Cat: A)
 RENAULT, FR
 FR 2809058 A1 20011123 (SEA, pat, Cat: A)
 BIEL TIMOTHEE, FR
 US 20030127262 A1 20030710 (SEA, pat, Cat: A)
 US 5818116 A 19981006 (SEA, pat, Cat: A)
 TOYOTA MOTOR CO LTD, JP
 REC 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.
 CGP DE 102006018624 A1 20071025 [EP1782988A1 (SEA, pat)]
 VOLKSWAGEN AG, DE
 EP 2086781 A1 20090812 [EP1782988A1 (SEA, pat, Cat: XP)]
 BYD CO LTD, CN
 FR 2930743 A1 20091106 [EP1782988A1 (SEA, pat, Cat: A)]
 RENAULT SAS, FR
 IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA, pat, Cat: X)]
 MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO: MICRO VETT SPA
 IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA, pat, Cat: Y)]
 BELTRAME ANTONIO
 WO 2013014510 A1 20130131 [EP1782988A1 (ISR(EP), pat, Cat: X)]
 DI GIOIA GAETANO, IT; MECAPROM TECHNOLOGIES CORP ITALIA SRL A SOCIO
 UNICO, IT; MICRO VETT SPA, IT; REGIS FABRIZIO, IT
 WO 2014090704 A1 20140619 [EP1782988A1 (ISR(EP), pat, Cat: I)]
 JAGUAR LAND ROVER LTD, GB
 PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR

20081112 EP18D 20080118
- DEEMED TO BE WITHDRAWN
20080520
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20081113

MEMBER 4

AN 35476683 INPAFAMDB ED 20070823 EW 200734 UP 20140227 UW 201409
DN 54222571
SFN 36096314
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA
DT Patent
PI JP 2007182215 A 20070719
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20070719 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2006-297957 A 20061101
AIT JPA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
REP JP 2005117779 A 20050428 (SEA, pat)
AISIN AW CO
JP 2000236602 A 20000829 (EXA, pat)
NISSAN MOTOR
JP 2004123060 A 20040422 (EXA, pat)
FUJI HEAVY IND LTD
JP 06144020 A 19940524 (EXA, pat)
AQUEOUS RES KK
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
CGP JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
PORSCHE AG
PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IPCI B60K0017-04 [I, A]; B60L0011-14 [I, A]; B60W0010-02 [I, A];
B60W0010-06 [I, A]; B60W0010-08 [I, A]; B60W0020-00 [I, A];
F02N0011-04 [I, A]
IPCR B60K0006-442 [I, A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
FTRM 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23; 3D039/AC24; 3D039/AC32;
3D039/AD02; 3D039/AD53; 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23; 5H115/PC06; 5H115/PG04;
5H115/PI16; 5H115/PI22; 5H115/P017; 5H115/PU01; 5H115/PU22; 5H115/PU24;
5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01; 5H125/AC08; 5H125/AC12;
5H125/BA00; 5H125/BA04; 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
5H125/EE49; 5H125/EE52; 5H125/FF30
AB PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in
efficiency and easily manufacturable at low cost. SOLUTION: This
hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion
engine 5 having a drive shaft 6; a first motor-generator 8 having a first
shaft 7 connected mechanically to the drive shaft 6 of the combustion
engine 5; a second motor-generator 11 having a second shaft 10; and a
power unit 14 connected electrically to the two motor-generators 8, 11
and having a storage device 15. The first shaft 7 of the first
motor-generator 8 is connected at one end to the drive shaft 6 of the
combustion engine 5, and connected at the opposite end to the drive
wheels 3 with a fixed, non-adjustable velocity ratio. COPYRIGHT:
(C) 2007, JPO&INPIT.

AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN; INS; IPC; IPC1;
IPCR; PA; PAS; PI; PIT; PRAI; REP; TI
CHG FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB
20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20091023
EXA Examination, Search Report
.....20121011
20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20100914
.....20120517
20110223 JPA02 - DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20110222
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120419

MEMBER 5

AN 35476683 INPAFAMDB ED 20070705 EW 200727 UW 201244
DN 53431740
SFN 36096314
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PAS SEMINARA MASSIMO; RAIMONDI MARCO
DT Patent
PI US 20070137906 A1 20070621 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20070621 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2006-556286 A 20061103
AIT USA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
CGP JP 2009023646 A 20090205 [US20070137906A1 (EXA, pat)]
PORSCHE AG
US 20110040432 A1 20110217 [US20070137906A1 (PRS, pat)]
ZAHNRADFABRIK FRIEDRICHSHAFEN
US 20110301797 A1 20111208 [US20070137906A1 (PRS, pat)]
JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE; STEUERNAGEL FRANK, DE
US 8688302 B2 20140401 [US20070137906A1 (APP, pat)]
ANDREA MORGAN, US; BOOKS MARTIN T, US; CUMMINS INC, US; DJAN-SAMPSON
PATRICK, US; SUJAN VIVEK ANAND, US
PNC. G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IPC1 B60K0001-00 [I,A]
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
NCL NCLM 180/065.100
INCL INCLM 180/065.100
AB A hybrid-drive vehicle having a pair of drive wheels; a combustion engine
having a drive shaft; a first electric motor-generator having a first
shaft connected mechanically to the drive shaft of the combustion engine;
a second electric motor-generator having a second shaft; and an electric
power supply device connected electrically to the two electric
motor-generators and having a storage device; the first shaft of the
first electric motor-generator is connected at one end to the drive shaft
of the combustion engine, and is connected at the opposite end to the

drive wheels with a fixed, non-adjustable velocity ratio.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA;
INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129
CHG Change of Owner, Inventor, Applicant
.....20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

MAX. P 表示形式

AN 35476683 INPAFAMDB ED 20070906 EW 200736 UW 201244
DN 54747132
TI veiculo de acionamento hibrido.
TL Portuguese
IN MASSIMO SEMINARA; MARCO RAIMONDI
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA, IT
DT Patent
PI BR 2006004766 A 20070828
PIT BRA PATENT APPLICATION
DAV 20070828 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI BR 2006-4766 A 20061101
AIT BRA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
ABOL VEICULO DE ACIONAMENTO HiBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.
AL Portuguese
AS national office
FA ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607
20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

1 priority, 5 applications, 5 publications (1 EPO simple family)

MAX. U 表示形式

N 35476683 INPAFAMDB ED 20070823 EW 200734 UP 20140227 UW 201409
DN 54222571
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA
DT Patent
PI JP 2007182215 A 20070719
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20070719 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2006-297957 A 20061101
AIT JPA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
REP JP 2005117779 A 20050428 (SEA, pat)
AISIN AW CO
JP 2000236602 A 20000829 (EXA, pat)
NISSAN MOTOR
JP 2004123060 A 20040422 (EXA, pat)
FUJI HEAVY IND LTD
JP 06144020 A 19940524 (EXA, pat)
AQUEOUS RES KK
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
CGP JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
PORSCHE AG
PNC. G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IPC1 B60K0017-04 [I, A]; B60L0011-14 [I, A]; B60W0010-02 [I, A];
B60W0010-06 [I, A]; B60W0010-08 [I, A]; B60W0020-00 [I, A];
F02N0011-04 [I, A]
IPCR B60K0006-442 [I, A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
FTRM 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23; 3D039/AC24; 3D039/AC32;
3D039/AD02; 3D039/AD53; 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23; 5H115/PC06; 5H115/P04;
5H115/PI16; 5H115/PI22; 5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01; 5H125/AC08; 5H125/AC12;
5H125/BA00; 5H125/BA04; 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
5H125/EE49; 5H125/EE52; 5H125/FF30
AB PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in
efficiency and easily manufacturable at low cost. SOLUTION: This
hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion
engine 5 having a drive shaft 6; a first motor-generator 8 having a first
shaft 7 connected mechanically to the drive shaft 6 of the combustion
engine 5; a second motor-generator 11 having a second shaft 10; and a
power unit 14 connected electrically to the two motor-generators 8, 11
and having a storage device 15. The first shaft 7 of the first
motor-generator 8 is connected at one end to the drive shaft 6 of the
combustion engine 5, and connected at the opposite end to the drive
wheels 3 with a fixed, non-adjustable velocity ratio. COPYRIGHT:
(C) 2007, JPO&INPIT.
AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN; INS; IPC; IPC1;
IPCR; PA; PAS; PI; PIT; PRAI; REP; TI
CHG FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB
20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION

JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011
 20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 JAPANESE INTERMEDIATE CODE: A131
 20100914
 20120517
 20110223 JPA02 - DECISION OF REFUSAL
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120419

 1 priority, 5 applications, 5 publications (1 EPO simple family)

MAXG 表示形式

MEMBER 1

AN 35476683 INPAFAMDB ED 20070906 EW 200736 UW 201244
DN 54747132
SFN 36096314
TI veiculo de acionamento hibrido.
TL Portuguese
IN MASSIMO SEMINARA; MARCO RAIMONDI
INS SEMINARA MASSIMO; RAIMONDI MARCO
PA MAGNETI MARELLI POWERTRAIN SPA
PAS MAGNETI MARELLI POWERTRAIN SPA, IT
DT Patent
PI BR 2006004766 A 20070828
PIT BRA PATENT APPLICATION
DAV 20070828 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI BR 2006-4766 A 20061101
AIT BRA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
ABOL VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.
AL Portuguese
AS national office
FA ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607
20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

MEMBER 2

AN 35476683 INPAFAMDB ED 20071206 EW 200749 UW 201244
DN 55273693
SFN 36096314
TI Hybrid-drive vehicle.
TL English

IN SEMINARA MASSIMO, RAIMONDI MARCO
 INS MARCO SEMINARA MASSIMO RAIMOND, IT
 PA MAGNETI MARELLI POWERTRAIN SPA
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI CN 101011932 A 20070808
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20070808 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2006-10138054 A 20061103
 AIT CNA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS national office
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070808 CNC06 + PUBLICATION20090514
 20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report20090611
 20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
20110707

MEMBER 3

AN 35476683 INPAFAMDB ED 20070510 EW 200719 UW 201244
 DN 53092256
 SFN 36096314
 TI Hybrid angetriebenes Fahrzeug.
 Hybrid-drive vehicle.
 Vehicule a traction hybride.
 TL German; English; French
 IN SEMINARA, MASSIMO; RAIMONDI, MARCO
 INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PA MAGNETI MARELLI POWERTRAIN S.P.A.
 PAS MAGNETI MARELLI POWERTRAIN SPA, IT
 DT Patent
 PI EP 1782988 A1 20070509 English
 PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
 DAV 20070509 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 DS R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT
 LU LV MC NL PL PT RO SE SI SK TR
 XS R: AL BA HR MK YU
 AI EP 2005-425775 A 20051104

AIT EPA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 REP US 6380640 B1 20020430 (SEA, pat, Cat: X)
 TOYOTA MOTOR CO LTD, JP
 US 20040236483 A1 20041125 (SEA, pat, Cat: A)
 TOYOTA MOTOR CO LTD, JP
 FR 2809352 A1 20011130 (SEA, pat, Cat: A)
 RENAULT, FR
 FR 2809058 A1 20011123 (SEA, pat, Cat: A)
 BIEL TIMOTHEE, FR
 US 20030127262 A1 20030710 (SEA, pat, Cat: A)
 US 5818116 A 19981006 (SEA, pat, Cat: A)
 TOYOTA MOTOR CO LTD, JP
 REC 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.
 CGP DE 102006018624 A1 20071025 [EP1782988A1 (SEA, pat)]
 VOLKSWAGEN AG, DE
 EP 2086781 A1 20090812 [EP1782988A1 (SEA, pat, Cat: XP)]
 BYD CO LTD, CN
 FR 2930743 A1 20091106 [EP1782988A1 (SEA, pat, Cat: A)]
 RENAULT SAS, FR
 IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA, pat, Cat: X)]
 MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO: MICRO VETT SPA
 IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA, pat, Cat: Y)]
 BELTRAME ANTONIO
 WO 2013014510 A1 20130131 [EP1782988A1 (ISR(EP), pat, Cat: X)]
 DI GIOIA GAETANO, IT; MECAPROM TECHNOLOGIES CORP ITALIA SRL A SOCIO
 UNICO, IT; MICRO VETT SPA, IT; REGIS FABRIZIO, IT
 WO 2014090704 A1 20140619 [EP1782988A1 (ISR(EP), pat, Cat: I)]
 JAGUAR LAND ROVER LTD, GB
 PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 IPCR B60K0006-442 [I,A]
 CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 AB A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR

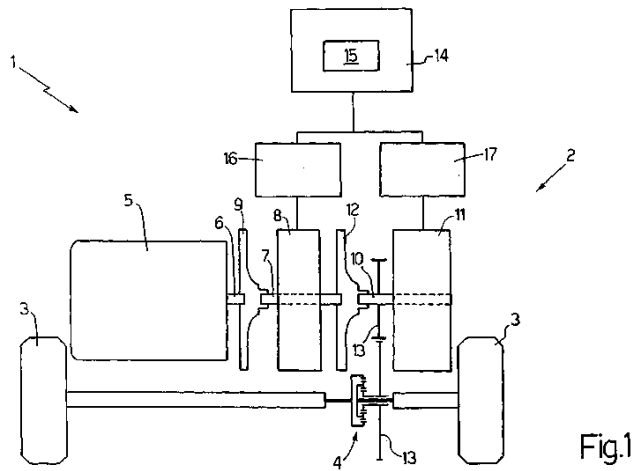


Fig.1

MEMBER 4

AN 35476683 INPAFAMDB ED 20070823 EW 200734 UP 20140227 UW 201409
 DN 54222571
 SFN 36096314
 TI HYBRID-DRIVE VEHICLE.
 TL English
 IN SEMINARA MASSIMO; RAIMONDI MARCO
 INS SEMINARA MASSIMO; RAIMONDI MARCO
 PA MAGNETI MARELLI POWERTRAIN SPA
 PAS MAGNETI MARELLI POWERTRAIN SPA
 DT Patent
 PI JP 2007182215 A 20070719
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
 PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
 APPLICATION) [FROM 19790726 ONWARDS]
 DAV 20070719 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2006-297957 A 20061101
 AIT JPA Patent application
 PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRAIT EPA Patent application
 REP JP 2005117779 A 20050428 (SEA, pat)
 AISIN AW CO
 JP 2000236602 A 20000829 (EXA, pat)
 NISSAN MOTOR
 JP 2004123060 A 20040422 (EXA, pat)
 FUJI HEAVY IND LTD
 JP 06144020 A 19940524 (EXA, pat)
 AQUEOUS RES KK
 REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
 THIS RECORD.
 CGP JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
 PORSCHE AG
 PNC G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
 IPCI B60K0017-04 [I, A]; B60L0011-14 [I, A]; B60W0010-02 [I, A];
 B60W0010-06 [I, A]; B60W0010-08 [I, A]; B60W0020-00 [I, A];
 F02N0011-04 [I, A]
 IPCR B60K0006-442 [I, A]

CPC B60K0006-442; B60K0005-04; Y02T0010-6234
 FTRM 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23; 3D039/AC24; 3D039/AC32;
 3D039/AD02; 3D039/AD53; 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
 3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23; 5H115/PC06; 5H115/PG04;
 5H115/PI16; 5H115/PI22; 5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
 5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01; 5H125/AC08; 5H125/AC12;
 5H125/BA00; 5H125/BA04; 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
 5H125/EE49; 5H125/EE52; 5H125/FF30

AB PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in efficiency and easily manufacturable at low cost. SOLUTION: This hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion engine 5 having a drive shaft 6; a first motor-generator 8 having a first shaft 7 connected mechanically to the drive shaft 6 of the combustion engine 5; a second motor-generator 11 having a second shaft 10; and a power unit 14 connected electrically to the two motor-generators 8, 11 and having a storage device 15. The first shaft 7 of the first motor-generator 8 is connected at one end to the drive shaft 6 of the combustion engine 5, and connected at the opposite end to the drive wheels 3 with a fixed, non-adjustable velocity ratio. COPYRIGHT: (C) 2007, JPO&INPIT.

AL English

AS PAJ

FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN; INS; IPC; IPC1;
 IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

CHG FCL C; FTRM C

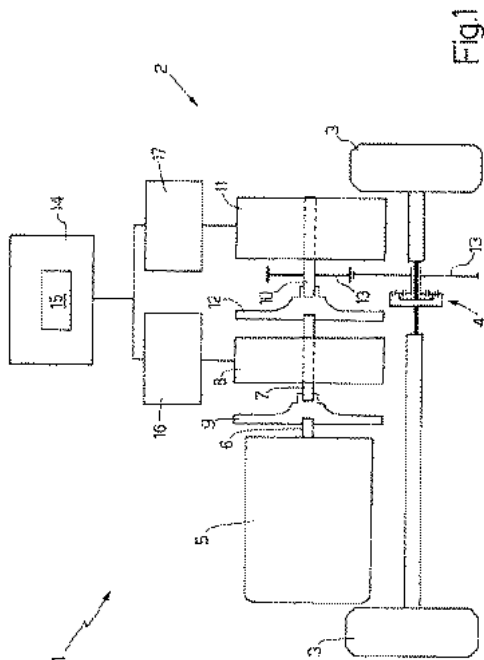
LEGAL STATUS

AN 35476683 INPAFAMDB

20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011

20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 JAPANESE INTERMEDIATE CODE: A131
 20100914
 20120517

20110223 JPA02 - DECISION OF REFUSAL
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120419



MEMBER 5

AN 35476683 INPAFAMDB ED 20070705 EW 200727 UW 201244
DN 53431740
SFN 36096314
TI HYBRID-DRIVE VEHICLE.
TL English
IN SEMINARA MASSIMO; RAIMONDI MARCO
INS SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PAS SEMINARA MASSIMO; RAIMONDI MARCO
DT Patent
PI US 20070137906 A1 20070621 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20070621 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2006-556286 A 20061103
AIT USA Patent application
PRAI EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRAIT EPA Patent application
CGP JP 2009023646 A 20090205 [US20070137906A1 (EXA, pat)]
PORSCHE AG
US 20110040432 A1 20110217 [US20070137906A1 (PRS, pat)]
ZAHNRADFABRIK FRIEDRICHSHAFEN
US 20110301797 A1 20111208 [US20070137906A1 (PRS, pat)]
JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE; STEUERNAGEL FRANK, DE
US 8688302 B2 20140401 [US20070137906A1 (APP, pat)]
ANDREA MORGAN, US; BOOKS MARTIN T, US; CUMMINS INC, US; DJAN-SAMPSON
PATRICK, US; SUJAN VIVEK ANAND, US
PNC.G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IPC1 B60K0001-00 [I,A]
IPCR B60K0006-442 [I,A]
CPC B60K0006-442; B60K0005-04; Y02T0010-6234
NCL NCLM 180/065.100
INCL INCLM 180/065.100
AB A hybrid-drive vehicle having a pair of drive wheels; a combustion engine
having a drive shaft; a first electric motor-generator having a first
shaft connected mechanically to the drive shaft of the combustion engine;
a second electric motor-generator having a second shaft; and an electric
power supply device connected electrically to the two electric
motor-generators and having a storage device; the first shaft of the
first electric motor-generator is connected at one end to the drive shaft
of the combustion engine, and is connected at the opposite end to the
drive wheels with a fixed, non-adjustable velocity ratio.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA;
INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129
CHG Change of Owner, Inventor, Applicant
..... 20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

MAXO 表示形式

MEMBER 1

AN 13538461 INPAFAMDB UP 20071122 UW 200747
DN 18277691
SFN 33410702
TI Image processing system, scanner device and image processing method.
TL English
TIO 图像处理系统、扫描装置以及图像处理方法
IN HATASHITA MASAHIRO
INS MASAHIRO HATASHITA, JP
INO 田下真广
PA MURATA MACHINERY LTD.
PAS MURATA MACHINERY LTD, JP
PAO 村田机械株式会社
DT Patent
PI CN 1550999 A 20041201
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041201 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10043197 A 20040514
AIO A2004100431973
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 135319/2003
PRAIT JPA Patent application
IC.V 7
ICM G06F013-00
ICS G06F003-12; H04N001-00
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FA AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

AN 13538461 INPAFAMDB ED 20081113 EW 200846 UP 20081211 UW 200850
DN 18277691
SFN 33410702
TI Scanner device and image processing method.
TL English
IN HATASHITA MASAHIRO
INS MASAHIRO HATASHITA, JP
PA MURATA MACHINERY LTD.
PAS MURATA MACHINERY LTD, JP
DT Patent
PI CN 100409210C C 20080806 English
PIT CNC GRANTED PATENT FOR INVENTION [FROM 19850401 UNTIL 20100406]
DAV 20080806 printed-with-grant
STA GRANTED
AI CN 2004-10043197 A 20040514
AIO B2004100431973
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 135319/2003
PRAIT JPA Patent application
XPD 20240514
IPC I G06F0013-00 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
IPCR B41J0029-38 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082

FA AI; AN; DAV; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI; XPD
CHG INS C; IN C; PAS C; PA C; AIOR A; PRAIOR A; TI C

LEGAL STATUS

AN 13538461 INPAFAMDB
20041201 CNC06 + PUBLICATION
.....20090531
20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090531
20080806 CNC14 + GRANTED
.....20090531

MEMBER 2

AN 13538461 INPAFAMDB UP 20130822 UW 201334
DN 46159799
SFN 33410702
TI IMAGE PROCESSING SYSTEM AND SCANNER.
TL English
IN HATASHITA MASAHIRO
INS HATASHITA MASAHIRO
PA MURATA MACH LTD
PAS MURATA MACHINERY LTD
DT Patent
PI JP 2004343275 A 20041202
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20041202 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2003-135319 A 20030514
AIO 2003135319
AIT JPA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAIT JPA Patent application
CGP JP 2006018734 A 20060119 [JP2004343275A (EXA, pat)]
OKI DATA KK
JP 2008211761 A 20080911 [JP2004343275A (EXA, pat)]
RICOH KK
PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM H04N001-00
ICS B41J029-38; G06F003-12
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FCL B41J0029-38 Z; G06F0003-12 D; H04N0001-00 107 A; H04N0001-00 107 Z
FTRM 2C061/AP04; 2C061/HJ08; 2C061/HQ20; 2C061/HV13; 5B021/AA01; 5B021/BB05;
5B021/EE01; 5C062/AA05; 5C062/AA14; 5C062/AB02; 5C062/AB20; 5C062/AB22;
5C062/AB38; 5C062/AC02; 5C062/AC04; 5C062/AC38; 5C062/AC48; 5C062/AC58;
5C062/AE01; 5C062/AE15; 5C062/BA00
AB PROBLEM TO BE SOLVED: To provide an image forming apparatus which can
easily build up a system and is simple in connection. SOLUTION: A PC 31
is connected to a scanner 11 through a connection of a USB (host) 32 of
the PC 31 to a USB (device) 12 of the scanner 11 and the scanner 11 is
connected to a printer 21 through a connection of a USB (host) 13 of the
scanner 11 to a USB (device) 24 of the printer 21. At a PC print time,
the scanner 11 once receives print data from the PC 31 and transfers the
data to the printer 21 via the USB (host) 13 and the USB (device) 24. At
a copy time, the scanner 11 emulates the read data in a usual format and
similarly transfers the data to the printer 21. At a PC scan time, the
scanner 11 reads data and transfers the data to the PC 31 via the USB

(device) 12 and the USB (host) 32 according to a read instruction from the PC 31. COPYRIGHT: (C)2005, JPO&NCIPI.

AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 13538461 INPAFAMDB
20051110 JPA977 REPORT ON RETRIEVAL
JAPANESE INTERMEDIATE CODE: A971007
20051110 20131128
20051116 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20051115 20131128
20060112 JPA521 WRITTEN AMENDMENT
JAPANESE INTERMEDIATE CODE: A523
20060111 20131121
20060208 JPA02 - DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20060207
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20131121

MEMBER 3

AN 13538461 INPAFAMDB UP 20071122 UW 200747
DN 49792733
SFN 33410702
TI Image processing system, scanner device and image processing method.
TL English
IN HATASHITA MASAHIRO
INS HATASHITA MASAHIRO, JP
PA MURATA KIKAI KABUSHIKI KAISHA
PAS MURATA MACHINERY LTD, US
DT Patent
PI US 20040227974 A1 20041118
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-772074 A 20040204
AIO 10772074
AIT USA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 2003-135319
PRAIT JPA Patent application
CGP EP 1592221 A2 20051102 [US20040227974A1 (SEA, pat, Cat: AP)]
OKI DATA KK, JP
EP 2273775 A2 20110112 [US20040227974A1 (SEA, pat, Cat: AP)]
OKI DATA KK, JP
US 20100077316 A1 20100325 [US20040227974A1 (PRS, pat)]
KANNER JOSHUA L; OMANSKY ADAM H
US 7609408 B2 20091027 [US20040227974A1 (SEA, pat)]
FUJI XEROX CO LTD, JP
US 8022816 B2 20110920 [US20040227974A1 (APP, pat)]
VELA SYSTEMS INC, US
PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM G06F003-00
ICS G06F015-00; H04N001-04
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]

CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
NCL NCLM 358/001.150
NCLS 358/474.000; 710/008.000
INCL INCLM 358/001.150
INCLS 710/008.000; 358/474.000
AB An image processing system includes a scanner device that scans an original document and obtains scanned data, a printer device that prints out image data and a personal computer. An interface establishes a Universal Serial Bus (USB) connection between the personal computer and the scanner device with the personal computer acting as a host terminal and the scanner device acting as a device terminal. Another interface establishes a USB connection between the scanner device and the printer device with the scanner device acting as the host terminal and the printer device acting as the device terminal.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13538461 INPAFAMDB
20040204 USAS ASSIGNMENT
MURATA KIKAI KABUSHIKI KAISHA, JAPAN
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HATASHITA,
MASAHIRO;REEL/FRAME:014968/0446
20040127
CHG Change of Owner, Inventor, Applicant
..... 20090312

1 priority, 3 applications, 4 publications (1 EPO simple family)

MAXO.M 表示形式

MEMBER 1

AN 13538461 INPAFAMDB UP 20071122 UW 200747
DN 18277691
SFN 33410702
TI Image processing system, scanner device and image processing method.
TL English
TIO 图像处理系统、扫描装置以及图像处理方法
IN HATASHITA MASAHIRO
INS MASAHIRO HATASHITA, JP
INO 田下真广
PA MURATA MACHINERY LTD.
PAS MURATA MACHINERY LTD, JP
PAO 村田机械株式会社
DT Patent
PI CN 1550999 A 20041201
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041201 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10043197 A 20040514
AIO A2004100431973
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 135319/2003
PRAIT JPA Patent application
IC.V 7
ICM G06F013-00
ICS G06F003-12; H04N001-00
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FA AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

AN 13538461 INPAFAMDB ED 20081113 EW 200846 UP 20081211 UW 200850
DN 18277691
SFN 33410702
TI Scanner device and image processing method.
TL English
IN HATASHITA MASAHIRO
INS MASAHIRO HATASHITA, JP
PA MURATA MACHINERY LTD.
PAS MURATA MACHINERY LTD, JP
DT Patent
PI CN 100409210C C 20080806 English
PIT CNC GRANTED PATENT FOR INVENTION [FROM 19850401 UNTIL 20100406]
DAV 20080806 printed-with-grant
STA GRANTED
AI CN 2004-10043197 A 20040514
AIO B2004100431973
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 135319/2003
PRAIT JPA Patent application
XPD 20240514
IPC I G06F0013-00 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
IPCR B41J0029-38 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082

FA AI; AN; DAV; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI; XPD
CHG INS C; IN C; PAS C; PA C; AIOR A; PRAIOR A; TI C

LEGAL STATUS

AN 13538461 INPAFAMDB
20041201 CNC06 + PUBLICATION
.....20090531
20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090531
20080806 CNC14 + GRANTED
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MEMBER 2

AN 13538461 INPAFAMDB UP 20130822 UW 201334
DN 46159799
SFN 33410702
TI IMAGE PROCESSING SYSTEM AND SCANNER.
TL English
IN HATASHITA MASAHIRO
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PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
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DAV 20041202 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2003-135319 A 20030514
AIO 2003135319
AIT JPA Patent application
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PRAIT JPA Patent application
CGP JP 2006018734 A 20060119 [JP2004343275A (EXA, pat)]
OKI DATA KK
JP 2008211761 A 20080911 [JP2004343275A (EXA, pat)]
RICOH KK
PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM H04N001-00
ICS B41J029-38; G06F003-12
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FCL B41J0029-38 Z; G06F0003-12 D; H04N0001-00 107 A; H04N0001-00 107 Z
FTRM 2C061/AP04; 2C061/HJ08; 2C061/HQ20; 2C061/HV13; 5B021/AA01; 5B021/BB05;
5B021/EE01; 5C062/AA05; 5C062/AA14; 5C062/AB02; 5C062/AB20; 5C062/AB22;
5C062/AB38; 5C062/AC02; 5C062/AC04; 5C062/AC38; 5C062/AC48; 5C062/AC58;
5C062/AE01; 5C062/AE15; 5C062/BA00
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easily build up a system and is simple in connection. SOLUTION: A PC 31
is connected to a scanner 11 through a connection of a USB (host) 32 of
the PC 31 to a USB (device) 12 of the scanner 11 and the scanner 11 is
connected to a printer 21 through a connection of a USB (host) 13 of the
scanner 11 to a USB (device) 24 of the printer 21. At a PC print time,
the scanner 11 once receives print data from the PC 31 and transfers the
data to the printer 21 via the USB (host) 13 and the USB (device) 24. At
a copy time, the scanner 11 emulates the read data in a usual format and
similarly transfers the data to the printer 21. At a PC scan time, the
scanner 11 reads data and transfers the data to the PC 31 via the USB

(device) 12 and the USB (host) 32 according to a read instruction from the PC 31. COPYRIGHT: (C)2005, JPO&NCIPI.

AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 13538461 INPAFAMDB
20051110 JPA977 REPORT ON RETRIEVAL
JAPANESE INTERMEDIATE CODE: A971007
20051110 20131128
20051116 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20051115 20131128
20060112 JPA521 WRITTEN AMENDMENT
JAPANESE INTERMEDIATE CODE: A523
20060111 20131121
20060208 JPA02 - DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20060207
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20131121

MEMBER 3

AN 13538461 INPAFAMDB UP 20071122 UW 200747
DN 49792733
SFN 33410702
TI Image processing system, scanner device and image processing method.
TL English
IN HATASHITA MASAHIRO
INS HATASHITA MASAHIRO, JP
PA MURATA KIKAI KABUSHIKI KAISHA
PAS MURATA MACHINERY LTD, US
DT Patent
PI US 20040227974 A1 20041118
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-772074 A 20040204
AIO 10772074
AIT USA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAO 2003-135319
PRAIT JPA Patent application
CGP EP 1592221 A2 20051102 [US20040227974A1 (SEA, pat, Cat: AP)]
OKI DATA KK, JP
EP 2273775 A2 20110112 [US20040227974A1 (SEA, pat, Cat: AP)]
OKI DATA KK, JP
US 20100077316 A1 20100325 [US20040227974A1 (PRS, pat)]
KANNER JOSHUA L; OMANSKY ADAM H
US 7609408 B2 20091027 [US20040227974A1 (SEA, pat)]
FUJI XEROX CO LTD, JP
US 8022816 B2 20110920 [US20040227974A1 (APP, pat)]
VELA SYSTEMS INC, US
PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM G06F003-00
ICS G06F015-00; H04N001-04
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]

CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
NCL NCLM 358/001.150
NCLS 358/474.000; 710/008.000
INCL INCLM 358/001.150
INCLS 710/008.000; 358/474.000
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AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13538461 INPAFAMDB
20040204 USAS ASSIGNMENT
MURATA KIKAI KABUSHIKI KAISHA, JAPAN
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HATASHITA,
MASAHIRO;REEL/FRAME:014968/0446
20040127
CHG Change of Owner, Inventor, Applicant
..... 20090312

1 priority, 3 applications, 4 publications (1 EPO simple family)

MAXO.P 表示形式

AN 13538461 INPAFAMDB ED 20081113 EW 200846 UP 20081211 UW 200850
DN 18277691
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INS MASAHIRO HATASHITA, JP
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PAS MURATA MACHINERY LTD, JP
DT Patent
PI CN 100409210C C 20080806 English
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AIT CNA Patent application
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PRAO 135319/2003
PRAIT JPA Patent application
XPD 20240514
IPC1 G06F0013-00 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
IPCR B41J0029-38 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FA AI; AN; DAV; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI; XPD
CHG INS C; IN C; PAS C; PA C; AIOR A; PRAIOR A; TI C

LEGAL STATUS

AN 13538461 INPAFAMDB
20041201 CNC06 + PUBLICATION20090531
20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report20090531
20080806 CNC14 + GRANTED20090531

1 priority, 3 applications, 4 publications (1 EPO simple family)

MAXO.U 表示形式

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DN 46159799
TI IMAGE PROCESSING SYSTEM AND SCANNER.
TL English
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PA MURATA MACH LTD
PAS MURATA MACHINERY LTD
DT Patent
PI JP 2004343275 A 20041202
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20041202 unexamined-printed-without-grant
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AIO 2003135319
AIT JPA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAIT JPA Patent application
CGP JP 2006018734 A 20060119 [JP2004343275A (EXA, pat)]
OKI DATA KK
JP 2008211761 A 20080911 [JP2004343275A (EXA, pat)]
RICOH KK
PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM H04N001-00
ICS B41J029-38; G06F003-12
IPCR B41J0029-38 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]
CPC H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039;
H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049;
H04N2201-0081; H04N2201-0082
FCL B41J0029-38 Z; G06F0003-12 D; H04N0001-00 107 A; H04N0001-00 107 Z
FTRM 2C061/AP04; 2C061/HJ08; 2C061/HQ20; 2C061/HV13; 5B021/AA01; 5B021/BB05;
5B021/EE01; 5C062/AA05; 5C062/AA14; 5C062/AB02; 5C062/AB20; 5C062/AB22;
5C062/AB38; 5C062/AC02; 5C062/AC04; 5C062/AC38; 5C062/AC48; 5C062/AC58;
5C062/AE01; 5C062/AE15; 5C062/BA00
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the scanner 11 once receives print data from the PC 31 and transfers the
data to the printer 21 via the USB (host) 13 and the USB (device) 24. At
a copy time, the scanner 11 emulates the read data in a usual format and
similarly transfers the data to the printer 21. At a PC scan time, the
scanner 11 reads data and transfers the data to the PC 31 via the USB
(device) 12 and the USB (host) 32 according to a read instruction from
the PC 31. COPYRIGHT: (C)2005, JPO&NCIPI.
AL English
AS PAJ
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 13538461 INPAFAMDB
20051110 JPA977 REPORT ON RETRIEVAL
JAPANESE INTERMEDIATE CODE: A971007
20051110
..... 20131128
20051116 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20051115

20060112 JPA52120131128
WRITTEN AMENDMENT
JAPANESE INTERMEDIATE CODE: A523
20060111
20060208 JPA0220131121
- DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20060207
NIF Lapses, Expiries, Withdrawals, Refusals
.....20131121

1 priority, 3 applications, 4 publications (1 EPO simple family)

MAX02 表示形式

MEMBER 1

AN 37618244 INPAFAMDB ED 20100603 EW 201022 UW 201403
DN 61157678
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer
Vorrichtung oder eines Lebewesens.
TL German
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI DE 602008001037 D1 20100602
PIT DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]
DAV 20100602 gazette-pub-announcement
STA GRANTED
AI DE 2008-602008001037 A 20080709
AIO 602008001037
AIT DEA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
XPD 20280709
IPC1 G06K0009-00 [I, A]; A61B0005-11 [I, A]; G06K0009-22 [I, A];
G06K0009-68 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
FA AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; PA; PAS; PI; PIT; PRAI;
TI; XPD

LEGAL STATUS

AN 37618244 INPAFAMDB
20100722 DE8327 CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERG, FR
CHG Change of Owner, Inventor, Applicant
.....20100722
20110512 DE8364 + NO OPPOSITION DURING TERM OF OPPOSITION
.....20110512

MEMBER 2

AN 37618244 INPAFAMDB ED 20090212 EW 200907 UW 201403
DN 58009174
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer
Vorrichtung oder eines Lebewesens.
Method and device for recognising the position or movement of a device or
living being.
Procédé et dispositif de reconnaissance de position ou de
mouvement d'un dispositif ou d'un être vivant.
TL German; English; French
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI EP 2023268 A1 20090211 French
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DAV 20090211 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE GB IT
XS R: AL BA MK RS
AI EP 2008-159980 A 20080709
AIO 08159980
AIT EPA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
REP WO 2005094676 A1 20051013 (SEA, pat, Cat: A)
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GUILLEMAUD
REGIS, FR
US 6834436 B2 20041228 (APP, pat)
MICROSTRAIN INC, US
REXP XP008041999 (SEA, Cat: A)
XP002315239 (SEA, Cat: AD)
XP010573412 (SEA, Cat: A)
REN (1) FAHRENBERG J ET AL: "ASSESSMENT OF POSTURE AND MOTION BY
MULTICHANNEL PIEZORESISTIVE ACCELEROMETER RECORDINGS" PSYCHOPHYSIOLOGY,
SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, US, vol. 34, no. 5, 1997, pages
607-612, XP008041999 ISSN: 0048-5772 (SEA, Cat: A)
(2) VELTINK P H ET AL: "Detection of static and dynamic activities using
uniaxial accelerometers" IEEE TRANSACTIONS ON REHABILITATION ENGINEERING,
IEEE INC. NEW YORK, US, vol. 4, no. 4, decembre 1996 (1996-12), pages
375-385, XP002315239 ISSN: 1063-6528 (SEA, Cat: AD)
(3) MARINS J L ET AL: "An extended kalman filter for quaternion-based
orientation estimation using MARG sensors" PROCEEDINGS OF THE 2001
IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS.
(IROS 2001). MAUI, HAWAII, OCT. 29 - NOV. 3, 2001, IEEE/RSJ INTERNATIONAL
CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, NEW YORK, NY : IEEE, US,
vol. VOL. 1 OF 4, 29 octobre 2001 (2001-10-29), pages 2003-2011,
XP010573412 ISBN: 0-7803-6612-3 (SEA, Cat: A)
(4) P. H. VELTINK ET AL.: 'Detection of static and dynamic activities
using uniaxial accelerometers' IEEE TRANS. REHAB. ENG. vol. 4, no. 4,
Decembre 1996, pages 375 - 385 (APP)
(5) G. M. LYONS ET AL.: 'A description of an accelerometer-based mobility
monitoring technique' MEDICAL ENGINEERING AND PHYSICS vol. 27, 2005,
pages 497 - 504 (APP)
(6) N. C. BHAVARAJU; M. G. FREI; I OSORIO: 'Analog Seizure Detection and
Performance Evaluation' IEEE TRANS. ON BIOMEDICAL ENG. vol. 53, no. 2,
Fevrier 2006, (APP)
(7) NICOLAOS B. KARAYIANNIS: 'Automated Detection of Videotaped Neonatal
Seizures of Epileptic Origin' EPILEPSIA vol. 47, no. 6, 2006, pages 966 -
980 (APP)
REC 9. THERE ARE 9 CITED REFERENCES (2 PATENT, 7 NON PATENT) AVAILABLE FOR
THIS RECORD.
CGP WO 2011020504 A1 20110224 [EP2023268A1 (ISR(EP), pat, Cat: A)]
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; JALLON PIERRE,
FR; MOVEA, FR
PNC G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IPC1 G06K0009-00 [I, A]; A61B0005-11 [I, A]; G06K0009-22 [I, A];
G06K0009-68 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
AB The method involves applying a set of decision rules to position/movement
measurements by two set of sensors e.g. gyrometers (14, 15), to classify
events e.g. seated posture. A knowledge base is created to identify event
classification and characteristics obtained from the measurements during
a learning phase. Another set of rules is defined from the base to
classify the events. One sensor set is removed and the other set is
maintained on a pen or living organism i.e. patient. A position/movement
of the pen/patient is classified during a recognizing phase by applying
the latter rule set. An independent claim is also included for a position
or movement recognizing device comprising a sensor.

AL English
AS transcript
ABFR Ce procédé utilise deux jeux de capteurs pour estimer certaines caractéristiques du mouvement d'un dispositif ou d'un être vivant ou des états, notamment des postures, qu'ils prennent. Un premier jeu, abondant, de capteurs (1) est retiré après une phase d'apprentissage où il a enregistré avec sûreté les états obtenus en exploitant des premières règles de décision. Les mesures d'un second jeu de capteurs (2), beaucoup plus réduit que le premier, sont corrélées aux états atteints pendant l'apprentissage par des secondes règles de décision obtenues automatiquement en alimentant un classificateur. Elles sont ensuite exploitées pour déterminer les nouveaux états atteints par le porteur au moyen des seuls seconds capteurs. Les résultats sont bons malgré le petit nombre des seconds capteurs, grâce à la précision des secondes règles de décision.

AL French
AS EPO
FA AB; ABFR; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI

AN 37618244 INPAFAMDB ED 20100422 EW 201016 UW 201403
DN 58009174
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer Vorrichtung oder eines Lebewesens.
Method and device for recognising the position or movement of a device or living being.
Procédé et dispositif de reconnaissance de position ou de mouvement d'un dispositif ou d'un être vivant.

TL German; English; French
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI EP 2023268 B1 20100421 French
PIT EPB1 PATENT SPECIFICATION
DAV 20100421 printed-with-grant
STA GRANTED
DS R: DE GB IT
AI EP 2008-159980 A 20080709
AIO 08159980
AIT EPA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
XPD 20280709
IPCI G06K0009-00 [I,A]; A61B0005-11 [I,A]; G06K0009-22 [I,A];
G06K0009-68 [I,A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
FA AI; AN; DAV; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI;
PIT; PRAI; TI; XPD

LEGAL STATUS

AN 37618244 INPAFAMDB
20090211 EPAK + DESIGNATED CONTRACTING STATES:
EP A1
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
..... 20090212
20090211 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
AL BA MK RS

20090819 EP17P + REQUEST FOR EXAMINATION FILED 20090212
 20090709
 EXA Examination, Search Report
 20090909 EP17Q + FIRST EXAMINATION REPORT 20090824
 20090807
 EXA Examination, Search Report
 20091014 EPAKX + PAYMENT OF DESIGNATION FEES 20090910
 DE GB IT
 20100421 EPAK + DESIGNATED CONTRACTING STATES: 20091015
 EP B1
 DE GB IT
 20100421 EPREG REFERENCE TO A NATIONAL CODE 20100422
 GBFG4D + GB: EUROPEAN PATENT GRANTED
 NOT ENGLISH
 20100505 EPRAP2 TRANSFER OF RIGHTS OF AN EP PUBLICATION 20100422
 COMMISSARIAT A L' ENERGIE ATOMIQUE ET AUX ENERGIES
 CHG Change of Owner, Inventor, Applicant
 20100602 EPREF CORRESPONDS TO: 20100506
 DE 602008001037 P 20100602
 20110330 EP26N + NO OPPOSITION FILED 20100603
 20110124
 20131031 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20110331
 DE: 20130709
 PAYMENT YEAR: 06
 20131129 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20131114
 GB: 20130719
 PAYMENT YEAR: 06
 20131231 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20131219
 IT: 20130711
 PAYMENT YEAR: 06
 20140109

 MEMBER 3

AN 37618244 INPAFAMDB ED 20090205 EW 200906 UW 201403
 DN 57921649
 SFN 38694904
 TI PROCEDE ET DISPOSITIF DE RECONNAISSANCE DE POSITION OU DE MOUVEMENT D' UN
 DISPOSITIF OU D' UN ETRE VIVANT.
 TL French
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE; GODIN CHRISTELLE
 PA COMMISSARIAT A L' ENERGIE ATOMIQUE ETABLISSEMENT PUBLIC A CARACTERE
 INDUSTRIEL ET COMMERCIAL
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI FR 2919406 A1 20090130 French
 PIT FRA1 APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM NO.
 20000000]
 DAV 20090130 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI FR 2007-56683 A 20070723
 AIO 0756683
 AIT FRA Patent application

PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAIT FRA Patent application
 REP WO 2005094676 A1 20051013 (SEA, pat, Cat: A)
 BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GUILLEMAUD
 REGIS, FR
 REXP XP008041999 (SEA, Cat: A)
 XP002315239 (SEA, Cat: AD)
 XP010573412 (SEA, Cat: A)
 REN (1) FAHRENBERG J ET AL: "ASSESSMENT OF POSTURE AND MOTION BY
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 607-612, XP008041999 ISSN: 0048-5772 (SEA, Cat: A)
 (2) VELTINK P H ET AL: "Detection of static and dynamic activities using
 uniaxial accelerometers" IEEE TRANSACTIONS ON REHABILITATION ENGINEERING,
 IEEE INC. NEW YORK, US, vol. 4, no. 4, decembre 1996 (1996-12), pages
 375-385, XP002315239 ISSN: 1063-6528 (SEA, Cat: AD)
 (3) MARINS J L ET AL: "An extended kalman filter for quaternion-based
 orientation estimation using MARG sensors" PROCEEDINGS OF THE 2001
 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS.
 (IROS 2001). MAUI, HAWAII, OCT. 29 - NOV. 3, 2001, IEEE/RSJ INTERNATIONAL
 CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, NEW YORK, NY : IEEE, US,
 vol. VOL. 1 OF 4, 29 octobre 2001 (2001-10-29), pages 2003-2011,
 XP010573412 ISBN: 0-7803-6612-3 (SEA, Cat: A)
 REC 4. THERE ARE 4 CITED REFERENCES (1 PATENT, 3 NON PATENT) AVAILABLE FOR
 THIS RECORD.
 IPCI G06K0009-00 [I,A]; A61B0005-11 [I,A]
 CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
 A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
 A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
 G06K0009-6807
 ABFR Ce procédé utilise deux jeux de capteurs pour estimer certaines
 caractéristiques du mouvement d'un dispositif ou d'un être
 vivant ou des états, notamment des postures, qu'ils prennent. Un
 premier jeu, abondant, de capteurs (1) est retiré après une
 phase d'apprentissage où il a enregistré avec sûreté
 les états obtenus en exploitant des premières règles de
 décision. Les mesures d'un second jeu de capteurs (2), beaucoup plus
 réduit que le premier, sont corrélées aux états
 atteints pendant l'apprentissage par des secondes règles de
 décision obtenues automatiquement en alimentant un classificateur.
 Elles sont ensuite exploitées pour déterminer les nouveaux
 états atteints par le porteur au moyen des seuls seconds capteurs.
 Les résultats sont bons malgré le petit nombre des seconds
 capteurs, grâce à la précision des secondes règles de
 décision.
 AL French
 AS national office
 AB The method involves applying a set of decision rules to position/movement
 measurements by two set of sensors e.g. gyrometers (14, 15), to classify
 events e.g. seated posture. A knowledge base is created to identify event
 classification and characteristics obtained from the measurements during
 a learning phase. Another set of rules is defined from the base to
 classify the events. One sensor set is removed and the other set is
 maintained on a pen or living organism i.e. patient. A position/movement
 of the pen/patient is classified during a recognizing phase by applying
 the latter rule set. An independent claim is also included for a position
 or movement recognizing device comprising a sensor.
 AL English
 AS transcript
 FA AB; ABFR; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS;
 PI; PIT; PRAI; REN; REP; REXP; TI
 AN 37618244 INPAFAMDB ED 20091029 EW 200944 UW 201403
 DN 57921649
 SFN 38694904
 TI PROCEDE ET DISPOSITIF DE RECONNAISSANCE DE POSITION OU DE MOUVEMENT D'UN
 DISPOSITIF OU D'UN ETRE VIVANT.

TL French
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE; GODIN CHRISTELLE
 PA COMMISSARIAT A L'ENERGIE ATOMIQUE ETABLISSEMENT PUBLIC A CARACTERE
 INDUSTRIEL ET COMMERCIAL
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI FR 2919406 B1 20091023
 PIT FRB1 PATENT OF INVENTION (SECOND PUBL.) [FROM NO. 2000000]
 DAV 20091023 printed-with-grant
 STA GRANTED
 AI FR 2007-56683 A 20070723
 AIO 0756683
 AIT FRA Patent application
 PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAIT FRA Patent application
 XPD 20270723
 IPCI G06K0009-00 [I,A]; A61B0005-11 [I,A]
 CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
 A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
 A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
 G06K0009-6807
 AB The method involves applying a set of decision rules to position/movement
 measurements by two set of sensors e.g. gyrometers (14, 15), to classify
 events e.g. seated posture. A knowledge base is created to identify event
 classification and characteristics obtained from the measurements during
 a learning phase. Another set of rules is defined from the base to
 classify the events. One sensor set is removed and the other set is
 maintained on a pen or living organism i.e. patient. A position/movement
 of the pen/patient is classified during a recognizing phase by applying
 the latter rule set. An independent claim is also included for a position
 or movement recognizing device comprising a sensor.
 AL English
 AS transcript
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; PA; PAS; PI; PIT;
 PRAI; TI; XPD

 MEMBER 4

AN 37618244 INPAFAMDB ED 20090212 EW 200907 UW 201403
 DN 58002192
 SFN 38694904
 TI METHOD AND DEVICE FOR THE RECOGNITION OF THE POSITION OR MOVEMENT OF A
 DEVICE OR A PERSON.
 TL English
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
 PA COMMISSARIAT A L'ENERGIE ATOMIQUE
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI US 20090030345 A1 20090129 English
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20090129 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI US 2008-178559 A 20080723
 AIO 12178559
 AIT USA Patent application
 PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAO 07 56683
 PRAIT FRA Patent application
 REP US 20020103610 A1 20020801 (PRS, pat)
 US GOVERNMENT, US
 US 6658287 B1 20031202 (PRS, pat)
 GEORGIA TECH RES INST, US
 US 6735467 B2 20040511 (PRS, pat)

PERSYST DEV CORP, US
US 6889129 B2 20050503 (PRS, pat)
DENSO CORP, JP
US 20080294315 A1 20081127 (PRS, pat)
INTELLIGENT TECH INT INC, US
US 20090062696 A1 20090305 (PRS, pat)
VAIDHI NATHAN
US 20090099627 A1 20090416 (PRS, pat)
MEDTRONIC INC, US
US 20100280574 A1 20101104 (PRS, pat)
MEDTRONIC INC, US
US 20100280579 A1 20101104 (PRS, pat)
MEDTRONIC INC, US
US 20110060252 A1 20110310 (PRS, pat)
KIERNAN MICHAEL NOEL; SIMONSEN HANNE; SIMONSEN JAN
US 20120029390 A1 20120202 (PRS, pat)
COLBORN JOHN, US
US 20120053491 A1 20120301 (PRS, pat)
GOPE CHANDAN, US; NATHAN ANOO, US; NATHAN VAIDHI, US; VAIDHI NATHAN,
US
US 8190251 B2 20120529 (PRS, pat)
CARLSON DAVID L, US; GIFTAKIS JONATHON E, US; MEDTRONIC INC, US;
MIESEL KEITH A, US; MIYAZAWA GABRIELA C, US; MOLNAR GREGORY F, US;
WERDER JONATHAN C, US
US 20120108998 A1 20120503 (PRS, pat)
DENISON TIMOTHY J, US; GILL STEVEN S, GB; LENT MARK S, US; MEDTRONIC
INC, US; MIESEL KEITH A, US; MOLNAR GREGORY F, US; PANKEN ERIC J, US;
WAHLSTRAND CARL D, US; WERDER JONATHAN C, US

REN (1) Becq et al. Collection and exploratory analysis of attitude sensor
data in an epilepsy monitoring unit", Proceedings of the 29th annual
international conference of IEEE EMBS, France, 2007, pp. 2775-2778. (PRS)
(2) Guillaume Becq, Stephane Bonnet, Lorella Minotti, Michel Antonakios,
Regis Guillemaud, Philippe Kahane, Classification of epileptic motor
manifestations using inertial and magnetic sensors, Computers in Biology
and Medicine, Volume 41, Issue 1, January 2011, Pages 46-55. (PRS)

REC 16. THERE ARE 16 CITED REFERENCES (14 PATENT, 2 NON PATENT) AVAILABLE FOR
THIS RECORD.

CGP US 20110105956 A1 20110505 [US20090030345A1 (PRS, pat)]
HIRTH VICTOR A
US 20110173831 A1 20110721 [US20090030345A1 (PRS, pat)]
CARITU YANIS; GODIN CHRISTELLE
US 20110235915 A1 20110929 [US20090030345A1 (PRS, pat)]
OKI ELECTRIC IND CO LTD, JP
US 20130046149 A1 20130221 [US20090030345A1 (PRS, pat)]
ACCENTURE GLOBAL SERVICES LTD, IE; GETTELMAN CRAIG A, US; POGULA
ANKUR, US; REIERSON BEN, US; WAN DADONG, US
US 8301575 B2 20121030 [US20090030345A1 (SEA, pat)]
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GODIN
CHRISTELLE, FR
US 8491504 B2 20130723 [US20090030345A1 (SEA, pat)]
HIRTH VICTOR A, US; UNIV SOUTH CAROLINA, US
US 8768071 B2 20140701 [US20090030345A1 (APP, pat)]
DARRELL TREVOR, US; FRITZ MARIO, DE; INTERNAT COMP SCIENCE INST, US;
TOYOTA ENG & MFG NORTH AMERICA, US; TSUCHINAGA MASAYOSHI, JP
US 8771206 B2 20140708 [US20090030345A1 (SEA, pat)]
ACCENTURE GLOBAL SERVICES LTD, IE; ERICKSON TERRIANNE, US; GETTELMAN
CRAIG A, US; POGULA ANKUR, US; REIERSON BEN, US; WAN DADONG, US
WO 2012106770 A1 20120816 [US20090030345A1 (ISR(AU), pat, Cat: X)]
DORSAVI PTY LTD, AU; RONCHI ANDREW JAMES, AU; RONCHI DANIEL MATTHEW,
AU; UMER MUHAMMAD, AU
WO 2012131171 A1 20121004 [US20090030345A1 (ISR(FI), pat, Cat: X)]
KAEAERIAE KATJA, FI; NIKKOLA ARI, FI; VIVAGO OY, FI

PNC G 10. THERE ARE 10 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC1 A61B0005-22 [I, A]

CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;

G06K0009-6807

NCL NCLM 600/587.000
INCL INCLM 600/587.000

AB This method uses two sets of sensors to estimate certain characteristics of the movement of a device or a person or states, especially postures, they adopt. A first, abundant, set of sensors (1) is removed after a learning phase where it records with certainty the states obtained by interpreting first decisional rules. The measurements of a second set of sensors (2), much more restricted than the first, are correlated to the states reached during the learning period by second decisional rules automatically obtained by supplying a classifier. They are then interpreted to determine the new states reached by the wearer just by means of the second sensors. The results are good in spite of the low number of second sensors, thanks to the accuracy of the second decisional rules.

AL English
AS national office

FA AB; AI; AN; DAV; GGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

AN 37618244 INPAFAMDB ED 20121108 EW 201245 UP 20140227 UW 201409
DN 58002192
SFN 38694904
TI Method and device for the recognition of the position or movement of a device or a person.

TL English
IN BONNET STEPHANE; GODIN CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA BONNET STEPHANE; GODIN CHRISTELLE; COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR

DT Patent
PI US 8301575 B2 20121030 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]

DAV 20121030 printed-with-grant
STA GRANTED
AI US 2008-178559 A 20080723
AIO 12178559
AIT USA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 07 56683
PRAIT FRA Patent application
XPD 20280723

REP US 6658287 B1 20031202 (SEA, pat)
GEORGIA TECH RES INST, US
US 6735467 B2 20040511 (SEA, pat)
PERSYST DEV CORP, US
US 6889129 B2 20050503 (SEA, pat)
DENSO CORP, JP
US 8190251 B2 20120529 (SEA, pat)
CARLSON DAVID L, US; GIFTAKIS JONATHON E, US; MEDTRONIC INC, US;
MIESEL KEITH A, US; MIYAZAWA GABRIELA C, US; MOLNAR GREGORY F, US;
WERDER JONATHAN C, US
US 20020103610 A1 20020801 (SEA, pat)
US GOVERNMENT, US
US 20080294315 A1 20081127 (SEA, pat)
INTELLIGENT TECH INT INC, US
US 20090030345 A1 20090129 (SEA, pat)
COMMISSARIAT ENERGIE ATOMIQUE, FR
US 20090062696 A1 20090305 (SEA, pat)
VAIDHI NATHAN
US 20090099627 A1 20090416 (SEA, pat)
MEDTRONIC INC, US
US 20100280574 A1 20101104 (SEA, pat)
MEDTRONIC INC, US
US 20100280579 A1 20101104 (SEA, pat)

MEDTRONIC INC, US
US 20110060252 A1 20110310 (SEA, pat)
KIERNAN MICHAEL NOEL; SIMONSEN HANNE; SIMONSEN JAN
US 20120029390 A1 20120202 (SEA, pat)
COLBORN JOHN, US
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GOPE CHANDAN, US; NATHAN ANOO, US; NATHAN VAIDHI, US; VAIDHI NATHAN,
US
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WAHLSTRAND CARL D, US; WERDER JONATHAN C, US
WO 2005094676 A1 20051013 (APP, pat)
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GUILLEMAUD
REGIS, FR

REN (1) Becq et al. Collection and exploratory analysis of attitude sensor
data in an epilepsy monitoring unit, Proceedings of the 29th annual
international conference of IEEE EMBS, France, 2007, pp. 2775-2778. (SEA)
(2) Guillaume Becq, Stephane Bonnet, Lorella Minotti, Michel Antonakios,
Regis Guillemaud, Philippe Kahane, Classification of epileptic motor
manifestations using inertial and magnetic sensors, Computers in Biology
and Medicine, vol. 41, Issue 1, Jan. 2011, pp. 46-55. (SEA)
(3) Fahrenberg, Jochen et al., "Assessment of Posture and Motion by
Multichannel Piezoresistive Accelerometer Recordings," Psychophysiology,
34, 1997, Cambridge University Press, pp. 607-612. (APP)
(4) International Search Report, Application No. 08159980.5, dated Aug.
14, 2008. (APP)
(5) Marins, Joao L. et al., "An Extended Kalman Filter for
Quaternion-Based Orientation Estimation Using MARG Sensors," Proceedings
of the 2001 IEEE/RSJ, International Conference on Intelligent Robots and
Systems, 2001 pp. 2003-2011. (APP)
(6) Veltink, Peter H. et al., "Detection of Static and Dynamic Activities
Using Uniaxial Accelerometers," IEEE Transactions on Rehabilitation
Engineering, vol. 4, No. 4, Dec. 1996, pp. 375-385. (APP)

REC 22. THERE ARE 22 CITED REFERENCES (16 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.

CGP US 20110105956 A1 20110505 [US8301575B2 (PRS, pat)]
HIRTH VICTOR A
US 20110173831 A1 20110721 [US8301575B2 (PRS, pat)]
CARITU YANIS; GODIN CHRISTELLE
US 20130079983 A1 20130328 [US8301575B2 (PRS, pat)]
EHLGEN TOBIAS, DE; SEPP WOLFGANG, DE
US 8491504 B2 20130723 [US8301575B2 (SEA, pat)]
HIRTH VICTOR A, US; UNIV SOUTH CAROLINA, US
US 8712637 B2 20140429 [US8301575B2 (SEA, pat)]
BOSCH GMBH ROBERT, DE; EHLGEN TOBIAS, DE; SEPP WOLFGANG, DE

PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC1 G06F0015-18 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807

INCL INCLM 706/012.000
INCLS 706/924.000; 600/545.000; 600/595.000

AB This method uses two sets of sensors to estimate certain characteristics
of the movement of a device or a person or states, especially postures,
they adopt. A first, abundant, set of sensors (1) is removed after a
learning phase where it records with certainty the states obtained by
interpreting first decisional rules. The measurements of a second set of
sensors (2), much more restricted than the first, are correlated to the
states reached during the learning period by second decisional rules
automatically obtained by supplying a classifier. They are then
interpreted to determine the new states reached by the wearer just by
means of the second sensors. The results are good in spite of the low
number of second sensors, thanks to the accuracy of the second decisional
rules.

AL English

AS national office
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL;
PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD
CHG INS A; IN A; PAS A; PA A

LEGAL STATUS

AN 37618244 INPAFAMDB

20090506 USAS

ASSIGNMENT

COMMISSARIAT A L'ENERGIE ATOMIQUE, FRANCE

ASSIGNMENT OF ASSIGNORS INTEREST:ASSIGNORS:BONNET,

STEPHANE;GODIN, CHRISTELLE;REEL/FRAME:022649/0042

20080627

CHG Change of Owner, Inventor, Applicant

.....20091015

1 priority, 4 applications, 7 publications (1 EPO simple family)

MAX02. M 表示形式

MEMBER 1

AN 37618244 INPAFAMDB ED 20100603 EW 201022 UW 201403
DN 61157678
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer
Vorrichtung oder eines Lebewesens.
TL German
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI DE 602008001037 D1 20100602
PIT DED1 GRANTED EP NUMBER IN BULLETIN [FROM NO. 1400000 ONWARDS]
DAV 20100602 gazette-pub-announcement
STA GRANTED
AI DE 2008-602008001037 A 20080709
AIO 602008001037
AIT DEA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
XPD 20280709
IPC1 G06K0009-00 [I, A]; A61B0005-11 [I, A]; G06K0009-22 [I, A];
G06K0009-68 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
FA AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; PA; PAS; PI; PIT; PRAI;
TI; XPD

LEGAL STATUS

AN 37618244 INPAFAMDB
20100722 DE8327 CHANGE IN THE PERSON/NAME/ADDRESS OF THE PATENT OWNER
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERG, FR
CHG Change of Owner, Inventor, Applicant
.....20100722
20110512 DE8364 + NO OPPOSITION DURING TERM OF OPPOSITION
.....20110512

MEMBER 2

AN 37618244 INPAFAMDB ED 20090212 EW 200907 UW 201403
DN 58009174
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer
Vorrichtung oder eines Lebewesens.
Method and device for recognising the position or movement of a device or
living being.
Procédé et dispositif de reconnaissance de position ou de
mouvement d'un dispositif ou d'un être vivant.
TL German; English; French
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI EP 2023268 A1 20090211 French
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DAV 20090211 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE GB IT
XS R: AL BA MK RS
AI EP 2008-159980 A 20080709
AIO 08159980
AIT EPA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
REP WO 2005094676 A1 20051013 (SEA, pat, Cat: A)
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GUILLEMAUD
REGIS, FR
US 6834436 B2 20041228 (APP, pat)
MICROSTRAIN INC, US
REXP XP008041999 (SEA, Cat: A)
XP002315239 (SEA, Cat: AD)
XP010573412 (SEA, Cat: A)
REN (1) FAHRENBERG J ET AL: "ASSESSMENT OF POSTURE AND MOTION BY
MULTICHANNEL PIEZORESISTIVE ACCELEROMETER RECORDINGS" PSYCHOPHYSIOLOGY,
SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, US, vol. 34, no. 5, 1997, pages
607-612, XP008041999 ISSN: 0048-5772 (SEA, Cat: A)
(2) VELTINK P H ET AL: "Detection of static and dynamic activities using
uniaxial accelerometers" IEEE TRANSACTIONS ON REHABILITATION ENGINEERING,
IEEE INC. NEW YORK, US, vol. 4, no. 4, decembre 1996 (1996-12), pages
375-385, XP002315239 ISSN: 1063-6528 (SEA, Cat: AD)
(3) MARINS J L ET AL: "An extended kalman filter for quaternion-based
orientation estimation using MARG sensors" PROCEEDINGS OF THE 2001
IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS.
(IROS 2001). MAUI, HAWAII, OCT. 29 - NOV. 3, 2001, IEEE/RSJ INTERNATIONAL
CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, NEW YORK, NY : IEEE, US,
vol. VOL. 1 OF 4, 29 octobre 2001 (2001-10-29), pages 2003-2011,
XP010573412 ISBN: 0-7803-6612-3 (SEA, Cat: A)
(4) P. H. VELTINK ET AL.: 'Detection of static and dynamic activities
using uniaxial accelerometers' IEEE TRANS. REHAB. ENG. vol. 4, no. 4,
Decembre 1996, pages 375 - 385 (APP)
(5) G. M. LYONS ET AL.: 'A description of an accelerometer-based mobility
monitoring technique' MEDICAL ENGINEERING AND PHYSICS vol. 27, 2005,
pages 497 - 504 (APP)
(6) N. C. BHAVARAJU; M. G. FREI; I OSORIO: 'Analog Seizure Detection and
Performance Evaluation' IEEE TRANS. ON BIOMEDICAL ENG. vol. 53, no. 2,
Fevrier 2006, (APP)
(7) NICOLAOS B. KARAYIANNIS: 'Automated Detection of Videotaped Neonatal
Seizures of Epileptic Origin' EPILEPSIA vol. 47, no. 6, 2006, pages 966 -
980 (APP)
REC 9. THERE ARE 9 CITED REFERENCES (2 PATENT, 7 NON PATENT) AVAILABLE FOR
THIS RECORD.
CGP WO 2011020504 A1 20110224 [EP2023268A1 (ISR(EP), pat, Cat: A)]
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; JALLON PIERRE,
FR; MOVEA, FR
PNC G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IPC1 G06K0009-00 [I, A]; A61B0005-11 [I, A]; G06K0009-22 [I, A];
G06K0009-68 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
AB The method involves applying a set of decision rules to position/movement
measurements by two set of sensors e.g. gyrometers (14, 15), to classify
events e.g. seated posture. A knowledge base is created to identify event
classification and characteristics obtained from the measurements during
a learning phase. Another set of rules is defined from the base to
classify the events. One sensor set is removed and the other set is
maintained on a pen or living organism i.e. patient. A position/movement
of the pen/patient is classified during a recognizing phase by applying
the latter rule set. An independent claim is also included for a position
or movement recognizing device comprising a sensor.

AL English
AS transcript
ABFR Ce procédé utilise deux jeux de capteurs pour estimer certaines caractéristiques du mouvement d'un dispositif ou d'un être vivant ou des états, notamment des postures, qu'ils prennent. Un premier jeu, abondant, de capteurs (1) est retiré après une phase d'apprentissage où il a enregistré avec sûreté les états obtenus en exploitant des premières règles de décision. Les mesures d'un second jeu de capteurs (2), beaucoup plus réduit que le premier, sont corrélées aux états atteints pendant l'apprentissage par des secondes règles de décision obtenues automatiquement en alimentant un classificateur. Elles sont ensuite exploitées pour déterminer les nouveaux états atteints par le porteur au moyen des seuls seconds capteurs. Les résultats sont bons malgré le petit nombre des seconds capteurs, grâce à la précision des secondes règles de décision.

AL French
AS EPO
FA AB; ABFR; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI

AN 37618244 INPAFAMDB ED 20100422 EW 201016 UW 201403
DN 58009174
SFN 38694904
TI Verfahren und Vorrichtung zur Positions- oder Bewegungserkennung einer Vorrichtung oder eines Lebewesens.
Method and device for recognising the position or movement of a device or living being.
Procédé et dispositif de reconnaissance de position ou de mouvement d'un dispositif ou d'un être vivant.

TL German; English; French
IN BONNET, STEPHANE; GODIN, CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
PA COMMISSARIAT A L'ENERGIE ATOMIQUE
PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
DT Patent
PI EP 2023268 B1 20100421 French
PIT EPB1 PATENT SPECIFICATION
DAV 20100421 printed-with-grant
STA GRANTED
DS R: DE GB IT
AI EP 2008-159980 A 20080709
AIO 08159980
AIT EPA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 0756683
PRAIT FRA Patent application
XPD 20280709
IPCI G06K0009-00 [I, A]; A61B0005-11 [I, A]; G06K0009-22 [I, A];
G06K0009-68 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807
FA AI; AN; DAV; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI;
PIT; PRAI; TI; XPD

LEGAL STATUS

AN 37618244 INPAFAMDB
20090211 EPAK + DESIGNATED CONTRACTING STATES:
EP A1
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT
LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR
..... 20090212
20090211 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
AL BA MK RS

20090819 EP17P + REQUEST FOR EXAMINATION FILED 20090212
 20090709
 EXA Examination, Search Report
 20090909 EP17Q + FIRST EXAMINATION REPORT 20090824
 20090807
 EXA Examination, Search Report
 20091014 EPAKX + PAYMENT OF DESIGNATION FEES 20090910
 DE GB IT
 20100421 EPAK + DESIGNATED CONTRACTING STATES: 20091015
 EP B1
 DE GB IT
 20100421 EPREG REFERENCE TO A NATIONAL CODE 20100422
 GBFG4D + GB: EUROPEAN PATENT GRANTED
 NOT ENGLISH
 20100505 EPRAP2 TRANSFER OF RIGHTS OF AN EP PUBLICATION 20100422
 COMMISSARIAT A L' ENERGIE ATOMIQUE ET AUX ENERGIES
 CHG Change of Owner, Inventor, Applicant
 20100602 EPREF CORRESPONDS TO: 20100506
 DE 602008001037 P 20100602
 20110330 EP26N + NO OPPOSITION FILED 20100603
 20110124
 20131031 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20110331
 DE: 20130709
 PAYMENT YEAR: 06
 20131129 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20131114
 GB: 20130719
 PAYMENT YEAR: 06
 20131231 EPPGFP + POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE 20131219
 IT: 20130711
 PAYMENT YEAR: 06
 20140109

 MEMBER 3

AN 37618244 INPAFAMDB ED 20090205 EW 200906 UW 201403
 DN 57921649
 SFN 38694904
 TI PROCEDE ET DISPOSITIF DE RECONNAISSANCE DE POSITION OU DE MOUVEMENT D' UN
 DISPOSITIF OU D' UN ETRE VIVANT.
 TL French
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE; GODIN CHRISTELLE
 PA COMMISSARIAT A L' ENERGIE ATOMIQUE ETABLISSEMENT PUBLIC A CARACTERE
 INDUSTRIEL ET COMMERCIAL
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI FR 2919406 A1 20090130 French
 PIT FRA1 APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM NO.
 20000000]
 DAV 20090130 examined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI FR 2007-56683 A 20070723
 AIO 0756683
 AIT FRA Patent application

PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAIT FRA Patent application
 REP WO 2005094676 A1 20051013 (SEA, pat, Cat: A)
 BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GUILLEMAUD
 REGIS, FR
 REXP XP008041999 (SEA, Cat: A)
 XP002315239 (SEA, Cat: AD)
 XP010573412 (SEA, Cat: A)
 REN (1) FAHRENBERG J ET AL: "ASSESSMENT OF POSTURE AND MOTION BY
 MULTICHANNEL PIEZORESISTIVE ACCELEROMETER RECORDINGS" PSYCHOPHYSIOLOGY,
 SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, US, vol. 34, no. 5, 1997, pages
 607-612, XP008041999 ISSN: 0048-5772 (SEA, Cat: A)
 (2) VELTINK P H ET AL: "Detection of static and dynamic activities using
 uniaxial accelerometers" IEEE TRANSACTIONS ON REHABILITATION ENGINEERING,
 IEEE INC. NEW YORK, US, vol. 4, no. 4, decembre 1996 (1996-12), pages
 375-385, XP002315239 ISSN: 1063-6528 (SEA, Cat: AD)
 (3) MARINS J L ET AL: "An extended kalman filter for quaternion-based
 orientation estimation using MARG sensors" PROCEEDINGS OF THE 2001
 IEEE/RSJ INTERNATIONAL CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS.
 (IROS 2001). MAUI, HAWAII, OCT. 29 - NOV. 3, 2001, IEEE/RSJ INTERNATIONAL
 CONFERENCE ON INTELLIGENT ROBOTS AND SYSTEMS, NEW YORK, NY : IEEE, US,
 vol. VOL. 1 OF 4, 29 octobre 2001 (2001-10-29), pages 2003-2011,
 XP010573412 ISBN: 0-7803-6612-3 (SEA, Cat: A)
 REC 4. THERE ARE 4 CITED REFERENCES (1 PATENT, 3 NON PATENT) AVAILABLE FOR
 THIS RECORD.
 IPCI G06K0009-00 [I,A]; A61B0005-11 [I,A]
 CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
 A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
 A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
 G06K0009-6807
 ABFR Ce procédé utilise deux jeux de capteurs pour estimer certaines
 caractéristiques du mouvement d'un dispositif ou d'un être
 vivant ou des états, notamment des postures, qu'ils prennent. Un
 premier jeu, abondant, de capteurs (1) est retiré après une
 phase d'apprentissage où il a enregistré avec sûreté
 les états obtenus en exploitant des premières règles de
 décision. Les mesures d'un second jeu de capteurs (2), beaucoup plus
 réduit que le premier, sont corrélées aux états
 atteints pendant l'apprentissage par des secondes règles de
 décision obtenues automatiquement en alimentant un classificateur.
 Elles sont ensuite exploitées pour déterminer les nouveaux
 états atteints par le porteur au moyen des seuls seconds capteurs.
 Les résultats sont bons malgré le petit nombre des seconds
 capteurs, grâce à la précision des secondes règles de
 décision.
 AL French
 AS national office
 AB The method involves applying a set of decision rules to position/movement
 measurements by two set of sensors e.g. gyrometers (14, 15), to classify
 events e.g. seated posture. A knowledge base is created to identify event
 classification and characteristics obtained from the measurements during
 a learning phase. Another set of rules is defined from the base to
 classify the events. One sensor set is removed and the other set is
 maintained on a pen or living organism i.e. patient. A position/movement
 of the pen/patient is classified during a recognizing phase by applying
 the latter rule set. An independent claim is also included for a position
 or movement recognizing device comprising a sensor.
 AL English
 AS transcript
 FA AB; ABFR; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS;
 PI; PIT; PRAI; REN; REP; REXP; TI
 AN 37618244 INPAFAMDB ED 20091029 EW 200944 UW 201403
 DN 57921649
 SFN 38694904
 TI PROCEDE ET DISPOSITIF DE RECONNAISSANCE DE POSITION OU DE MOUVEMENT D'UN
 DISPOSITIF OU D'UN ETRE VIVANT.

TL French
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE; GODIN CHRISTELLE
 PA COMMISSARIAT A L'ENERGIE ATOMIQUE ETABLISSEMENT PUBLIC A CARACTERE
 INDUSTRIEL ET COMMERCIAL
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI FR 2919406 B1 20091023
 PIT FRB1 PATENT OF INVENTION (SECOND PUBL.) [FROM NO. 2000000]
 DAV 20091023 printed-with-grant
 STA GRANTED
 AI FR 2007-56683 A 20070723
 AIO 0756683
 AIT FRA Patent application
 PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAIT FRA Patent application
 XPD 20270723
 IPCI G06K0009-00 [I,A]; A61B0005-11 [I,A]
 CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
 A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
 A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
 G06K0009-6807
 AB The method involves applying a set of decision rules to position/movement
 measurements by two set of sensors e.g. gyrometers (14, 15), to classify
 events e.g. seated posture. A knowledge base is created to identify event
 classification and characteristics obtained from the measurements during
 a learning phase. Another set of rules is defined from the base to
 classify the events. One sensor set is removed and the other set is
 maintained on a pen or living organism i.e. patient. A position/movement
 of the pen/patient is classified during a recognizing phase by applying
 the latter rule set. An independent claim is also included for a position
 or movement recognizing device comprising a sensor.
 AL English
 AS transcript
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; PA; PAS; PI; PIT;
 PRAI; TI; XPD

 MEMBER 4

AN 37618244 INPAFAMDB ED 20090212 EW 200907 UW 201403
 DN 58002192
 SFN 38694904
 TI METHOD AND DEVICE FOR THE RECOGNITION OF THE POSITION OR MOVEMENT OF A
 DEVICE OR A PERSON.
 TL English
 IN BONNET STEPHANE; GODIN CHRISTELLE
 INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
 PA COMMISSARIAT A L'ENERGIE ATOMIQUE
 PAS COMMISSARIAT ENERGIE ATOMIQUE, FR
 DT Patent
 PI US 20090030345 A1 20090129 English
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20090129 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI US 2008-178559 A 20080723
 AIO 12178559
 AIT USA Patent application
 PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
 PRAO 07 56683
 PRAIT FRA Patent application
 REP US 20020103610 A1 20020801 (PRS, pat)
 US GOVERNMENT, US
 US 6658287 B1 20031202 (PRS, pat)
 GEORGIA TECH RES INST, US
 US 6735467 B2 20040511 (PRS, pat)

PERSYST DEV CORP, US
US 6889129 B2 20050503 (PRS, pat)
DENSO CORP, JP
US 20080294315 A1 20081127 (PRS, pat)
INTELLIGENT TECH INT INC, US
US 20090062696 A1 20090305 (PRS, pat)
VAIDHI NATHAN
US 20090099627 A1 20090416 (PRS, pat)
MEDTRONIC INC, US
US 20100280574 A1 20101104 (PRS, pat)
MEDTRONIC INC, US
US 20100280579 A1 20101104 (PRS, pat)
MEDTRONIC INC, US
US 20110060252 A1 20110310 (PRS, pat)
KIERNAN MICHAEL NOEL; SIMONSEN HANNE; SIMONSEN JAN
US 20120029390 A1 20120202 (PRS, pat)
COLBORN JOHN, US
US 20120053491 A1 20120301 (PRS, pat)
GOPE CHANDAN, US; NATHAN ANOO, US; NATHAN VAIDHI, US; VAIDHI NATHAN,
US
US 8190251 B2 20120529 (PRS, pat)
CARLSON DAVID L, US; GIFTAKIS JONATHON E, US; MEDTRONIC INC, US;
MIESEL KEITH A, US; MIYAZAWA GABRIELA C, US; MOLNAR GREGORY F, US;
WERDER JONATHAN C, US
US 20120108998 A1 20120503 (PRS, pat)
DENISON TIMOTHY J, US; GILL STEVEN S, GB; LENT MARK S, US; MEDTRONIC
INC, US; MIESEL KEITH A, US; MOLNAR GREGORY F, US; PANKEN ERIC J, US;
WAHLSTRAND CARL D, US; WERDER JONATHAN C, US

REN (1) Becq et al. Collection and exploratory analysis of attitude sensor
data in an epilepsy monitoring unit", Proceedings of the 29th annual
international conference of IEEE EMBS, France, 2007, pp. 2775-2778. (PRS)
(2) Guillaume Becq, Stephane Bonnet, Lorella Minotti, Michel Antonakios,
Regis Guillemaud, Philippe Kahane, Classification of epileptic motor
manifestations using inertial and magnetic sensors, Computers in Biology
and Medicine, Volume 41, Issue 1, January 2011, Pages 46-55. (PRS)

REC 16. THERE ARE 16 CITED REFERENCES (14 PATENT, 2 NON PATENT) AVAILABLE FOR
THIS RECORD.

CGP US 20110105956 A1 20110505 [US20090030345A1 (PRS, pat)]
HIRTH VICTOR A
US 20110173831 A1 20110721 [US20090030345A1 (PRS, pat)]
CARITU YANIS; GODIN CHRISTELLE
US 20110235915 A1 20110929 [US20090030345A1 (PRS, pat)]
OKI ELECTRIC IND CO LTD, JP
US 20130046149 A1 20130221 [US20090030345A1 (PRS, pat)]
ACCENTURE GLOBAL SERVICES LTD, IE; GETTELMAN CRAIG A, US; POGULA
ANKUR, US; REIERSON BEN, US; WAN DADONG, US
US 8301575 B2 20121030 [US20090030345A1 (SEA, pat)]
BONNET STEPHANE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR; GODIN
CHRISTELLE, FR
US 8491504 B2 20130723 [US20090030345A1 (SEA, pat)]
HIRTH VICTOR A, US; UNIV SOUTH CAROLINA, US
US 8768071 B2 20140701 [US20090030345A1 (APP, pat)]
DARRELL TREVOR, US; FRITZ MARIO, DE; INTERNAT COMP SCIENCE INST, US;
TOYOTA ENG & MFG NORTH AMERICA, US; TSUCHINAGA MASAYOSHI, JP
US 8771206 B2 20140708 [US20090030345A1 (SEA, pat)]
ACCENTURE GLOBAL SERVICES LTD, IE; ERICKSON TERRIANNE, US; GETTELMAN
CRAIG A, US; POGULA ANKUR, US; REIERSON BEN, US; WAN DADONG, US
WO 2012106770 A1 20120816 [US20090030345A1 (ISR(AU), pat, Cat: X)]
DORSAVI PTY LTD, AU; RONCHI ANDREW JAMES, AU; RONCHI DANIEL MATTHEW,
AU; UMER MUHAMMAD, AU
WO 2012131171 A1 20121004 [US20090030345A1 (ISR(FI), pat, Cat: X)]
KAEAERIAE KATJA, FI; NIKKOLA ARI, FI; VIVAGO OY, FI

PNC G 10. THERE ARE 10 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC1 A61B0005-22 [I, A]

CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;

G06K0009-6807

NCL NCLM 600/587.000
INCL INCLM 600/587.000

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AL English
AS national office

FA AB; AI; AN; DAV; GGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

AN 37618244 INPAFAMDB ED 20121108 EW 201245 UP 20140227 UW 201409
DN 58002192
SFN 38694904
TI Method and device for the recognition of the position or movement of a device or a person.

TL English
IN BONNET STEPHANE; GODIN CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
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PAS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR; COMMISSARIAT ENERGIE ATOMIQUE, FR

DT Patent
PI US 8301575 B2 20121030 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]

DAV 20121030 printed-with-grant
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AIO 12178559
AIT USA Patent application
PRAI FR 2007-56683 A 20070723 (FRA, 20090205, Y)
PRAO 07 56683
PRAIT FRA Patent application
XPD 20280723
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COLBORN JOHN, US
US 20120053491 A1 20120301 (SEA, pat)
GOPE CHANDAN, US; NATHAN ANOO, US; NATHAN VAIDHI, US; VAIDHI NATHAN,
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US 20120108998 A1 20120503 (SEA, pat)
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WAHLSTRAND CARL D, US; WERDER JONATHAN C, US
WO 2005094676 A1 20051013 (APP, pat)
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REGIS, FR

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(2) Guillaume Becq, Stephane Bonnet, Lorella Minotti, Michel Antonakios,
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34, 1997, Cambridge University Press, pp. 607-612. (APP)
(4) International Search Report, Application No. 08159980.5, dated Aug.
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REC 22. THERE ARE 22 CITED REFERENCES (16 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.

CGP US 20110105956 A1 20110505 [US8301575B2 (PRS, pat)]
HIRTH VICTOR A
US 20110173831 A1 20110721 [US8301575B2 (PRS, pat)]
CARITU YANIS; GODIN CHRISTELLE
US 20130079983 A1 20130328 [US8301575B2 (PRS, pat)]
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US 8491504 B2 20130723 [US8301575B2 (SEA, pat)]
HIRTH VICTOR A, US; UNIV SOUTH CAROLINA, US
US 8712637 B2 20140429 [US8301575B2 (SEA, pat)]
BOSCH GMBH ROBERT, DE; EHLGEN TOBIAS, DE; SEPP WOLFGANG, DE

PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC1 G06F0015-18 [I, A]
CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;
A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;
A61B0005-6898; A61B0005-7264; A61B2560-0418; A61B2562-0219; G06K0009-228;
G06K0009-6807

INCL INCLM 706/012.000
INCLS 706/924.000; 600/545.000; 600/595.000

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learning phase where it records with certainty the states obtained by
interpreting first decisional rules. The measurements of a second set of
sensors (2), much more restricted than the first, are correlated to the
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AL English

AS national office
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL;
PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD
CHG INS A; IN A; PAS A; PA A

LEGAL STATUS

AN 37618244 INPAFAMDB

20090506 USAS

ASSIGNMENT

COMMISSARIAT A L'ENERGIE ATOMIQUE, FRANCE

ASSIGNMENT OF ASSIGNORS INTEREST:ASSIGNORS:BONNET,

STEPHANE;GODIN, CHRISTELLE;REEL/FRAME:022649/0042

20080627

CHG Change of Owner, Inventor, Applicant

.....20091015

1 priority, 4 applications, 7 publications (1 EPO simple family)

MAX02.P 表示形式

AN 37618244 INPAFAMDB ED 20121108 EW 201245 UP 20140227 UW 201409
DN 58002192
TI Method and device for the recognition of the position or movement of a
device or a person.
TL English
IN BONNET STEPHANE; GODIN CHRISTELLE
INS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR
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PAS BONNET STEPHANE, FR; GODIN CHRISTELLE, FR; COMMISSARIAT ENERGIE ATOMIQUE,
FR
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PUBLICATION [FROM 2001 ONWARDS]
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REC 22. THERE ARE 22 CITED REFERENCES (16 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.

CGP US 20110105956 A1 20110505 [US8301575B2 (PRS, pat)]

HIRTH VICTOR A

US 20110173831 A1 20110721 [US8301575B2 (PRS, pat)]

CARITU YANIS; GODIN CHRISTELLE

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EHLGEN TOBIAS, DE; SEPP WOLFGANG, DE

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US 8712637 B2 20140429 [US8301575B2 (SEA, pat)]

BOSCH GMBH ROBERT, DE; EHLGEN TOBIAS, DE; SEPP WOLFGANG, DE

PNC G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC1 G06F0015-18 [I, A]

CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;

A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;

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G06K0009-6807

INCL INCLM 706/012.000

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CHG INS A; IN A; PAS A; PA A

LEGAL STATUS

AN 37618244 INPAFAMDB

20090506 USAS

ASSIGNMENT

COMMISSARIAT A L'ENERGIE ATOMIQUE, FRANCE

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CHG Change of Owner, Inventor, Applicant

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1 priority, 4 applications, 7 publications (1 EPO simple family)

MAX02. U 表示形式

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CPC G06K0009-00342; A61B0005-1116; A61B0005-1123; A61B0005-4528;

A61B0005-6814; A61B0005-6823; A61B0005-6824; A61B0005-6828;

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INCL INCLM 706/012.000

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CHG INS A; IN A; PAS A; PA A

LEGAL STATUS

AN 37618244 INPAFAMDB

20090506 USAS

ASSIGNMENT

COMMISSARIAT A L'ENERGIE ATOMIQUE, FRANCE

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BONNET,

STEPHANE;GODIN, CHRISTELLE;REEL/FRAME:022649/0042

20080627

CHG Change of Owner, Inventor, Applicant

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1 priority, 4 applications, 7 publications (1 EPO simple family)

IMAX 表示形式

MEMBER 1

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070906 EW 200736 UW 201244

DOCUMENT NUMBER: 54747132

EPO SIMPLE FAMILY: 36096314

TITLE: veiculo de acionamento hibrido.

TITLE LANGUAGE: Portuguese

INVENTOR(S):
 NON-STANDARD: MASSIMO SEMINARA; MARCO RAIMONDI
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO

PATENT ASSIGNEE(S):
 NON-STANDARD: MAGNETI MARELLI POWERTRAIN SPA
 STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT

PATENT INFORMATION:

NUMBER	KIND	DATE
BR 2006004766	A	20070828

PATENT INFO. TYPE: BRA PATENT APPLICATION

DATE OF AVAILABILITY: 20070828 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: BR 2006-4766 A 20061101

APPL. INFO. TYPE: BRA Patent application

PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)

PRIO. APPL. INFO. TYPE: EPA Patent application

IPC RECLASSIFIED: B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

ABSTRACT (OTHER LANG.): VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.

ABSTRACT LANGUAGE: Portuguese

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB

20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
 NIF Lapses, Expiries, Withdrawals, Refusals
20120607

20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87)
 REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
 NIF Lapses, Expiries, Withdrawals, Refusals
20121018

MEMBER 2

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20071206 EW 200749 UW 201244
DOCUMENT NUMBER: 55273693
EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid-drive vehicle.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: SEMINARA MASSIMO, RAIMONDI MARCO
STANDARDIZED: MARCO SEMINARA MASSIMO RAIMOND, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:
NUMBER KIND DATE
CN 101011932 A 20070808
PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20070808 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2006-10138054 A 20061103
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
IPC RECLASSIFIED: B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
ABSTRACT (ENGLISH): A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB: AI: AN: DAV: CPC: DT: ED: EW: IN: INS: IPC: IPCR: PA: PAS: PI: PIT: PRAI: TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070808 CNC06 + PUBLICATION
.....20090514
20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090611
20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20110707

MEMBER 3

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070510 EW 200719 UW 201244
DOCUMENT NUMBER: 53092256

EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid angetriebenes Fahrzeug.
Hybrid-drive vehicle.
Vehicule a traction hybride.
TITLE LANGUAGE: German: English: French
INVENTOR(S):
NON-STANDARD.: SEMINARA, MASSIMO; RAIMONDI, MARCO
STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN S.P.A.
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1782988	A1	20070509 English

PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DATE OF AVAILABILITY: 20070509 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
LI LT LU LV MC NL PL PT RO SE SI SK TR
EXTENSION STATES:
R: AL BA HR MK YU
APPLICATION INFO.: EP 2005-425775 A 20051104
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
CITED PATENT REF.: US 6380640 B1 20020430 (SEA, pat, Cat: X)
TOYOTA MOTOR CO LTD, JP
US 20040236483 A1 20041125 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
FR 2809352 A1 20011130 (SEA, pat, Cat: A)
RENAULT, FR
FR 2809058 A1 20011123 (SEA, pat, Cat: A)
BIEL TIMOTHEE, FR
US 20030127262 A1 20030710 (SEA, pat, Cat: A)
US 5818116 A 19981006 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
CITED REFERENCE COUNT: 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD.
CITING PATENT REF.: DE 102006018624 A1 20071025 [EP1782988A1 (SEA,
pat)]
VOLKSWAGEN AG, DE
EP 2086781 A1 20090812 [EP1782988A1 (SEA,
pat, Cat: XP)]
BYD CO LTD, CN
FR 2930743 A1 20091106 [EP1782988A1 (SEA,
pat, Cat: A)]
RENAULT SAS, FR
IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA,
pat, Cat: X)]
MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO; MICRO
VETT SPA
IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA,
pat, Cat: Y)]
BELTRAME ANTONIO
WO 2013014510 A1 20130131 [EP1782988A1
(ISR(EP), pat, Cat: X)]
DI GIOIA GAETANO, IT; MECAPROM TECHNOLOGIES CORP
ITALIA SRL A SOCIO UNICO, IT; MICRO VETT SPA, IT;
REGIS FABRIZIO, IT
WO 2014090704 A1 20140619 [EP1782988A1
(ISR(EP), pat, Cat: I)]
JAGUAR LAND ROVER LTD, GB
CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD.
IPC RECLASSIFIED : B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

ABSTRACT (ENGLISH): A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.

ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: EPO
 FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20080118
 20081112 EP18D - DEEMED TO BE WITHDRAWN
 20080520
 NIF Lapses, Expiries, Withdrawals, Refusals
20081113

MEMBER 4

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070823 EW 200734 UP 20140227 UW 201409
 DOCUMENT NUMBER: 54222571
 EPO SIMPLE FAMILY: 36096314
 TITLE: HYBRID-DRIVE VEHICLE.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD: SEMINARA MASSIMO; RAIMONDI MARCO
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
 PATENT ASSIGNEE(S):
 NON-STANDARD: MAGNETI MARELLI POWERTRAIN SPA
 STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA
 PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2007182215	A	20070719

 PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]
 DATE OF AVAILABILITY: 20070719 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2006-297957 A 20061101

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)

PRIO. APPL. INFO. TYPE: EPA Patent application

CITED PATENT REF.: JP 2005117779 A 20050428 (SEA, pat)
 AISIN AW CO

JP 2000236602 A 20000829 (EXA, pat)
 NISSAN MOTOR

JP 2004123060 A 20040422 (EXA, pat)
 FUJI HEAVY IND LTD

JP 06144020 A 19940524 (EXA, pat)
 AQUEOUS RES KK

CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.

CITING PATENT REF.: JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
 PORSCHE AG

CITING PATENT NO. COUNT: 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.

IPC ORIGINAL : B60K0017-04 [I, A]; B60L0011-14 [I, A];
 B60W0010-02 [I, A]; B60W0010-06 [I, A];
 B60W0010-08 [I, A]; B60W0020-00 [I, A];
 F02N0011-04 [I, A]

IPC RECLASSIFIED : B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

FTERM CLASSIF.: 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23;
 3D039/AC24; 3D039/AC32; 3D039/AD02; 3D039/AD53;
 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
 3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23;
 5H115/PC06; 5H115/PG04; 5H115/PI16; 5H115/PI22;
 5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
 5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01;
 5H125/AC08; 5H125/AC12; 5H125/BA00; 5H125/BA04;
 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
 5H125/EE49; 5H125/EE52; 5H125/FF30

ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in efficiency and easily manufacturable at low cost. SOLUTION: This hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion engine 5 having a drive shaft 6; a first motor-generator 8 having a first shaft 7 connected mechanically to the drive shaft 6 of the combustion engine 5; a second motor-generator 11 having a second shaft 10; and a power unit 14 connected electrically to the two motor-generators 8, 11 and having a storage device 15. The first shaft 7 of the first motor-generator 8 is connected at one end to the drive shaft 6 of the combustion engine 5, and connected at the opposite end to the drive wheels 3 with a fixed, non-adjustable velocity ratio.
 COPYRIGHT: (C)2007, JPO&INPIT.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: PAJ

FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN;
 INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

UPDATE CHANGES: FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB

20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011

20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 JAPANESE INTERMEDIATE CODE: A131

20100914
20120517
 20110223 JPA02 - DECISION OF REFUSAL
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
20120419

 MEMBER 5

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070705 EW 200727 UW 201244
 DOCUMENT NUMBER: 53431740
 EPO SIMPLE FAMILY: 36096314
 TITLE: HYBRID-DRIVE VEHICLE.
 TITLE LANGUAGE: English
 INVENTOR(S) :
 NON-STANDARD : SEMINARA MASSIMO; RAIMONDI MARCO
 STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PATENT ASSIGNEE(S) :
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
 PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070137906	A1	20070621 English
USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY: 20070621 unexamined-printed-without-grant		
PATENT STATUS: PRE-GRANT PUBLICATION		
APPLICATION INFO. :	US 2006-556286	A 20061103
APPL. INFO. TYPE:	USA Patent application	
PRIORITY APPL. INFO. :	EP 2005-425775	A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE:	EPA Patent application	
CITING PATENT REF. :	JP 2009023646	A 20090205 [US20070137906A1 (EXA, pat)]
	PORSCHE AG	
US 20110040432	A1	20110217 [US20070137906A1 (PRS, pat)]
	ZAHNRADFABRIK FRIEDRICHSHAFEN	
US 20110301797	A1	20111208 [US20070137906A1 (PRS, pat)]
	JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE; STEURNAGEL FRANK, DE	
US 8688302	B2	20140401 [US20070137906A1 (APP, pat)]
	ANDREAE MORGAN, US; BOOKS MARTIN T, US; CUMMINS INC, US; DJAN-SAMPSON PATRICK, US; SUJAN VIVEK ANAND, US	

CITING PATENT NO. COUNT: 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC ORIGINAL : B60K0001-00 [I, A]
 IPC RECLASSIFIED : B60K0006-442 [I, A]
 CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
 USCLASS NCLM: 180/065.100
 USCLASS INCLM: 180/065.100
 ABSTRACT (ENGLISH): A hybrid-drive vehicle having a pair of drive wheels; a combustion engine having a drive shaft; a first electric motor-generator having a first shaft connected mechanically to the drive shaft of the combustion engine; a second electric motor-generator having a second shaft; and an electric power supply device connected electrically to the two electric motor-generators and having a storage device; the first shaft of the first electric motor-generator is connected at one end to the drive shaft of the

combustion engine, and is connected at the opposite end to the drive wheels with a fixed, non-adjustable velocity ratio.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS

ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129

CHG Change of Owner, Inventor, Applicant
.....20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

IMAX.M 表示形式

MEMBER 1

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070906 EW 200736 UW 201244
DOCUMENT NUMBER: 54747132
EPO SIMPLE FAMILY: 36096314
TITLE: veiculo de acionamento hibrido.
TITLE LANGUAGE: Portuguese
INVENTOR(S):
NON-STANDARD: MASSIMO SEMINARA; MARCO RAIMONDI
STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
PATENT ASSIGNEE(S):
NON-STANDARD: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:
NUMBER KIND DATE

BR 2006004766 A 20070828
PATENT INFO. TYPE: BRA PATENT APPLICATION
DATE OF AVAILABILITY: 20070828 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: BR 2006-4766 A 20061101
APPL. INFO. TYPE: BRA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
IPC RECLASSIFIED: B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
ABSTRACT (OTHER LANG.): VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de
acionamento hibrido (1) tendo um par de rodas de
acionamento (3); um motor de combustao (5) tendo um
eixo mecanico de acionamento (6); um primeiro gerador
de motor eletrico (8) tendo um primeiro eixo mecanico
(7) conectado mecanicamente ao eixo mecanico de
acionamento (6) do motor de combustao (5); um segundo
gerador de motor eletrico (11) tendo um segundo eixo
mecanico (10); e um dispositivo de suprimento de
energia eletrica (14) conectado eletricamente a dois
geradores de motor eletrico (8, 11), e tendo um
dispositivo de armazenamento (15); o primeiro eixo
mecanico (7) do gerador de motor eletrico (8) sendo
conectado em uma extremidade ao eixo mecanico (6) do
motor de combustao (5), e sendo conectado na
extremidade oposta as rodas de acionamento (3) com uma
razao de velocidade nao-ajustavel simples.
ABSTRACT LANGUAGE: Portuguese
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL
PROPERTY LAW
REFERENTE A 5A ANUIDADE.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607
20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS
BEEN FURNISHED TO INPI (ACC. ART. 87)
REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE
29/05/2012.
NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

MEMBER 2

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20071206 EW 200749 UW 201244
DOCUMENT NUMBER: 55273693
EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid-drive vehicle.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: SEMINARA MASSIMO, RAIMONDI MARCO
STANDARDIZED: MARCO SEMINARA MASSIMO RAIMOND, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:
NUMBER KIND DATE
CN 101011932 A 20070808
PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20070808 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2006-10138054 A 20061103
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
IPC RECLASSIFIED: B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
ABSTRACT (ENGLISH): A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB: AI: AN: DAV: CPC: DT: ED: EW: IN: INS: IPC: IPCR: PA: PAS: PI: PIT: PRAI: TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070808 CNC06 + PUBLICATION
.....20090514
20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090611
20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20110707

MEMBER 3

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070510 EW 200719 UW 201244
DOCUMENT NUMBER: 53092256

EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid angetriebenes Fahrzeug.
Hybrid-drive vehicle.
Vehicule a traction hybride.
TITLE LANGUAGE: German; English; French
INVENTOR(S):
NON-STANDARD.: SEMINARA, MASSIMO; RAIMONDI, MARCO
STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN S.P.A.
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1782988	A1	20070509 English

PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DATE OF AVAILABILITY: 20070509 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
LI LT LU LV MC NL PL PT RO SE SI SK TR
EXTENSION STATES:
R: AL BA HR MK YU
APPLICATION INFO.: EP 2005-425775 A 20051104
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
CITED PATENT REF.: US 6380640 B1 20020430 (SEA, pat, Cat: X)
TOYOTA MOTOR CO LTD, JP
US 20040236483 A1 20041125 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
FR 2809352 A1 20011130 (SEA, pat, Cat: A)
RENAULT, FR
FR 2809058 A1 20011123 (SEA, pat, Cat: A)
BIEL TIMOTHEE, FR
US 20030127262 A1 20030710 (SEA, pat, Cat: A)
US 5818116 A 19981006 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
CITED REFERENCE COUNT: 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD.
CITING PATENT REF.: DE 102006018624 A1 20071025 [EP1782988A1 (SEA,
pat)]
VOLKSWAGEN AG, DE
EP 2086781 A1 20090812 [EP1782988A1 (SEA,
pat, Cat: XP)]
BYD CO LTD, CN
FR 2930743 A1 20091106 [EP1782988A1 (SEA,
pat, Cat: A)]
RENAULT SAS, FR
IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA,
pat, Cat: X)]
MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO; MICRO
VETT SPA
IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA,
pat, Cat: Y)]
BELTRAME ANTONIO
WO 2013014510 A1 20130131 [EP1782988A1
(ISR(EP), pat, Cat: X)]
DI GIOIA GAETANO, IT; MECAPROM TECHNOLOGIES CORP
ITALIA SRL A SOCIO UNICO, IT; MICRO VETT SPA, IT;
REGIS FABRIZIO, IT
WO 2014090704 A1 20140619 [EP1782988A1
(ISR(EP), pat, Cat: I)]
JAGUAR LAND ROVER LTD, GB
CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD.
IPC RECLASSIFIED : B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

ABSTRACT (ENGLISH): A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.

ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: EPO
 FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
20080118
 20081112 EP18D - DEEMED TO BE WITHDRAWN
 20080520
 NIF Lapses, Expiries, Withdrawals, Refusals
20081113

MEMBER 4

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070823 EW 200734 UP 20140227 UW 201409
 DOCUMENT NUMBER: 54222571
 EPO SIMPLE FAMILY: 36096314
 TITLE: HYBRID-DRIVE VEHICLE.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD: SEMINARA MASSIMO; RAIMONDI MARCO
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
 PATENT ASSIGNEE(S):
 NON-STANDARD: MAGNETI MARELLI POWERTRAIN SPA
 STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA
 PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2007182215	A	20070719

 PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]
 DATE OF AVAILABILITY: 20070719 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2006-297957 A 20061101

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)

PRIO. APPL. INFO. TYPE: EPA Patent application

CITED PATENT REF.: JP 2005117779 A 20050428 (SEA, pat)
 AISIN AW CO

JP 2000236602 A 20000829 (EXA, pat)
 NISSAN MOTOR

JP 2004123060 A 20040422 (EXA, pat)
 FUJI HEAVY IND LTD

JP 06144020 A 19940524 (EXA, pat)
 AQUEOUS RES KK

CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.

CITING PATENT REF.: JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
 PORSCHE AG

CITING PATENT NO. COUNT: 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.

IPC ORIGINAL : B60K0017-04 [I, A]; B60L0011-14 [I, A];
 B60W0010-02 [I, A]; B60W0010-06 [I, A];
 B60W0010-08 [I, A]; B60W0020-00 [I, A];
 F02N0011-04 [I, A]

IPC RECLASSIFIED : B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

FTERM CLASSIF.: 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23;
 3D039/AC24; 3D039/AC32; 3D039/AD02; 3D039/AD53;
 3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
 3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23;
 5H115/PC06; 5H115/PG04; 5H115/PI16; 5H115/PI22;
 5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
 5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01;
 5H125/AC08; 5H125/AC12; 5H125/BA00; 5H125/BA04;
 5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
 5H125/EE49; 5H125/EE52; 5H125/FF30

ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in efficiency and easily manufacturable at low cost. SOLUTION: This hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion engine 5 having a drive shaft 6; a first motor-generator 8 having a first shaft 7 connected mechanically to the drive shaft 6 of the combustion engine 5; a second motor-generator 11 having a second shaft 10; and a power unit 14 connected electrically to the two motor-generators 8, 11 and having a storage device 15. The first shaft 7 of the first motor-generator 8 is connected at one end to the drive shaft 6 of the combustion engine 5, and connected at the opposite end to the drive wheels 3 with a fixed, non-adjustable velocity ratio.
 COPYRIGHT: (C)2007, JPO&INPIT.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: PAJ

FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN;
 INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

UPDATE CHANGES: FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB

20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011

20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 JAPANESE INTERMEDIATE CODE: A131

20100914
20120517
 20110223 JPA02 - DECISION OF REFUSAL
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
20120419

 MEMBER 5

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070705 EW 200727 UW 201244

DOCUMENT NUMBER: 53431740
 EPO SIMPLE FAMILY: 36096314
 TITLE: HYBRID-DRIVE VEHICLE.
 TITLE LANGUAGE: English
 INVENTOR(S) :
 NON-STANDARD : SEMINARA MASSIMO; RAIMONDI MARCO
 STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PATENT ASSIGNEE(S) :
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
 PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070137906	A1	20070621 English
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY: 20070621 unexamined-printed-without-grant		
PATENT STATUS: PRE-GRANT PUBLICATION		
APPLICATION INFO. :	US 2006-556286	A 20061103
APPL. INFO. TYPE:	USA Patent application	
PRIORITY APPL. INFO. :	EP 2005-425775	A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE:	EPA Patent application	
CITING PATENT REF. :	JP 2009023646	A 20090205 [US20070137906A1 (EXA, pat)]
	PORSCHE AG	
US 20110040432	A1	20110217 [US20070137906A1 (PRS, pat)]
	ZAHNRADFABRIK FRIEDRICHSHAFEN	
US 20110301797	A1	20111208 [US20070137906A1 (PRS, pat)]
	JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE; STEURNAGEL FRANK, DE	
US 8688302	B2	20140401 [US20070137906A1 (APP, pat)]
	ANDREAE MORGAN, US; BOOKS MARTIN T, US; CUMMINS INC, US; DJAN-SAMPSON PATRICK, US; SUJAN VIVEK ANAND, US	
CITING PATENT NO. COUNT:	4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.	
IPC ORIGINAL :	B60K0001-00	[I, A]
IPC RECLASSIFIED :	B60K0006-442	[I, A]
CPC CLASSIFICATION:	B60K0006-442; B60K0005-04; Y02T0010-6234	
USCLASS NCLM:	180/065.100	
USCLASS INCLM:	180/065.100	
ABSTRACT (ENGLISH) :	A hybrid-drive vehicle having a pair of drive wheels; a combustion engine having a drive shaft; a first electric motor-generator having a first shaft connected mechanically to the drive shaft of the combustion engine; a second electric motor-generator having a second shaft; and an electric power supply device connected electrically to the two electric motor-generators and having a storage device; the first shaft of the first electric motor-generator is connected at one end to the drive shaft of the	

combustion engine, and is connected at the opposite end to the drive wheels with a fixed, non-adjustable velocity ratio.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS

ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129

CHG Change of Owner, Inventor, Applicant
.....20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

IMAX.P 表示形式

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070906 EW 200736 UW 201244

DOCUMENT NUMBER: 54747132

TITLE: veiculo de acionamento hibrido.
 TITLE LANGUAGE: Portuguese

INVENTOR(S):
 NON-STANDARD.: MASSIMO SEMINARA; MARCO RAIMONDI
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO

PATENT ASSIGNEE(S):
 NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
 STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT

PATENT INFORMATION:

NUMBER	KIND	DATE
BR 2006004766	A	20070828

PATENT INFO. TYPE: BRA PATENT APPLICATION
 DATE OF AVAILABILITY: 20070828 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: BR 2006-4766 A 20061101
 APPL. INFO. TYPE: BRA Patent application
 PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
 PRIO. APPL. INFO. TYPE: EPA Patent application
 IPC RECLASSIFIED: B60K0006-442 [I, A]
 CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
 ABSTRACT (OTHER LANG.): VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.

ABSTRACT LANGUAGE: Portuguese
 ABSTRACT SOURCE: national office
 FIELD AVAILABILITY: ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.
 NIF Lapses, Expiries, Withdrawals, Refusals
20120607

20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.
 NIF Lapses, Expiries, Withdrawals, Refusals
20121018

1 priority, 5 applications, 5 publications (1 EPO simple family)

IMAX.U 表示形式

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070823 EW 200734 UP 20140227 UW 201409

DOCUMENT NUMBER: 54222571

TITLE: HYBRID-DRIVE VEHICLE.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: SEMINARA MASSIMO; RAIMONDI MARCO
STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO

PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2007182215	A	20070719

PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]

DATE OF AVAILABILITY: 20070719 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2006-297957 A 20061101

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)

PRIO. APPL. INFO. TYPE: EPA Patent application

CITED PATENT REF.: JP 2005117779 A 20050428 (SEA, pat)
AISIN AW CO

JP 2000236602 A 20000829 (EXA, pat)
NISSAN MOTOR

JP 2004123060 A 20040422 (EXA, pat)
FUJI HEAVY IND LTD

JP 06144020 A 19940524 (EXA, pat)
AQUEOUS RES KK

CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.

CITING PATENT REF.: JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
PORSCHE AG

CITING PATENT NO. COUNT: 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.

IPC ORIGINAL : B60K0017-04 [I, A]; B60L0011-14 [I, A];
B60W0010-02 [I, A]; B60W0010-06 [I, A];
B60W0010-08 [I, A]; B60W0020-00 [I, A];
F02N0011-04 [I, A]

IPC RECLASSIFIED : B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

FTERM CLASSIF.: 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23;
3D039/AC24; 3D039/AC32; 3D039/AD02; 3D039/AD53;
3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
3D202/CC42; 3D202/DD11; 3D202/EE02; 3D202/EE23;
5H115/PC06; 5H115/PG04; 5H115/PI16; 5H115/PI22;
5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01;
5H125/AC08; 5H125/AC12; 5H125/BA00; 5H125/BA04;
5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
5H125/EE49; 5H125/EE52; 5H125/FF30

ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in efficiency and easily manufacturable at low cost. SOLUTION: This hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion engine 5 having a drive shaft 6; a first motor-generator 8 having a first shaft 7 connected mechanically to the drive shaft 6 of the combustion engine 5; a second motor-generator 11 having a second shaft 10; and a power unit 14

connected electrically to the two motor-generators 8, 11 and having a storage device 15. The first shaft 7 of the first motor-generator 8 is connected at one end to the drive shaft 6 of the combustion engine 5, and connected at the opposite end to the drive wheels 3 with a fixed, non-adjustable velocity ratio.
COPYRIGHT: (C)2007, JPO&INPIT.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: PAJ
FIELD AVAILABILITY: AB: AI: AN: DAV: CGP: CHG: CPC: DT: ED: FTRM: EW: IN: INS: IPC: IPCI: IPCR: PA: PAS: PI: PIT: PRAI: REP: TI
UPDATE CHANGES: FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB
20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20091023
EXA Examination, Search Report
.....20121011
20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
JAPANESE INTERMEDIATE CODE: A131
20100914
.....20120517
20110223 JPA02 - DECISION OF REFUSAL
JAPANESE INTERMEDIATE CODE: A02
20110222
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120419

1 priority, 5 applications, 5 publications (1 EPO simple family)

IMAXG 表示形式

MEMBER 1

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070906 EW 200736 UW 201244

DOCUMENT NUMBER: 54747132

EPO SIMPLE FAMILY: 36096314

TITLE: veiculo de acionamento hibrido.

TITLE LANGUAGE: Portuguese

INVENTOR(S) :

NON-STANDARD. : MASSIMO SEMINARA; MARCO RAIMONDI

STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO

PATENT ASSIGNEE(S) :

NON-STANDARD. : MAGNETI MARELLI POWERTRAIN SPA

STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT

PATENT INFORMATION:

NUMBER	KIND	DATE
BR 2006004766	A	20070828

BR 2006004766 A 20070828

PATENT INFO. TYPE: BRA PATENT APPLICATION

DATE OF AVAILABILITY: 20070828 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO. : BR 2006-4766 A 20061101

APPL. INFO. TYPE: BRA Patent application

PRIORITY APPL. INFO. : EP 2005-425775 A 20051104 (EPA, 20070510, Y)

PRIO. APPL. INFO. TYPE: EPA Patent application

IPC RECLASSIFIED : B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

ABSTRACT (OTHER LANG.): VEICULO DE ACIONAMENTO HIBRIDO. Um veiculo de acionamento hibrido (1) tendo um par de rodas de acionamento (3); um motor de combustao (5) tendo um eixo mecanico de acionamento (6); um primeiro gerador de motor eletrico (8) tendo um primeiro eixo mecanico (7) conectado mecanicamente ao eixo mecanico de acionamento (6) do motor de combustao (5); um segundo gerador de motor eletrico (11) tendo um segundo eixo mecanico (10); e um dispositivo de suprimento de energia eletrica (14) conectado eletricamente a dois geradores de motor eletrico (8, 11), e tendo um dispositivo de armazenamento (15); o primeiro eixo mecanico (7) do gerador de motor eletrico (8) sendo conectado em uma extremidade ao eixo mecanico (6) do motor de combustao (5), e sendo conectado na extremidade oposta as rodas de acionamento (3) com uma razao de velocidade nao-ajustavel simples.

ABSTRACT LANGUAGE: Portuguese

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: ABOL; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB

20120529 BRB08F - APPLICATION FEES: DISMISSAL - ARTICLE 86 OF INDUSTRIAL PROPERTY LAW REFERENTE A 5A ANUIDADE.

NIF Lapses, Expiries, Withdrawals, Refusals
.....20120607

20121016 BRB08K - LAPSE AS NO EVIDENCE OF PAYMENT OF THE ANNUAL FEE HAS BEEN FURNISHED TO INPI (ACC. ART. 87) REFERENTE AO DESPACHO 8.6 PUBLICADO NA RPI 2160 DE 29/05/2012.

NIF Lapses, Expiries, Withdrawals, Refusals
.....20121018

MEMBER 2

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20071206 EW 200749 UW 201244
DOCUMENT NUMBER: 55273693
EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid-drive vehicle.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: SEMINARA MASSIMO, RAIMONDI MARCO
STANDARDIZED: MARCO SEMINARA MASSIMO RAIMOND, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:

	NUMBER	KIND	DATE
PATENT INFO. TYPE:	CN 101011932	A	20070808
DATE OF AVAILABILITY:	CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV. 20070808 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	CN 2006-10138054	A	20061103
APPL. INFO. TYPE:	CNA Patent application		
PRIORITY APPL. INFO.:	EP 2005-425775	A	20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE:	EPA Patent application		
IPC RECLASSIFIED :	B60K0006-442 [I.A]		
CPC CLASSIFICATION:	B60K0006-442; B60K0005-04; Y02T0010-6234		
ABSTRACT (ENGLISH):	A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.		
ABSTRACT LANGUAGE:	English		
ABSTRACT SOURCE:	national office		
FIELD AVAILABILITY:	AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI		

LEGAL STATUS

AN 35476683 INPAFAMDB
20070808 CNC06 + PUBLICATION
.....20090514
20081224 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090611
20110413 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20110707

MEMBER 3

ACCESSION NUMBER: 35476683 INPAFAMDB
ED 20070510 EW 200719 UW 201244
DOCUMENT NUMBER: 53092256

EPO SIMPLE FAMILY: 36096314
TITLE: Hybrid angetriebenes Fahrzeug.
Hybrid-drive vehicle.
Vehicule a traction hybride.
TITLE LANGUAGE: German: English: French
INVENTOR(S):
NON-STANDARD.: SEMINARA, MASSIMO; RAIMONDI, MARCO
STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN S.P.A.
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA, IT
PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1782988	A1	20070509 English

PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DATE OF AVAILABILITY: 20070509 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT
LI LT LU LV MC NL PL PT RO SE SI SK TR
EXTENSION STATES:
R: AL BA HR MK YU
APPLICATION INFO.: EP 2005-425775 A 20051104
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
CITED PATENT REF.:
US 6380640 B1 20020430 (SEA, pat, Cat: X)
TOYOTA MOTOR CO LTD, JP
US 20040236483 A1 20041125 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
FR 2809352 A1 20011130 (SEA, pat, Cat: A)
RENAULT, FR
FR 2809058 A1 20011123 (SEA, pat, Cat: A)
BIEL TIMOTHEE, FR
US 20030127262 A1 20030710 (SEA, pat, Cat: A)
US 5818116 A 19981006 (SEA, pat, Cat: A)
TOYOTA MOTOR CO LTD, JP
CITED REFERENCE COUNT: 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD.
CITING PATENT REF.:
DE 102006018624 A1 20071025 [EP1782988A1 (SEA,
pat)]
VOLKSWAGEN AG, DE
EP 2086781 A1 20090812 [EP1782988A1 (SEA,
pat, Cat: XP)]
BYD CO LTD, CN
FR 2930743 A1 20091106 [EP1782988A1 (SEA,
pat, Cat: A)]
RENAULT SAS, FR
IT 2011PD0252 A1 20130123 [EP1782988A1 (SEA,
pat, Cat: X)]
MECAPROM TECHNOLOGIES CORP I TALIA SRL A SO; MICRO
VETT SPA
IT 2012PD0075 A1 20130910 [EP1782988A1 (SEA,
pat, Cat: Y)]
BELTRAME ANTONIO
WO 2013014510 A1 20130131 [EP1782988A1
(ISR(EP), pat, Cat: X)]
DI GIOIA GAETANO, IT; MECAPROM TECHNOLOGIES CORP
ITALIA SRL A SOCIO UNICO, IT; MICRO VETT SPA, IT;
REGIS FABRIZIO, IT
WO 2014090704 A1 20140619 [EP1782988A1
(ISR(EP), pat, Cat: I)]
JAGUAR LAND ROVER LTD, GB
CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD.
IPC RECLASSIFIED : B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234

ABSTRACT (ENGLISH): A hybrid-drive vehicle (1) having a pair of drive wheels (3); a combustion engine (5) having a drive shaft (6); a first electric motor-generator (8) having a first shaft (7) connected mechanically to the drive shaft (6) of the combustion engine (5); a second electric motor-generator (11) having a second shaft (10); and an electric power supply device (14) connected electrically to the two electric motor-generators (8, 11) and having a storage device (15); the first shaft (7) of the first electric motor-generator (8) is connected at one end to the drive shaft (6) of the combustion engine (5), and is connected at the opposite end to the drive wheels (3) with a fixed, non-adjustable velocity ratio.

ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: EPO
 FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
 20070509 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
 20070510
 20070509 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL BA HR MK YU
 20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 20060921
 EXA Examination, Search Report
 20070510
 20080116 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI
 LT LU LV MC NL PL PT RO SE SI SK TR
 20080118
 20081112 EP18D - DEEMED TO BE WITHDRAWN
 20080520
 NIF Lapses, Expiries, Withdrawals, Refusals
 20081113

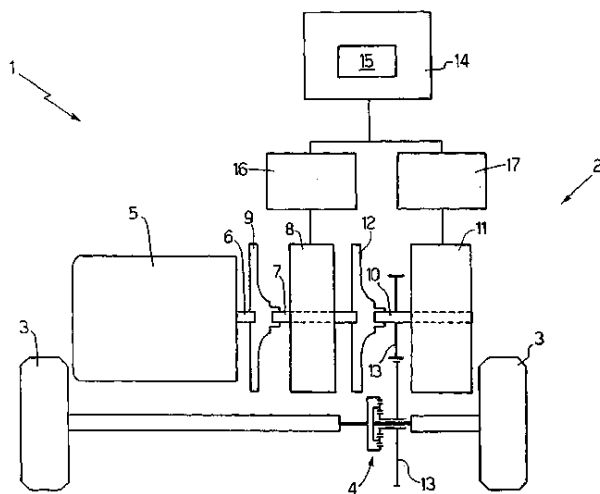


Fig.1

MEMBER 4

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070823 EW 200734 UP 20140227 UW 201409

DOCUMENT NUMBER: 54222571
EPO SIMPLE FAMILY: 36096314
TITLE: HYBRID-DRIVE VEHICLE.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: SEMINARA MASSIMO; RAIMONDI MARCO
STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
PATENT ASSIGNEE(S):
NON-STANDARD.: MAGNETI MARELLI POWERTRAIN SPA
STANDARDIZED: MAGNETI MARELLI POWERTRAIN SPA
PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2007182215	A	20070719

PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]

DATE OF AVAILABILITY: 20070719 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2006-297957 A 20061101
APPL. INFO. TYPE: JPA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
CITED PATENT REF.: JP 2005117779 A 20050428 (SEA, pat)
AISIN AW CO
JP 2000236602 A 20000829 (EXA, pat)
NISSAN MOTOR
JP 2004123060 A 20040422 (EXA, pat)
FUJI HEAVY IND LTD
JP 06144020 A 19940524 (EXA, pat)
AQUEOUS RES KK

CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.

CITING PATENT REF.: JP 2009023646 A 20090205 [JP2007182215A (EXA, pat)]
PORSCHE AG

CITING PATENT NO. COUNT: 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.

IPC ORIGINAL : B60K0017-04 [I, A]; B60L0011-14 [I, A];
B60W0010-02 [I, A]; B60W0010-06 [I, A];
B60W0010-08 [I, A]; B60W0020-00 [I, A];
F02N0011-04 [I, A]

IPC RECLASSIFIED : B60K0006-442 [I, A]

CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
FTERM CLASSIF.: 3D039/AA02; 3D039/AA04; 3D039/AB27; 3D039/AC23;
3D039/AC24; 3D039/AC32; 3D039/AD02; 3D039/AD53;
3D202/AA02; 3D202/BB12; 3D202/BB37; 3D202/CC03;
3D202/CG42; 3D202/DD11; 3D202/EE02; 3D202/EE23;
5H115/PC06; 5H115/PG04; 5H115/PI16; 5H115/PI22;
5H115/PO17; 5H115/PU01; 5H115/PU22; 5H115/PU24;
5H115/PU28; 5H115/QI04; 5H115/RB11; 5H125/AA01;
5H125/AC08; 5H125/AC12; 5H125/BA00; 5H125/BA04;
5H125/BE05; 5H125/CA02; 5H125/CA09; 5H125/EE27;
5H125/EE49; 5H125/EE52; 5H125/FF30

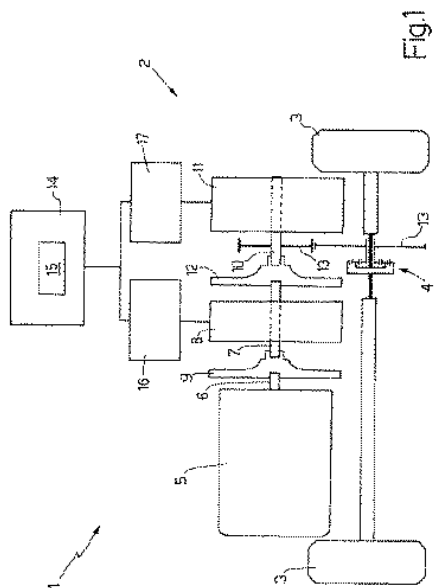
ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a hybrid-drive vehicle increased in efficiency and easily manufacturable at low cost. SOLUTION: This hybrid-drive vehicle comprises a pair of drive wheels 3; a combustion engine 5 having a drive shaft 6; a first motor-generator 8 having a first shaft 7 connected mechanically to the drive shaft 6 of the combustion engine 5; a second motor-generator 11 having a second shaft 10; and a power unit 14 connected electrically to the two motor-generators 8, 11 and having a storage device 15. The first shaft 7 of the first motor-generator 8 is connected at one end

to the drive shaft 6 of the combustion engine 5, and connected at the opposite end to the drive wheels 3 with a fixed, non-adjustable velocity ratio.
 COPYRIGHT: (C)2007, JPO&INPIT.

ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: PAJ
 FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FTRM; EW; IN; INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI
 UPDATE CHANGES: FCL C; FTRM C

LEGAL STATUS

AN 35476683 INPAFAMDB
 20091024 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20091023
 EXA Examination, Search Report
 20121011
 20100915 JPA131 - NOTIFICATION OF REASONS FOR REFUSAL
 JAPANESE INTERMEDIATE CODE: A131
 20100914
 20120517
 20110223 JPA02 - DECISION OF REFUSAL
 JAPANESE INTERMEDIATE CODE: A02
 20110222
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120419



MEMBER 5

ACCESSION NUMBER: 35476683 INPAFAMDB
 ED 20070705 EW 200727 UW 201244
 DOCUMENT NUMBER: 53431740
 EPO SIMPLE FAMILY: 36096314
 TITLE: HYBRID-DRIVE VEHICLE.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD: SEMINARA MASSIMO; RAIMONDI MARCO
 STANDARDIZED: SEMINARA MASSIMO, IT; RAIMONDI MARCO, IT
 PATENT ASSIGNEE(S):
 STANDARDIZED: SEMINARA MASSIMO; RAIMONDI MARCO
 PATENT INFORMATION:
 NUMBER KIND DATE

PATENT INFO. TYPE: US 20070137906 A1 20070621 English
USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
ONWARDS]
DATE OF AVAILABILITY: 20070621 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: US 2006-556286 A 20061103
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: EP 2005-425775 A 20051104 (EPA, 20070510, Y)
PRIO. APPL. INFO. TYPE: EPA Patent application
CITING PATENT REF.: JP 2009023646 A 20090205 [US20070137906A1
(EXA, pat)]
PORSCHE AG
US 20110040432 A1 20110217 [US20070137906A1
(PRS, pat)]
ZAHNRADFABRIK FRIEDRICHSHAFEN
US 20110301797 A1 20111208 [US20070137906A1
(PRS, pat)]
JUENEMANN THORSTEN, DE; MAASS ALEXANDER, DE;
STEUERNAGEL FRANK, DE
US 8688302 B2 20140401 [US20070137906A1
(APP, pat)]
ANDREAE MORGAN, US; BOOKS MARTIN T, US; CUMMINS
INC, US; DJAN-SAMPSON PATRICK, US; SUJAN VIVEK
ANAND, US

CITING PATENT NO. COUNT: 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD.

IPC ORIGINAL : B60K0001-00 [I, A]
IPC RECLASSIFIED : B60K0006-442 [I, A]
CPC CLASSIFICATION: B60K0006-442; B60K0005-04; Y02T0010-6234
USCLASS NCLM: 180/065.100
USCLASS INCLM: 180/065.100

ABSTRACT (ENGLISH): A hybrid-drive vehicle having a pair of drive wheels;
a combustion engine having a drive shaft; a first
electric motor-generator having a first shaft
connected mechanically to the drive shaft of the
combustion engine; a second electric motor-generator
having a second shaft; and an electric power supply
device connected electrically to the two electric
motor-generators and having a storage device; the
first shaft of the first electric motor-generator is
connected at one end to the drive shaft of the
combustion engine, and is connected at the opposite
end to the drive wheels with a fixed, non-adjustable
velocity ratio.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC;
IPCI; IPCR; LA; INCL; NCL; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 35476683 INPAFAMDB
20070205 USAS

ASSIGNMENT
MAGNETI MARELLI POWERTRAIN S.P.A., ITALY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:SEMINARA,
MASSIMO;REEL/FRAME:018852/0865
20070129

CHG Change of Owner, Inventor, Applicant
..... 20090219

1 priority, 5 applications, 5 publications (1 EPO simple family)

PATS 表示形式

PI	AT 496568T	T	20110215
PI	CN 1550199	A	20041201
PI	DE 602004031173	D1	20110310
PI	EP 1468638	A2	20041020
REP	US 2625698	A	19530120 (SEA, pat, Cat: X)
	DE 293744	C	(SEA, pat, Cat: X)
	CH 214883	A	19410531 (SEA, pat, Cat: A)
PI	EP 1468638	A3	20070829
PI	EP 1468638	B1	20110126
PI	US 20040205915	A1	20041021
PI	US 6912753	B2	20050705
REP	US 642172	A	19000130 (SEA, pat)
	US 1972870	A	19340911 (SEA, pat)
	US 2563189	A	19510807 (SEA, pat)
	US 2587038	A	19520226 (SEA, pat)
	US 2625698	A	19530120 (SEA, pat)
	US 2783487	A	19570305 (SEA, pat)
	US 3602932	A	19710907 (SEA, pat)
	US 3638267	A	19720201 (SEA, pat)
	US 4007508	A	19770215 (APP, pat)
	US 4823422	A	19890425 (APP, pat)
	US 5239721	A	19930831 (APP, pat)

PATS. M 表示形式

PI	AT 496568T	T	20110215
PI	CN 1550199	A	20041201
PI	DE 602004031173	D1	20110310
PI	EP 1468638	A2	20041020
REP	US 2625698	A	19530120 (SEA, pat, Cat: X)
	DE 293744	C	(SEA, pat, Cat: X)
	CH 214883	A	19410531 (SEA, pat, Cat: A)
PI	EP 1468638	A3	20070829
PI	EP 1468638	B1	20110126
PI	US 20040205915	A1	20041021
PI	US 6912753	B2	20050705
REP	US 642172	A	19000130 (SEA, pat)
	US 1972870	A	19340911 (SEA, pat)
	US 2563189	A	19510807 (SEA, pat)
	US 2587038	A	19520226 (SEA, pat)
	US 2625698	A	19530120 (SEA, pat)
	US 2783487	A	19570305 (SEA, pat)
	US 3602932	A	19710907 (SEA, pat)
	US 3638267	A	19720201 (SEA, pat)
	US 4007508	A	19770215 (APP, pat)
	US 4823422	A	19890425 (APP, pat)
	US 5239721	A	19930831 (APP, pat)

2 priorities, 5 applications, 8 publications (1 EPO simple family)

PI. PDF 表示形式

PI AT 496568T T 20110215
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=AT&NR=496568T&KC=T>

PI CN 1550199 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550199&KC=A>

PI DE 602004031173 D1 20110310
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=DE&NR=602004031173D&KC=D1>

PI EP 1468638 A2 20041020
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A2>

PI EP 1468638 A3 20070829
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A3>

PI EP 1468638 B1 20110126
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=B1>

PI US 20040205915 A1 20041021
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=2004205915&KC=A1>

PI US 6912753 B2 20050705
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=6912753&KC=B2>

PI. PDF. M 表示形式

PI AT 496568T T 20110215
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=AT&NR=496568T&KC=T>

PI CN 1550199 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550199&KC=A>

PI DE 602004031173 D1 20110310
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=DE&NR=602004031173D&KC=D1>

PI EP 1468638 A2 20041020
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A2>

PI EP 1468638 A3 20070829
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A3>

PI EP 1468638 B1 20110126
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=B1>

PI US 20040205915 A1 20041021
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=2004205915&KC=A1>

PI US 6912753 B2 20050705
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=6912753&KC=B2>

2 priorities, 5 applications, 8 publications (1 EPO simple family)

PI. PDF. P 表示形式

PI DE 602004031173 D1 20110310
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=DE&NR=602004031173D&KC=D1>

2 priorities, 5 applications, 8 publications (1 EPO simple family)

PI. PDF. U 表示形式

PI AT 496568T T 20110215
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=AT&NR=496568T&KC=T>

PI CN 1550199 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550199&KC=A>

PI DE 602004031173 D1 20110310
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=DE&NR=602004031173D&KC=D1>

PI EP 1468638 A2 20041020
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A2>

PI EP 1468638 A3 20070829
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=A3>

PI EP 1468638 B1 20110126
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=EP&NR=1468638&KC=B1>

PI US 20040205915 A1 20041021
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=20040205915&KC=A1>

PI US 6912753 B2 20050705
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=6912753&KC=B2>

2 priorities, 5 applications, 8 publications (1 EPO simple family)

PILS 表示形式

PI CN 1506347 A 20040623

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040623 CNC06 + PUBLICATION
 20090604
 20060208 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
 20090604
 20070718 CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
 LANXESS DEUTSCHLAND GMBH
 FORMER OWNER: BAYER CHEMICALS AG
 20070615
 CHG Change of Owner, Inventor, Applicant
 20101014
 20070718 CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT
 RIGHT
 CHG Change of Owner, Inventor, Applicant
 20090604
 20090506 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
 20090813

PI DE 10257357 A1 20040624

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040916 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
 BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE
 CHG Change of Owner, Inventor, Applicant
 20051013 DE8139 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
 NIF Lapses, Expiries, Withdrawals, Refusals

PI EP 1428814 A1 20040616

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040616 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20040616 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL LT LV MK
 20050209 EP17P + REQUEST FOR EXAMINATION FILED
 20041216
 EXA Examination, Search Report
 20050309 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 LANXESS DEUTSCHLAND GMBH
 CHG Change of Owner, Inventor, Applicant
 20060809 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 SALTIGO GMBH
 CHG Change of Owner, Inventor, Applicant
 20070919 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 SALTIGO GMBH
 CHG Change of Owner, Inventor, Applicant
 20080619
 20081126 EP18D - DEEMED TO BE WITHDRAWN
 20080602
 NIF Lapses, Expiries, Withdrawals, Refusals
 20081127

PI JP 2004189741 A 20040708

LEGAL STATUS

AN 13516150 INPAFAMDB
20060909 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20060908
EXA Examination, Search Report
..... 20130912
20070518 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
JAPANESE INTERMEDIATE CODE: A761
20070517
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20130613

PI US 20040133043 A1 20040708
PI US 6903239 B2 20050607

LEGAL STATUS

AN 13516150 INPAFAMDB
20040305 USAS ASSIGNMENT
BAYER CHEMICALS AG, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER,
KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING
DATES FROM 20040106 TO 20040118
CHG Change of Owner, Inventor, Applicant
..... 20090312
20061030 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
AG;REEL/FRAME:018454/0850
20061025
CHG Change of Owner, Inventor, Applicant
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20061101 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
AG;REEL/FRAME:018463/0687
20061025
CHG Change of Owner, Inventor, Applicant
..... 20090514
20081215 USREMI MAINTENANCE FEE REMINDER MAILED
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20090607 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20110428
20090728 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20090730

1 priority, 5 applications, 6 publications (1 EPO simple family)

PILS.M 表示形式

PI CN 1506347 A 20040623

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040623 CNC06 + PUBLICATION
 20090604
 20060208 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
 20090604
 20070718 CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
 LANXESS DEUTSCHLAND GMBH
 FORMER OWNER: BAYER CHEMICALS AG
 20070615
 CHG Change of Owner, Inventor, Applicant
 20101014
 20070718 CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT
 RIGHT
 CHG Change of Owner, Inventor, Applicant
 20090604
 20090506 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
 20090813

PI DE 10257357 A1 20040624

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040916 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
 BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE
 CHG Change of Owner, Inventor, Applicant
 20051013 DE8139 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
 NIF Lapses, Expiries, Withdrawals, Refusals

PI EP 1428814 A1 20040616

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040616 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20040616 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL LT LV MK
 20050209 EP17P + REQUEST FOR EXAMINATION FILED
 20041216
 EXA Examination, Search Report
 20050309 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 LANXESS DEUTSCHLAND GMBH
 CHG Change of Owner, Inventor, Applicant
 20060809 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 SALTIGO GMBH
 CHG Change of Owner, Inventor, Applicant
 20070919 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 SALTIGO GMBH
 CHG Change of Owner, Inventor, Applicant
 20080619
 20081126 EP18D - DEEMED TO BE WITHDRAWN
 20080602
 NIF Lapses, Expiries, Withdrawals, Refusals
 20081127

PI JP 2004189741 A 20040708

LEGAL STATUS

AN 13516150 INPAFAMDB
20060909 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20060908
EXA Examination, Search Report
..... 20130912
20070518 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
JAPANESE INTERMEDIATE CODE: A761
20070517
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20130613

PI US 20040133043 A1 20040708
PI US 6903239 B2 20050607

LEGAL STATUS

AN 13516150 INPAFAMDB
20040305 USAS ASSIGNMENT
BAYER CHEMICALS AG, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER,
KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING
DATES FROM 20040106 TO 20040118
CHG Change of Owner, Inventor, Applicant
..... 20090312
20061030 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
AG;REEL/FRAME:018454/0850
20061025
CHG Change of Owner, Inventor, Applicant
..... 20090219
20061101 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
AG;REEL/FRAME:018463/0687
20061025
CHG Change of Owner, Inventor, Applicant
..... 20090514
20081215 USREMI MAINTENANCE FEE REMINDER MAILED
..... 20110428
20090607 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20110428
20090728 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20090730

1 priority, 5 applications, 6 publications (1 EPO simple family)

PIRE 表示形式

PI DE 602005002837 D1 20071122
 PI DE 602005002837 T2 20080703

PI EP 1738220 A1 20070103
 REN (1) See references of WO 2005111711A1 (SEA)
 REC 1. THERE IS 1 CITED REFERENCE (0 PATENT, 1 NON PATENT) AVAILABLE FOR THIS RECORD.

PI EP 1738220 B1 20071010
 PI EP 1738220 B9 20080220

PI FR 2869118 A1 20051021

REXP XP002309981 (SEA, Cat: A)
 XP002309982 (SEA, Cat: A)
 XP000209754 (SEA, Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 (SEA, Cat: A)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (SEA, Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (SEA, Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

PI FR 2869118 B1 20060609

PI US 20070223083 A1 20070927
 PI US 7349149 B2 20080325
 REP US 6751010 B1 20040615 (SEA, pat)
 ITT MFG ENTERPRISES INC, US
 US 6980354 B1 20051227 (SEA, pat)
 SANDIA CORP, US

REN (1) IEEE Journal of Quantum Electronics, Bjorkholm J E et al., Improvement of Optical Parametric Oscillators by Nonresonant Pump Reflection, vol. QE-6, No. 12. Dec. 1970, pp. 797-799. (APP)
 (2) IEEE Journal Of Quantum Electronics, Colucci G et al., Analysis of Integrated Optics Parametric Oscillators, vol. 28, No. 3, Mar. 1992, pp. 729-738. (APP)
 (3) Applied Physics-Letters, Yunping Wang et al., Highly efficient visible and infrared B-BaB204 optical parametric oscillator with pump reflection, 58(Apr. 8, 1991), No. 14, New York, US, pp. 1461-1463. (APP)

REC 5. THERE ARE 5 CITED REFERENCES (2 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

PI WO 2005111711 A1 20051124

REXP XP002309981 (ISR(EP), Cat: AD)
 XP002309982 (ISR(EP), Cat: A)
 XP000209754 (ISR(EP), Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 cite dans la demande (ISR(EP), Cat: AD)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (ISR(EP), Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951

(ISR(EP), Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

2 priorities, 5 applications, 10 publications (1 EPO simple family)

PIRE. M 表示形式

PI DE 602005002837 D1 20071122
 PI DE 602005002837 T2 20080703

PI EP 1738220 A1 20070103
 REN (1) See references of WO 2005111711A1 (SEA)
 REC 1. THERE IS 1 CITED REFERENCE (0 PATENT, 1 NON PATENT) AVAILABLE FOR THIS RECORD.

PI EP 1738220 B1 20071010
 PI EP 1738220 B9 20080220

PI FR 2869118 A1 20051021
 REXP XP002309981 (SEA, Cat: A)
 XP002309982 (SEA, Cat: A)
 XP000209754 (SEA, Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 (SEA, Cat: A)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (SEA, Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (SEA, Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

PI FR 2869118 B1 20060609

PI US 20070223083 A1 20070927
 PI US 7349149 B2 20080325
 REP US 6751010 B1 20040615 (SEA, pat)
 ITT MFG ENTERPRISES INC, US
 US 6980354 B1 20051227 (SEA, pat)
 SANDIA CORP, US

REN (1) IEEE Journal of Quantum Electronics, Bjorkholm J E et al., Improvement of Optical Parametric Oscillators by Nonresonant Pump Reflection, vol. QE-6, No. 12. Dec. 1970, pp. 797-799. (APP)
 (2) IEEE Journal Of Quantum Electronics, Colucci G et al., Analysis of Integrated Optics Parametric Oscillators, vol. 28, No. 3, Mar. 1992, pp. 729-738. (APP)
 (3) Applied Physics-Letters, Yunping Wang et al., Highly efficient visible and infrared B-BaB204 optical parametric oscillator with pump reflection, 58(Apr. 8, 1991), No. 14, New York, US, pp. 1461-1463. (APP)

REC 5. THERE ARE 5 CITED REFERENCES (2 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

PI WO 2005111711 A1 20051124
 REXP XP002309981 (ISR(EP), Cat: AD)
 XP002309982 (ISR(EP), Cat: A)
 XP000209754 (ISR(EP), Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 cite dans la demande (ISR(EP), Cat: AD)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (ISR(EP), Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951

(ISR(EP), Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

2 priorities, 5 applications, 10 publications (1 EPO simple family)

PICITN 表示形式

PI DE 602005002837 D1 20071122
 PI DE 602005002837 T2 20080703

PI EP 1738220 A1 20070103
 REN (1) See references of WO 2005111711A1 (SEA)
 REC 1. THERE IS 1 CITED REFERENCE (0 PATENT, 1 NON PATENT) AVAILABLE FOR THIS RECORD.

PI EP 1738220 B1 20071010
 PI EP 1738220 B9 20080220

PI FR 2869118 A1 20051021
 REXP XP002309981 (SEA, Cat: A)
 XP002309982 (SEA, Cat: A)
 XP000209754 (SEA, Cat: A)
 REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 (SEA, Cat: A)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (SEA, Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (SEA, Cat: A)
 REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

CGP US 8279517 B2 20121002 [FR2869118A1 (APP, pat)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR
 WO 2008000773 A1 20080103 [FR2869118A1 (ISR(EP), pat, Cat: AD)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR

PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 PI FR 2869118 B1 20060609

PI US 20070223083 A1 20070927
 CGP US 20100226003 A1 20100909 [US20070223083A1 (PRS, pat)]
 GODARD ANTOINE; LEFEBVRE MICHEL; MOHAMED AJMAL
 US 8279517 B2 20121002 [US20070223083A1 (SEA, pat)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR
 US 8442090 B1 20130514 [US20070223083A1 (SEA, pat)]
 BROWDER MARK K, US; LOCKHEED CORP, US; MIESAK EDWARD, US; PERRYMAN G PAUL, US; WOOD JAMES RICHARD, US

PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 PI US 7349149 B2 20080325
 REP US 6751010 B1 20040615 (SEA, pat)
 ITT MFG ENTERPRISES INC, US
 US 6980354 B1 20051227 (SEA, pat)
 SANDIA CORP, US

REN (1) IEEE Journal of Quantum Electronics, Bjorkholm J E et al., Improvement of Optical Parametric Oscillators by Nonresonant Pump Reflection, vol. QE-6, No. 12, Dec. 1970, pp. 797-799. (APP)
 (2) IEEE Journal Of Quantum Electronics, Colucci G et al., Analysis of Integrated Optics Parametric Oscillators, vol. 28, No. 3, Mar. 1992, pp. 729-738. (APP)
 (3) Applied Physics-Letters, Yunping Wang et al., Highly efficient visible and infrared B-BaB204 optical parametric oscillator with pump reflection, 58(Apr. 8, 1991), No. 14, New York, US, pp. 1461-1463. (APP)

REC 5. THERE ARE 5 CITED REFERENCES (2 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.
 CGP US 20120262779 A1 20121018 [US7349149B2 (PRS, pat)]

GODARD ANTOINE, FR; HARDY BERTRAND, FR; LEFEBVRE MICHEL, FR; RAYBAUT MYRIAM, FR

US 7630125 B2 20091208 [US7349149B2 (SEA, pat)]
YOUNG OPTICS INC, TW

US 8542435 B2 20130924 [US7349149B2 (SEA, pat)]
GODARD ANTOINE, FR; HARDY BERTRAND, FR; LEFEBVRE MICHEL, FR; ONERA (OFF NAT AEROSPATIALE), FR; RAYBAUT MYRIAM, FR

PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

PI WO 2005111711 A1 20051124

REXP XP002309981 (ISR(EP), Cat: AD)

XP002309982 (ISR(EP), Cat: A)

XP000209754 (ISR(EP), Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 cite dans la demande (ISR(EP), Cat: AD)

(2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (ISR(EP), Cat: A)

(3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (ISR(EP), Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

2 priorities, 5 applications, 10 publications (1 EPO simple family)

PICITN.M 表示形式

PI DE 602005002837 D1 20071122
 PI DE 602005002837 T2 20080703

PI EP 1738220 A1 20070103
 REN (1) See references of WO 2005111711A1 (SEA)
 REC 1. THERE IS 1 CITED REFERENCE (0 PATENT, 1 NON PATENT) AVAILABLE FOR THIS RECORD.

PI EP 1738220 B1 20071010
 PI EP 1738220 B9 20080220

PI FR 2869118 A1 20051021
 REXP XP002309981 (SEA, Cat: A)
 XP002309982 (SEA, Cat: A)
 XP000209754 (SEA, Cat: A)
 REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 (SEA, Cat: A)
 (2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (SEA, Cat: A)
 (3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (SEA, Cat: A)
 REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

CGP US 8279517 B2 20121002 [FR2869118A1 (APP, pat)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR
 WO 2008000773 A1 20080103 [FR2869118A1 (ISR(EP), pat, Cat: AD)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR

PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 PI FR 2869118 B1 20060609

PI US 20070223083 A1 20070927
 CGP US 20100226003 A1 20100909 [US20070223083A1 (PRS, pat)]
 GODARD ANTOINE; LEFEBVRE MICHEL; MOHAMED AJMAL
 US 8279517 B2 20121002 [US20070223083A1 (SEA, pat)]
 GODARD ANTOINE, FR; LEFEBVRE MICHEL, FR; MOHAMED AJMAL, FR; ONERA (OFF NAT AEROSPATIALE), FR
 US 8442090 B1 20130514 [US20070223083A1 (SEA, pat)]
 BROWDER MARK K, US; LOCKHEED CORP, US; MIESAK EDWARD, US; PERRYMAN G PAUL, US; WOOD JAMES RICHARD, US

PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 PI US 7349149 B2 20080325
 REP US 6751010 B1 20040615 (SEA, pat)
 ITT MFG ENTERPRISES INC, US
 US 6980354 B1 20051227 (SEA, pat)
 SANDIA CORP, US

REN (1) IEEE Journal of Quantum Electronics, Bjorkholm J E et al., Improvement of Optical Parametric Oscillators by Nonresonant Pump Reflection, vol. QE-6, No. 12, Dec. 1970, pp. 797-799. (APP)
 (2) IEEE Journal Of Quantum Electronics, Colucci G et al., Analysis of Integrated Optics Parametric Oscillators, vol. 28, No. 3, Mar. 1992, pp. 729-738. (APP)
 (3) Applied Physics-Letters, Yunping Wang et al., Highly efficient visible and infrared B-BaB204 optical parametric oscillator with pump reflection, 58(Apr. 8, 1991), No. 14, New York, US, pp. 1461-1463. (APP)

REC 5. THERE ARE 5 CITED REFERENCES (2 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.
 CGP US 20120262779 A1 20121018 [US7349149B2 (PRS, pat)]

GODARD ANTOINE, FR; HARDY BERTRAND, FR; LEFEBVRE MICHEL, FR; RAYBAUT MYRIAM, FR

US 7630125 B2 20091208 [US7349149B2 (SEA, pat)]
YOUNG OPTICS INC, TW

US 8542435 B2 20130924 [US7349149B2 (SEA, pat)]
GODARD ANTOINE, FR; HARDY BERTRAND, FR; LEFEBVRE MICHEL, FR; ONERA (OFF NAT AEROSPATIALE), FR; RAYBAUT MYRIAM, FR

PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

PI WO 2005111711 A1 20051124

REXP XP002309981 (ISR(EP), Cat: AD)

XP002309982 (ISR(EP), Cat: A)

XP000209754 (ISR(EP), Cat: A)

REN (1) BJORKHOLM J E ET AL: "Improvement of optical parametric oscillators by nonresonant pump reflection" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. QE-6, no. 12, 1 decembre 1970 (1970-12-01), pages 797-799, XP002309981 ISSN: 0018-9197 cite dans la demande (ISR(EP), Cat: AD)

(2) COLUCCI G ET AL: "Analysis of integrated optics parametric oscillators" IEEE JOURNAL OF QUANTUM ELECTRONICS USA, vol. 28, no. 3, 1 mars 1992 (1992-03-01), pages 729-738, XP002309982 ISSN: 0018-9197 (ISR(EP), Cat: A)

(3) YUNPING WANG ET AL: "HIGHLY EFFICIENT VISIBLE AND INFRARED B-BAB204 OPTICAL PARAMETRIC OSCILLATOR WITH PUMP REFLECTION" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS, NEW YORK, US, vol. 58, no. 14, 8 avril 1991 (1991-04-08), pages 1461-1463, XP000209754 ISSN: 0003-6951 (ISR(EP), Cat: A)

REC 3. THERE ARE 3 CITED REFERENCES (0 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD.

2 priorities, 5 applications, 10 publications (1 EPO simple family)

TIPI 表示形式

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
PI DE 602005002837 D1 20071122

TI OR MIT ANGEPASSTEM PUMPEN-RECYCLING.
PI DE 602005002837 T2 20080703

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 A1 20070103

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 B1 20071010

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 B9 20080220

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI FR 2869118 A1 20051021

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI FR 2869118 B1 20060609

TI Doubly-Resonant Optical Parametric Oscillator with Corresponding Pump
Recycling.
PI US 20070223083 A1 20070927

TI Doubly-resonant optical parametric oscillator with corresponding pump
recycling.
PI US 7349149 B2 20080325

TI DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH CORRESPONDING PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI WO 2005111711 A1 20051124

2 priorities, 5 applications, 10 publications (1 EPO simple family)

TIPI.M 表示形式

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
PI DE 602005002837 D1 20071122

TI OR MIT ANGEPASSTEM PUMPEN-RECYCLING.
PI DE 602005002837 T2 20080703

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 A1 20070103

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 B1 20071010

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI EP 1738220 B9 20080220

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI FR 2869118 A1 20051021

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI FR 2869118 B1 20060609

TI Doubly-Resonant Optical Parametric Oscillator with Corresponding Pump
Recycling.
PI US 20070223083 A1 20070927

TI Doubly-resonant optical parametric oscillator with corresponding pump
recycling.
PI US 7349149 B2 20080325

TI DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH CORRESPONDING PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.
PI WO 2005111711 A1 20051124

TIPI.P 表示形式

TI OR MIT ANGEPASSTEM PUMPEN-RECYCLING.
PI DE 602005002837 T2 20080703

2 priorities, 5 applications, 10 publications (1 EPO simple family)

TIPI.U 表示形式

TI OR MIT ANGEPASSTEM PUMPEN-RECYCLING.
PI DE 602005002837 T2 20080703

2 priorities, 5 applications, 10 publications (1 EPO simple family)

SCAN 表示形式

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.

TI OR MIT ANGEPASSTEM PUMPEN-RECYCLING.

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

TI DOPPELRESONANTER OPTISCHER PARAMETRISCHER OSZILLATOR MIT ANGEPASSTEM
PUMPEN-RECYCLING.
DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH ADAPTED PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

TI OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

TI Doubly-Resonant Optical Parametric Oscillator with Corresponding Pump
Recycling.

TI Doubly-resonant optical parametric oscillator with corresponding pump
recycling.

TI DOUBLY-RESONANT OPTICAL PARAMETRIC OSCILLATOR WITH CORRESPONDING PUMP
RECYCLING.
OSCILLATEUR PARAMETRIQUE OPTIQUE DOUBLEMENT RESONNANT A RETOUR DE POMPE
ADAPTE.

STD 表示形式

AN 36316384 INPAFAMDB EDF 20080118 EWF 200803 UPFB 20130919 UWF 201338
TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
- ELECTROPHORETIC DISPLAY MEDIUM.
INS NAVEEN CHOPRA, US; BARKEV KEOSHKERIAN, US; CHOPRA NAVEEN; KEOSHKERIAN
BARKEV; KAZMAIER PETER M; CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA;
KAZMAIER PETER M, CA
PAS XEROX CORP, US
- XEROX CORP
PI CN 101093337 A 20071226
JP 2008003600 A 20080110
US 20070297038 A1 20071227
US 7349147 B2 20080325
AI CN 2007-10126218 A 20070622
JP 2007-162162 A 20070620
US 2006-426184 A 20060623
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
REC 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IPC1 G02F0001-167 [I, A]; G02F0001-17 [I, A]; G02B0026-00 [I, A];
G03G0017-04 [I, A]; G09G0003-34 [I, A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
NCLS 345/107.000; 430/032.000
INCL INCLM 359/296.000
INCLS 345/107.000; 430/032.000
FCL G02F0001-167; G02F0001-17
FTRM 2K101/AA04; 2K101/BB23; 2K101/BB34; 2K101/BB39; 2K101/BB43; 2K101/BB44;
2K101/BB54; 2K101/BB58; 2K101/BB96; 2K101/BB97; 2K101/BC02; 2K101/BC12;
2K101/BC27; 2K101/BC28; 2K101/BC30; 2K101/BC41; 2K101/BD61; 2K101/BD72;
2K101/BE07; 2K101/BE26; 2K101/BE27; 2K101/BE32; 2K101/BE41; 2K101/BE71;
2K101/BF02; 2K101/BF03; 2K101/BF53; 2K101/BF61; 2K101/EA02; 2K101/EB23;
2K101/ED25; 2K101/EE02; 2K101/EG26; 2K101/EG27; 2K101/EG45

1 priority, 3 applications, 4 publications (1 EPO simple family)

STD. M 表示形式

MEMBER 1

AN 36316384 INPAFAMDB ED 20080214 EW 200807 UP 20081113 UW 200846
DN 55718392
TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV
INS NAVEEN CHOPRA, US; BARKEV KEOSHKERIAN, US
PA XEROX CORP.
PAS XEROX CORP, US
DT Patent
PI CN 101093337 A 20071226 English
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20071226 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2007-10126218 A 20070622
AIT CNA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
IPC1 G02F0001-167 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022

MEMBER 2

AN 36316384 INPAFAMDB ED 20080225 EW 200808 UP 20130919 UW 201338
DN 55788635
TI ELECTROPHORETIC DISPLAY MEDIUM.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
INS CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2008003600 A 20080110
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20080110 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2007-162162 A 20070620
AIT JPA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPC1 G02F0001-167 [I,A]; G02F0001-17 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
FCL G02F0001-167; G02F0001-17
FTRM 2K101/AA04; 2K101/BB23; 2K101/BB34; 2K101/BB39; 2K101/BB43; 2K101/BB44;
2K101/BB54; 2K101/BB58; 2K101/BB96; 2K101/BB97; 2K101/BC02; 2K101/BC12;
2K101/BC27; 2K101/BC28; 2K101/BC30; 2K101/BC41; 2K101/BD61; 2K101/BD72;
2K101/BE07; 2K101/BE26; 2K101/BE27; 2K101/BE32; 2K101/BE41; 2K101/BE71;
2K101/BF02; 2K101/BF03; 2K101/BF53; 2K101/BF61; 2K101/EA02; 2K101/EB23;
2K101/ED25; 2K101/EE02; 2K101/EG26; 2K101/EG27; 2K101/EG45

MEMBER 3

AN 36316384 INPAFAMDB ED 20080118 EW 200803 UP 20080605 UW 200823

DN 55566757
TI ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT RESISTANT EMULSION
AGGREGATION PARTICLES.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
INS CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20070297038 A1 20071227 English
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20071227 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2006-426184 A 20060623
AIT USA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
PNC.G 19. THERE ARE 19 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPC1 G02B0026-00 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
INCL INCLM 359/296.000

AN 36316384 INPAFAMDB ED 20080403 EW 200814 UP 20080605 UW 200823
DN 55566757
TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
INS CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 7349147 B2 20080325 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20080325 printed-with-grant
STA GRANTED
AI US 2006-426184 A 20060623
AIT USA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
XPD 20260623
REC 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPC1 G02B0026-00 [I,A]; G03G0017-04 [I,A]; G09G0003-34 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
NCLS 345/107.000; 430/032.000
INCL INCLM 359/296.000
INCLS 345/107.000; 430/032.000

1 priority, 3 applications, 4 publications (1 EPO simple family)

STD. P 表示形式

AN 36316384 INPAFAMDB ED 20080403 EW 200814 UP 20080605 UW 200823
DN 55566757
TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
INS CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 7349147 B2 20080325 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20080325 printed-with-grant
STA GRANTED
AI US 2006-426184 A 20060623
AIT USA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
XPD 20260623
REC 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPC1 G02B0026-00 [I,A]; G03G0017-04 [I,A]; G09G0003-34 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
NCLS 345/107.000; 430/032.000
INCL INCLM 359/296.000
INCLS 345/107.000; 430/032.000

1 priority, 3 applications, 4 publications (1 EPO simple family)

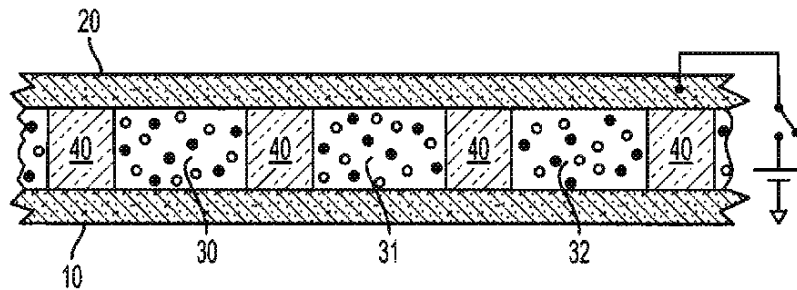
STD. U 表示形式

AN 36316384 INPAFAMDB ED 20080225 EW 200808 UP 20130919 UW 201338
DN 55788635
TI ELECTROPHORETIC DISPLAY MEDIUM.
TL English
IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
INS CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2008003600 A 20080110
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20080110 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2007-162162 A 20070620
AIT JPA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPCI G02F0001-167 [I,A]; G02F0001-17 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
FCL G02F0001-167; G02F0001-17
FTRM 2K101/AA04; 2K101/BB23; 2K101/BB34; 2K101/BB39; 2K101/BB43; 2K101/BB44;
2K101/BB54; 2K101/BB58; 2K101/BB96; 2K101/BB97; 2K101/BC02; 2K101/BC12;
2K101/BC27; 2K101/BC28; 2K101/BC30; 2K101/BC41; 2K101/BD61; 2K101/BD72;
2K101/BE07; 2K101/BE26; 2K101/BE27; 2K101/BE32; 2K101/BE41; 2K101/BE71;
2K101/BF02; 2K101/BF03; 2K101/BF53; 2K101/BF61; 2K101/EA02; 2K101/EB23;
2K101/ED25; 2K101/EE02; 2K101/EG26; 2K101/EG27; 2K101/EG45

1 priority, 3 applications, 4 publications (1 EPO simple family)

STDG 表示形式

AN 36316384 INPAFAMDB EDF 20080118 EWF 200803 UPFB 20130919 UWF 201338
TI Electrophoretic display medium containing solvent resistant emulsion aggregation particles.
- ELECTROPHORETIC DISPLAY MEDIUM.
INS NAVEEN CHOPRA, US; BARKEV KEOSHKERIAN, US; CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M; CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
PAS XEROX CORP, US
- XEROX CORP
PI CN 101093337 A 20071226
JP 2008003600 A 20080110
US 20070297038 A1 20071227
US 7349147 B2 20080325
AI CN 2007-10126218 A 20070622
JP 2007-162162 A 20070620
US 2006-426184 A 20060623
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
REC 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IPC1 G02F0001-167 [I, A]; G02F0001-17 [I, A]; G02B0026-00 [I, A]; G03G0017-04 [I, A]; G09G0003-34 [I, A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
NCLS 345/107.000; 430/032.000
INCL INCLM 359/296.000
INCLS 345/107.000; 430/032.000
FCL G02F0001-167; G02F0001-17
FTRM 2K101/AA04; 2K101/BB23; 2K101/BB34; 2K101/BB39; 2K101/BB43; 2K101/BB44; 2K101/BB54; 2K101/BB58; 2K101/BB96; 2K101/BB97; 2K101/BC02; 2K101/BC12; 2K101/BC27; 2K101/BC28; 2K101/BC30; 2K101/BC41; 2K101/BD61; 2K101/BD72; 2K101/BE07; 2K101/BE26; 2K101/BE27; 2K101/BE32; 2K101/BE41; 2K101/BE71; 2K101/BF02; 2K101/BF03; 2K101/BF53; 2K101/BF61; 2K101/EA02; 2K101/EB23; 2K101/ED25; 2K101/EE02; 2K101/EG26; 2K101/EG27; 2K101/EG45



US20070297038A1

1 priority, 3 applications, 4 publications (1 EPO simple family)

TRIAL 表示形式

TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
IPCI G02F0001-167 [I, A]
IPCI G02F0001-17 [I, A]
IPCI G02B0026-00 [I, A]
IPCI G03G0017-04 [I, A]; G09G0003-34 [I, A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
NCLS 345/107.000; 430/032.000
INCL INCLM 359/296.000
INCLS 345/107.000; 430/032.000
FCL G02F0001-167; G02F0001-17
FTRM 2K101/AA04; 2K101/BB23; 2K101/BB34; 2K101/BB39; 2K101/BB43; 2K101/BB44;
2K101/BB54; 2K101/BB58; 2K101/BB96; 2K101/BB97; 2K101/BC02; 2K101/BC12;
2K101/BC27; 2K101/BC28; 2K101/BC30; 2K101/BC41; 2K101/BD61; 2K101/BD72;
2K101/BE07; 2K101/BE26; 2K101/BE27; 2K101/BE32; 2K101/BE41; 2K101/BE71;
2K101/BF02; 2K101/BF03; 2K101/BF53; 2K101/BF61; 2K101/EA02; 2K101/EB23;
2K101/ED25; 2K101/EE02; 2K101/EG26; 2K101/EG27; 2K101/EG45
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI;
PIT; PRAI; TI; CGP; CHG; FCL; FTRM; INCL; NCL; REN; REP; XPD

CFAM 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

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+-----PI-----+
CN 1506347      A  20040623
DE 10257357     A1 20040624
EP 1428814      A1 20040616
JP 2004189741   A  20040708
US 20040133043  A1 20040708
US 6903239      B2 20050607
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1 priority, 5 applications, 6 publications (1 EPO simple family)

CFAM2 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

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+----- Publications -----+      +----- Applications -----+
CN 1506347      A  20040623      CN 2003-10120223  A  20031209
DE 10257357     A1 20040624      DE 2002-10257357  A  20021209
EP 1428814      A1 20040616      EP 2003-26982     A  20031126
JP 2004189741   A  20040708      JP 2003-409405    A  20031208
US 20040133043  A1 20040708      US 2003-718758    A  20031121
US 6903239      B2 20050607
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+----- Priorities -----+
DE 2002-10257357  A  20021209
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1 priority, 5 applications, 6 publications (1 EPO simple family)

DFAM 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

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+-----PRAI-----+;+-----AI-----+;+-----PI-----+
DE 2002-10257357  A  20021209;CN 2003-10120223  A  20031209;CN 1506347
  A 20040623;|
DE 2002-10257357  A  20021209;DE 2002-10257357  A  20021209;DE 10257357
  A1 20040624;|
DE 2002-10257357  A  20021209;EP 2003-26982     A  20031126;EP 1428814
  A1 20040616;|
DE 2002-10257357  A  20021209;JP 2003-409405    A  20031208;JP 2004189741
  A 20040708;|
DE 2002-10257357  A  20021209;US 2003-718758    A  20031121;US
  20040133043    A1 20040708;|
DE 2002-10257357  A  20021209;US 2003-718758    A  20031121;US 6903239
  B2 20050607;|
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1 priority, 5 applications, 6 publications (1 EPO simple family)

EFAM 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

PRIORITY 1 : DE 2002-10257357 A 20021209

+-----AI-----+		+-----PI-----+	
CN 2003-1012023	A 20031209	CN 1506347	A 20040623
DE 2002-10257357	A 20021209	DE 10257357	A1 20040624
EP 2003-26982	A 20031126	EP 1428814	A1 20040616
JP 2003-409405	A 20031208	JP 2004189741	A 20040708
US 2003-718758	A 20031121	US 20040133043	A1 20040708
		US 6903239	B2 20050607

1 priority, 5 applications, 6 publications (1 EPO simple family)

FAM 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

+-----PRAI-----+		+-----AI-----+	
DE 2002-10257357	A 20021209	CN 2003-10120223	A 20031209
		DE 2002-10257357	A 20021209
		EP 2003-26982	A 20031126
		JP 2003-409405	A 20031208
		US 2003-718758	A 20031121

+-----AI-----+		+-----PI-----+	
CN 2003-10120223	A 20031209	CN 1506347	A 20040623
DE 2002-10257357	A 20021209	DE 10257357	A1 20040624
EP 2003-26982	A 20031126	EP 1428814	A1 20040616
JP 2003-409405	A 20031208	JP 2004189741	A 20040708
US 2003-718758	A 20031121	US 20040133043	A1 20040708
		US 6903239	B2 20050607

1 priority, 5 applications, 6 publications (1 EPO simple family)

FAM2 表示形式

PATENT FAMILY INFORMATION
AN 13516150 INPAFAMDB

+-----PRAI-----+		+-----PI-----+	
DE 2002-10257357	A 20021209	CN 1506347	A 20040623
		DE 10257357	A1 20040624
		EP 1428814	A1 20040616
		JP 2004189741	A 20040708
		US 20040133043	A1 20040708
		US 6903239	B2 20050607

+-----AI-----+		+-----PI-----+	
CN 2003-10120223	A 20031209	CN 1506347	A 20040623
DE 2002-10257357	A 20021209	DE 10257357	A1 20040624
EP 2003-26982	A 20031126	EP 1428814	A1 20040616
JP 2003-409405	A 20031208	JP 2004189741	A 20040708
US 2003-718758	A 20031121	US 20040133043	A1 20040708
		US 6903239	B2 20050607

1 priority, 5 applications, 6 publications (1 EPO simple family)

FAMLS 表示形式

TITLE: Fluorinated benzaldehydes.

PATENT FAMILY INFORMATION

AN 13516150 INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CN 1506347	A 20040623	CN 2003-10120223	A 20031209
DE 10257357	A1 20040624	DE 2002-10257357	A 20021209
EP 1428814	A1 20040616	EP 2003-26982	A 20031126
JP 2004189741	A 20040708	JP 2003-409405	A 20031208
US 20040133043	A1 20040708	US 2003-718758	A 20031121
US 6903239	B2 20050607		

+----- Priorities -----+

DE 2002-10257357	A 20021209
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LEGAL STATUS INPAFAMDB

20021209 DEA	PRI Patent application	
	DE 2002-10257357	A 20021209
20021209 DEA	APP Patent application	
	DE 2002-10257357	A 20021209
20031121 USA	APP Patent application	
	US 2003-718758	A 20031121
20031126 EPA	APP Patent application	
	EP 2003-26982	A 20031126
20031208 JPA	APP Patent application	
	JP 2003-409405	A 20031208
20031209 CNA	APP Patent application	
	CN 2003-10120223	A 20031209
20040305 USAS	ASSIGNMENT	
	[US 2003-718758	A 20031121]
	BAYER CHEMICALS AG, GERMANY	
	ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER, KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING DATES FROM 20040106 TO 20040118	
	CHG Change of Owner, Inventor, Applicant	
	..... 20090312	
20040616 EPA1	PUB APPLICATION PUBLISHED WITH SEARCH REPORT	
	[EP 2003-26982	A1 20031126]
	EP 1428814	A1 20040616
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	EP	A1
	AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR	
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	[EP 2003-26982	A 20031126]
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20040623 CNA	PUB UNEXAMINED APPLICATION FOR A PATENT FOR INV.	
	[CN 2003-10120223	A 20031209]
	CN 1506347	A 20040623
20040623 CNC06	+ PUBLICATION	
	[CN 2003-10120223	A 20031209]
	..... 20090604	
20040624 DEA1	PUB DOC. LAID OPEN (FIRST PUBLICATION)	
	[DE 2002-10257357	A1 20021209]
	DE 10257357	A1 20040624
20040708 JPA	PUB PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]	
	[JP 2003-409405	A 20031208]
	JP 2004189741	A 20040708
20040708 USA1	PUB FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]	
	[US 2003-718758	A1 20031121]

20040916 DE8127 US 20040133043 A1 20040708
 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
 [DE 2002-10257357 A 20021209]
 BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE

20050209 EP17P CHG Change of Owner, Inventor, Applicant
 + REQUEST FOR EXAMINATION FILED
 [EP 2003-26982 A 20031126]
 20041216

20050309 EPAKX EXA Examination, Search Report
 + PAYMENT OF DESIGNATION FEES
 [EP 2003-26982 A 20031126]
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR

20050607 USB2 PUB REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
 PUBLICATION [FROM 2001 ONWARDS]
 [US 2003-718758 B2 20031121]
 US 6903239 B2 20050607

20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 [EP 2003-26982 A 20031126]
 LANXESS DEUTSCHLAND GMBH

20051013 DE8139 CHG Change of Owner, Inventor, Applicant
 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
 [DE 2002-10257357 A 20021209]

20060208 CNC10 NIF Lapses, Expiries, Withdrawals, Refusals
 REQUEST OF EXAMINATION AS TO SUBSTANCE
 [CN 2003-10120223 A 20031209]

20060809 EPRAP1 EXA Examination, Search Report
20090604
 TRANSFER OF RIGHTS OF AN EP APPLICATION
 [EP 2003-26982 A 20031126]
 SALTIGO GMBH

20060909 JPA621 CHG Change of Owner, Inventor, Applicant
 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 [JP 2003-409405 A 20031208]
 JAPANESE INTERMEDIATE CODE: A621
 20060908

20061030 USAS EXA Examination, Search Report
20130912
 ASSIGNMENT
 [US 2003-718758 A 20031121]
 LANXESS DEUTSCHLAND GMBH, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
 AG;REEL/FRAME:018454/0850
 20061025

20061101 USAS CHG Change of Owner, Inventor, Applicant
20090219
 ASSIGNMENT
 [US 2003-718758 A 20031121]
 LANXESS DEUTSCHLAND GMBH, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
 AG;REEL/FRAME:018463/0687
 20061025

20070518 JPA761 CHG Change of Owner, Inventor, Applicant
20090514
 - WRITTEN WITHDRAWAL OF APPLICATION
 [JP 2003-409405 A 20031208]
 JAPANESE INTERMEDIATE CODE: A761
 20070517

20070718 CNA55 NIF Lapses, Expiries, Withdrawals, Refusals
20130613
 SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
 [CN 2003-10120223 A 20031209]
 LANXESS DEUTSCHLAND GMBH
 FORMER OWNER: BAYER CHEMICALS AG
 20070615

CHG Change of Owner, Inventor, Applicant
20101014

FFAM 表示形式

MEMBER 1

AN 13516150 INPAFAMDB UP 20120309 UW 201333
 DN 18243483
 TI Fluoridized benzaldehyde.
 TL English
 IN K. PERSTEK; A. MAHOLD
 INS PERSTEK K, DE; MAHOLD A, DE
 PA BAYER CHEMICALS GMBH
 PAS BAYER CHEMICALS GMBH, DE
 DT Patent
 PI CN 1506347 A 20040623
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20040623 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2003-10120223 A 20031209
 AIT CNA Patent application
 PRAI DE 2002-10257357 A 20021209 (DEA, Y)
 PRAIT DEA Patent application
 IC.V 7
 ICM C07C047-56
 ICS C07C045-00; C07C039-06; C07C215-50; A61K031-05; A61K031-11; A61K031-137;
 A61P009-00
 IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
 C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
 C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
 CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
 C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
 C07C0037-50, C07C0039-27
 FA ABOR: AI: AN: DAV: CPC: DT: ICM: ICS: IN: INS: IPC: IPCR: PA: PAS: PI:
 PIT: PRAI: TI

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040623 CNC06 + PUBLICATION
20090604
 20060208 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
20090604
 20070718 CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
 LANXESS DEUTSCHLAND GMBH
 FORMER OWNER: BAYER CHEMICALS AG
 20070615
 CHG Change of Owner, Inventor, Applicant
20101014
 20070718 CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT
 RIGHT
 CHG Change of Owner, Inventor, Applicant
20090604
 20090506 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
20090813

MEMBER 2

AN 13516150 INPAFAMDB UP 20120309 UW 201333
 DN 21240708
 TI Fluorhaltige Benzaldehyde.
 TL German
 IN PEILSTOECKER, KAREN; MARHOLD, ALBRECHT

INS PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE
PA BAYER AG
PAS BAYER AG, DE
DT Patent
PI DE 10257357 A1 20040624
PIT DEA1 DOC. LAID OPEN (FIRST PUBLICATION)
DAV 20040624 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI DE 2002-10257357 A 20021209
AIT DEA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07C047-195
ICS C07C215-50
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
FA ABDE; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040916 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE
CHG Change of Owner, Inventor, Applicant
20051013 DE8139 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
NIF Lapses, Expiries, Withdrawals, Refusals

MEMBER 3

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 24120015
TI Fluorhaltige Benzaldehyde.
Fluorine containing benzaldehydes.
Benzaldehydes contenant du fluor.
TL German; English; French
IN PEILSTOECKER, KAREN, DR.; MARHOLD, ALBRECHT, DR.
INS PEILSTOECKER KAREN DR, DE; MARHOLD ALBRECHT DR, DE
PA BAYER CHEMICALS AG
PAS BAYER CHEMICALS AG, DE
DT Patent
PI EP 1428814 A1 20040616 German
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20040616 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC
NL PT RO SE SI SK TR
AI EP 2003-26982 A 20031126
AIT EPA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
REC 18. THERE ARE 18 CITED REFERENCES (8 PATENT, 10 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C07C047-565
ICS C07C045-56; C07C047-575; C07C039-27; C07C037-50; C07C213-02; C07C215-50;
C07C217-58
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;

C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
FA AB; ABDE; AI; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; PA;
PAS; PI; PIT; PRAI; REN; REP; REXP; TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040616 EPAK + DESIGNATED CONTRACTING STATES:
EP A1
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
MC NL PT RO SE SI SK TR
20040616 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
AL LT LV MK
20050209 EP17P + REQUEST FOR EXAMINATION FILED
20041216
EXA Examination, Search Report
20050309 EPAKX + PAYMENT OF DESIGNATION FEES
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
MC NL PT RO SE SI SK TR
20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
LANXESS DEUTSCHLAND GMBH
20060809 EPRAP1 CHG Change of Owner, Inventor, Applicant
TRANSFER OF RIGHTS OF AN EP APPLICATION
SALTIGO GMBH
20070919 EPRAP1 CHG Change of Owner, Inventor, Applicant
TRANSFER OF RIGHTS OF AN EP APPLICATION
SALTIGO GMBH
CHG Change of Owner, Inventor, Applicant
..... 20080619
20081126 EP18D - DEEMED TO BE WITHDRAWN
20080602
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20081127

MEMBER 4

AN 13516150 INPAFAMDB UP 20130822 UW 201334
DN 46011576
TI METHOD FOR PRODUCING FLUORINATED BENZALDEHYDE, THE COMPOUND AND
INTERMEDIATE PRODUCT FOR THE SAME IN PROCESS FOR PRODUCING THE SAME.
TL English
IN PEILSTOECKER KAREN; MARHOLD ALBRECHT
INS PEILSTOECKER KAREN; MARHOLD ALBRECHT
PA BAYER CHEMICALS AG
PAS BAYER CHEMICALS AG
DT Patent
PI JP 2004189741 A 20040708
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20040708 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2003-409405 A 20031208
AIT JPA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07C045-45
ICS C07C039-27; C07C047-565; C07C047-575; C07C215-50; C07C217-58
ICA C07B061-00
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;

C07C0037-50, C07C0039-27
FCL C07B0061-00 300; C07C0215-50; C07C0217-58; C07C0039-27; C07C0045-45;
C07C0047-565; C07C0047-575
FTRM 4H006/AA01; 4H006/AA02; 4H006/AB84; 4H006/AC45; 4H006/BA28; 4H006/BA35;
4H006/BA37; 4H006/BA50; 4H006/BA52; 4H006/BA66; 4H006/BJ50; 4H006/BM10;
4H006/BM30; 4H006/BM71; 4H006/BN30; 4H006/BP30; 4H006/BU38; 4H039/CA62;
4H039/CD10
FA AB; AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICA; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 13516150 INPAFAMDB
20060909 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20060908
EXA Examination, Search Report
.....20130912
20070518 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
JAPANESE INTERMEDIATE CODE: A761
20070517
NIF Lapses, Expiries, Withdrawals, Refusals
.....20130613

MEMBER 5

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 49259067
TI Fluorinated benzaldehydes.
TL English
IN PEILSTOCKER KAREN; MARHOLD ALBRECHT
INS PEILSTOCKER KAREN, DE; MARHOLD ALBRECHT, DE
PA PEILSTOCKER KAREN; MARHOLD ALBRECHT
DT Patent
PI US 20040133043 A1 20040708
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20040708 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2003-718758 A 20031121
AIT USA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07D211-06
ICS C07C045-90
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
NCL NCLM 568/312.000
NCLS 546/226.000; 548/530.000; 564/169.000
INCL INCLM 568/312.000
INCLS 564/169.000; 546/226.000; 548/530.000
FA AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA;
PI; PIT; PRAI; TI

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 49259067
TI Fluorinated benzaldehydes.
TL English
IN PEILSTOECKER KAREN; MARHOLD ALBRECHT
INS PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE
PA BAYER CHEMICAL AKTIENGESELLSCHAFT

PAS BAYER CHEMICAL AG, DE
DT Patent
PI US 6903239 B2 20050607 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]
DAV 20050607 printed-with-grant
STA GRANTED
AI US 2003-718758 A 20031121
AIT USA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
XPD 20231121
REC 19. THERE ARE 19 CITED REFERENCES (8 PATENT, 11 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C07C045-37
ICS C07C039-24; C07C211-00; A61K031-11
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A]; C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A]; C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565; C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50, C07C0039-27
NCL NCLM 568/436.000
NCLS 564/336.000; 568/442.000; 568/775.000; 568/782.000; 568/796.000
INCL INCLM 568/436.000
INCLS 568/442.000; 568/775.000; 568/782.000; 568/796.000; 564/336.000; 514/699.000; 514/731.000
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI; XPD

LEGAL STATUS

AN 13516150 INPAFAMDB
20040305 USAS ASSIGNMENT
BAYER CHEMICALS AG, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER, KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING DATES FROM 20040106 TO 20040118
CHG Change of Owner, Inventor, Applicant
.....20090312
20061030 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS AG;REEL/FRAME:018454/0850
20061025
CHG Change of Owner, Inventor, Applicant
.....20090219
20061101 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS AG;REEL/FRAME:018463/0687
20061025
CHG Change of Owner, Inventor, Applicant
.....20090514
20081215 USREMI MAINTENANCE FEE REMINDER MAILED
.....20110428
20090607 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals
.....20110428
20090728 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
.....20090730

1 priority, 5 applications, 6 publications (1 EPO simple family)

MEMBER 5

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 49259067
TI Fluorinated benzaldehydes.
TL English
IN PEILSTOCKER KAREN; MARHOLD ALBRECHT
INS PEILSTOCKER KAREN, DE; MARHOLD ALBRECHT, DE
PA PEILSTOCKER KAREN; MARHOLD ALBRECHT
DT Patent
PI US 20040133043 A1 20040708
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20040708 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2003-718758 A 20031121
AIT USA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07D211-06
ICS C07C045-90
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
NCL NCLM 568/312.000
NCLS 546/226.000; 548/530.000; 564/169.000
INCL INCLM 568/312.000
INCLS 564/169.000; 546/226.000; 548/530.000
FA AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA;
PI; PIT; PRAI; TI

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 49259067
TI Fluorinated benzaldehydes.
TL English
IN PEILSTOECKER KAREN; MARHOLD ALBRECHT
INS PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE
PA BAYER CHEMICAL AKTIENGESELLSCHAFT
PAS BAYER CHEMICAL AG, DE
DT Patent
PI US 6903239 B2 20050607 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20050607 printed-with-grant
STA GRANTED
AI US 2003-718758 A 20031121
AIT USA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
XPD 20231121
REC 19. THERE ARE 19 CITED REFERENCES (8 PATENT, 11 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C07C045-37
ICS C07C039-24; C07C211-00; A61K031-11
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;

C07C0037-50, C07C0039-27
 NCL NCLM 568/436.000
 NCLS 564/336.000; 568/442.000; 568/775.000; 568/782.000; 568/796.000
 INCL INCLM 568/436.000
 INCLS 568/442.000; 568/775.000; 568/782.000; 568/796.000; 564/336.000;
 514/699.000; 514/731.000
 FA AB; AI; AN; DAV; GGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL;
 NCL; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI; XPD

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040305 USAS ASSIGNMENT
 BAYER CHEMICALS AG, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER,
 KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING
 DATES FROM 20040106 TO 20040118
 CHG Change of Owner, Inventor, Applicant
20090312
 20061030 USAS ASSIGNMENT
 LANXESS DEUTSCHLAND GMBH, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
 AG;REEL/FRAME:018454/0850
 20061025
 CHG Change of Owner, Inventor, Applicant
20090219
 20061101 USAS ASSIGNMENT
 LANXESS DEUTSCHLAND GMBH, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
 AG;REEL/FRAME:018463/0687
 20061025
 CHG Change of Owner, Inventor, Applicant
20090514
 20081215 USREMI MAINTENANCE FEE REMINDER MAILED
20110428
 20090607 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
 NIF Lapses, Expiries, Withdrawals, Refusals
20110428
 20090728 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
 20090607
 NIF Lapses, Expiries, Withdrawals, Refusals
20090730

FFAMG 表示形式

MEMBER 1

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 18243483
TI Fluoridized benzaldehyde.
TL English
IN K. PERSTEK; A. MAHOLD
INS PERSTEK K, DE; MAHOLD A, DE
PA BAYER CHEMICALS GMBH
PAS BAYER CHEMICALS GMBH, DE
DT Patent
PI CN 1506347 A 20040623
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20040623 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2003-10120223 A 20031209
AIT CNA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07C047-56
ICS C07C045-00; C07C039-06; C07C215-50; A61K031-05; A61K031-11; A61K031-137;
A61P009-00
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
FA ABOR: AI: AN: DAV: CPC: DT: ICM: ICS: IN: INS: IPC: IPCR: PA: PAS: PI;
PIT: PRAI: TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040623 CNC06 + PUBLICATION
.....20090604
20060208 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090604
20070718 CNASS SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
LANXESS DEUTSCHLAND GMBH
FORMER OWNER: BAYER CHEMICALS AG
20070615
CHG Change of Owner, Inventor, Applicant
.....20101014
20070718 CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT
RIGHT
CHG Change of Owner, Inventor, Applicant
.....20090604
20090506 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20090813

MEMBER 2

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 21240708
TI Fluorhaltige Benzaldehyde.
TL German
IN PEILSTOECKER, KAREN; MARHOLD, ALBRECHT

INS PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE
PA BAYER AG
PAS BAYER AG, DE
DT Patent
PI DE 10257357 A1 20040624
PIT DEA1 DOC. LAID OPEN (FIRST PUBLICATION)
DAV 20040624 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI DE 2002-10257357 A 20021209
AIT DEA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07C047-195
ICS C07C215-50
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
FA ABDE; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040916 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE
CHG Change of Owner, Inventor, Applicant
20051013 DE8139 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
NIF Lapses, Expiries, Withdrawals, Refusals

MEMBER 3

AN 13516150 INPAFAMDB UP 20120309 UW 201333
DN 24120015
TI Fluorhaltige Benzaldehyde.
Fluorine containing benzaldehydes.
Benzaldehydes contenant du fluor.
TL German; English; French
IN PEILSTOECKER, KAREN, DR.; MARHOLD, ALBRECHT, DR.
INS PEILSTOECKER KAREN DR, DE; MARHOLD ALBRECHT DR, DE
PA BAYER CHEMICALS AG
PAS BAYER CHEMICALS AG, DE
DT Patent
PI EP 1428814 A1 20040616 German
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20040616 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC
NL PT RO SE SI SK TR
AI EP 2003-26982 A 20031126
AIT EPA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
REC 18. THERE ARE 18 CITED REFERENCES (8 PATENT, 10 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C07C047-565
ICS C07C045-56; C07C047-575; C07C039-27; C07C037-50; C07C213-02; C07C215-50;
C07C217-58
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;

C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
C07C0037-50, C07C0039-27
FA AB; ABDE; AI; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; PA;
PAS; PI; PIT; PRAI; REN; REP; REXP; TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040616 EPAK + DESIGNATED CONTRACTING STATES:
EP A1
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
MC NL PT RO SE SI SK TR
20040616 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
AL LT LV MK
20050209 EP17P + REQUEST FOR EXAMINATION FILED
20041216
EXA Examination, Search Report
20050309 EPAKX + PAYMENT OF DESIGNATION FEES
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
MC NL PT RO SE SI SK TR
20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
LANXESS DEUTSCHLAND GMBH
20060809 EPRAP1 CHG Change of Owner, Inventor, Applicant
TRANSFER OF RIGHTS OF AN EP APPLICATION
SALTIGO GMBH
20070919 EPRAP1 CHG Change of Owner, Inventor, Applicant
TRANSFER OF RIGHTS OF AN EP APPLICATION
SALTIGO GMBH
CHG Change of Owner, Inventor, Applicant
..... 20080619
20081126 EP18D - DEEMED TO BE WITHDRAWN
20080602
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20081127

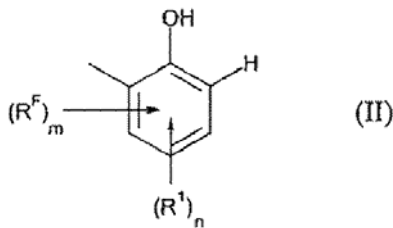
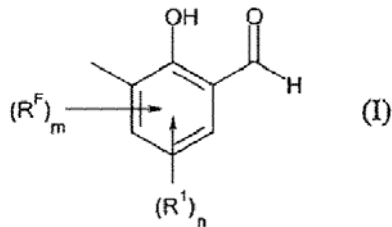
MEMBER 4

AN 13516150 INPAFAMDB UP 20130822 UW 201334
DN 46011576
TI METHOD FOR PRODUCING FLUORINATED BENZALDEHYDE, THE COMPOUND AND
INTERMEDIATE PRODUCT FOR THE SAME IN PROCESS FOR PRODUCING THE SAME.
TL English
IN PEILSTOECKER KAREN; MARHOLD ALBRECHT
INS PEILSTOECKER KAREN; MARHOLD ALBRECHT
PA BAYER CHEMICALS AG
PAS BAYER CHEMICALS AG
DT Patent
PI JP 2004189741 A 20040708
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20040708 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2003-409405 A 20031208
AIT JPA Patent application
PRAI DE 2002-10257357 A 20021209 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM C07C045-45
ICS C07C039-27; C07C047-565; C07C047-575; C07C215-50; C07C217-58
ICA C07B061-00
IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;

C07C0037-50, C07C0039-27
 FCL C07B0061-00 300; C07C0215-50; C07C0217-58; C07C0039-27; C07C0045-45;
 C07C0047-565; C07C0047-575
 FTRM 4H006/AA01; 4H006/AA02; 4H006/AB84; 4H006/AC45; 4H006/BA28; 4H006/BA35;
 4H006/BA37; 4H006/BA50; 4H006/BA52; 4H006/BA66; 4H006/BJ50; 4H006/BM10;
 4H006/BM30; 4H006/BM71; 4H006/BN30; 4H006/BP30; 4H006/BU38; 4H039/CA62;
 4H039/CD10
 FA AB; AI; AN; DAV; CHG; GPC; DT; FCL; FTRM; ICA; ICM; ICS; IN; INS; IPC;
 IPCR; PA; PAS; PI; PIT; PRAI; TI
 CHG AB A

LEGAL STATUS

AN 13516150 INPAFAMDB
 20060909 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20060908
 EXA Examination, Search Report
20130912
 20070518 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
 JAPANESE INTERMEDIATE CODE: A761
 20070517
 NIF Lapses, Expiries, Withdrawals, Refusals
20130613



MEMBER 5

AN 13516150 INPAFAMDB UP 20120309 UW 201333
 DN 49259067
 TI Fluorinated benzaldehydes.
 TL English
 IN PEILSTOCKER KAREN; MARHOLD ALBRECHT
 INS PEILSTOCKER KAREN, DE; MARHOLD ALBRECHT, DE
 PA PEILSTOCKER KAREN; MARHOLD ALBRECHT
 DT Patent
 PI US 20040133043 A1 20040708
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20040708 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI US 2003-718758 A 20031121
 AIT USA Patent application
 PRAI DE 2002-10257357 A 20021209 (DEA, Y)
 PRAIT DEA Patent application
 IC.V 7
 ICM C07D211-06
 ICS C07C045-90
 IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
 C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];

C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
 CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
 C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575;
 C07C0037-50, C07C0039-27
 NCL NCLM 568/312.000
 NCLS 546/226.000; 548/530.000; 564/169.000
 INCL INCLM 568/312.000
 INCLS 564/169.000; 546/226.000; 548/530.000
 FA AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA;
 PI; PIT; PRAI; TI

 AN 13516150 INPAFAMDB UP 20120309 UW 201333
 DN 49259067
 TI Fluorinated benzaldehydes.
 TL English
 IN PEILSTOECKER KAREN; MARHOLD ALBRECHT
 INS PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE
 PA BAYER CHEMICAL AKTIENGESELLSCHAFT
 PAS BAYER CHEMICAL AG, DE
 DT Patent
 PI US 6903239 B2 20050607 English
 PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
 PUBLICATION [FROM 2001 ONWARDS]
 DAV 20050607 printed-with-grant
 STA GRANTED
 AI US 2003-718758 A 20031121
 AIT USA Patent application
 PRAI DE 2002-10257357 A 20021209 (DEA, Y)
 PRAIT DEA Patent application
 XPD 20231121
 REC 19. THERE ARE 19 CITED REFERENCES (8 PATENT, 11 NON PATENT) AVAILABLE FOR
 THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
 IC.V 7
 ICM C07C045-37
 ICS C07C039-24; C07C211-00; A61K031-11
 IPCR C07C0045-45 [I, A]; C07B0061-00 [I, A]; C07C0037-50 [I, A];
 C07C0039-27 [I, A]; C07C0045-56 [I, A]; C07C0047-565 [I, A];
 C07C0047-575 [I, A]; C07C0215-50 [I, A]; C07C0217-58 [I, A]
 CPC C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565;
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 C07C0037-50, C07C0039-27
 NCL NCLM 568/436.000
 NCLS 564/336.000; 568/442.000; 568/775.000; 568/782.000; 568/796.000
 INCL INCLM 568/436.000
 INCLS 568/442.000; 568/775.000; 568/782.000; 568/796.000; 564/336.000;
 514/699.000; 514/731.000
 FA AB; AI; AN; DAV; GGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL;
 NCL; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI; XPD

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040305 USAS ASSIGNMENT
 BAYER CHEMICALS AG, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER,
 KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING
 DATES FROM 20040106 TO 20040118
 CHG Change of Owner, Inventor, Applicant
 20090312
 20061030 USAS ASSIGNMENT
 LANXESS DEUTSCHLAND GMBH, GERMANY
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
 AG;REEL/FRAME:018454/0850
 20061025
 CHG Change of Owner, Inventor, Applicant
 20090219
 20061101 USAS ASSIGNMENT
 LANXESS DEUTSCHLAND GMBH, GERMANY

ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS
AG;REEL/FRAME:018463/0687
20061025

CHG Change of Owner, Inventor, Applicant
.....20090514
20081215 USREMI MAINTENANCE FEE REMINDER MAILED
.....20110428
20090607 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals
.....20110428
20090728 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
.....20090730

1 priority, 5 applications, 6 publications (1 EPO simple family)

IFAM 表示形式

TITLE: Fluorinated benzaldehydes.

PATENT FAMILY INFORMATION

AN 13516150 INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CN 1506347	A 20040623	CN 2003-10120223	A 20031209
DE 10257357	A1 20040624	DE 2002-10257357	A 20021209
EP 1428814	A1 20040616	EP 2003-26982	A 20031126
JP 2004189741	A 20040708	JP 2003-409405	A 20031208
US 20040133043	A1 20040708	US 2003-718758	A 20031121
US 6903239	B2 20050607		

+----- Priorities -----+

DE 2002-10257357	A 20021209
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|      CHINA (CN)      |
+-----+
  
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MEMBER 1

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20120309 UW 201333

DOCUMENT NUMBER: 18243483
 TITLE: Fluoridized benzaldehyde.
 TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: K. PERSTEK; A. MAHOLD
 STANDARDIZED: PERSTEK K, DE; MAHOLD A, DE

PATENT ASSIGNEE(S):
 NON-STANDARD.: BAYER CHEMICALS GMBH
 STANDARDIZED: BAYER CHEMICALS GMBH, DE

PATENT INFORMATION:

NUMBER	KIND	DATE
--------	------	------

	CN 1506347	A	20040623	
PATENT INFO. TYPE:	CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.			
DATE OF AVAILABILITY:	20040623 unexamined-printed-without-grant			
PATENT STATUS:	PRE-GRANT PUBLICATION			
APPLICATION INFO.:	CN 2003-10120223	A	20031209	
APPL. INFO. TYPE:	CNA Patent application			
PRIORITY APPL. INFO.:	DE 2002-10257357	A	20021209	(DEA, Y)
PRIO. APPL. INFO. TYPE:	DEA Patent application			
IPC VERSION(1-7):	7			
INT. PATENT CLASSIF.:				
MAIN:	C07C047-56 (not assigned by patent authority)			
SECONDARY:	C07C045-00; C07C039-06; C07C215-50; A61K031-05; A61K031-11; A61K031-137; A61P009-00			
IPC RECLASSIFIED :	C07C0045-45	[I, A];	C07B0061-00	[I, A];
	C07C0037-50	[I, A];	C07C0039-27	[I, A];
	C07C0045-56	[I, A];	C07C0047-565	[I, A];
	C07C0047-575	[I, A];	C07C0215-50	[I, A];
	C07C0217-58	[I, A]		
CPC CLASSIFICATION:	C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565; C07C0047-565; C07C0047-575; C07C0045-565, C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50, C07C0039-27			
FIELD AVAILABILITY:	ABOR; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI			

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040623 CNC06 + PUBLICATION20090604
 20060208 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report20090604
 20070718 CNA55 SUCCESSION OR ASSIGNMENT OF PATENT RIGHT
 LANXESS DEUTSCHLAND GMBH
 FORMER OWNER: BAYER CHEMICALS AG
 20070615
 CHG Change of Owner, Inventor, Applicant20101014
 20070718 CNC41 TRANSFER OF THE RIGHT OF PATENT APPLICATION OR THE PATENT
 RIGHT
 CHG Change of Owner, Inventor, Applicant20090604
 20090506 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
20090813

-----+-----
 | GERMANY FEDERAL REPUBLIC OF (DE) |
 -----+-----

 MEMBER 2

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20120309 UW 201333

DOCUMENT NUMBER: 21240708
 TITLE: Fluorhaltige Benzaldehyde.
 TITLE LANGUAGE: German

INVENTOR(S):
 NON-STANDARD.: PEILSTOECKER, KAREN; MARHOLD, ALBRECHT
 STANDARDIZED: PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE

PATENT ASSIGNEE(S):
 NON-STANDARD.: BAYER AG
 STANDARDIZED: BAYER AG, DE

PATENT INFORMATION:

NUMBER	KIND	DATE
DE 10257357	A1	20040624

PATENT INFO. TYPE: DEA1 DOC. LAID OPEN (FIRST PUBLICATION)
 DATE OF AVAILABILITY: 20040624 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: DE 2002-10257357 A 20021209
 APPL. INFO. TYPE: DEA Patent application
 PRIORITY APPL. INFO.: DE 2002-10257357 A 20021209 (DEA, Y)
 PRIO. APPL. INFO. TYPE: DEA Patent application
 IPC VERSION(1-7): 7
 INT. PATENT CLASSIF.:

MAIN: C07C047-195 (not assigned by patent authority)
 SECONDARY: C07C215-50
 IPC RECLASSIFIED : C07C0045-45 [I, A]; C07B0061-00 [I, A];
 C07C0037-50 [I, A]; C07C0039-27 [I, A];
 C07C0045-56 [I, A]; C07C0047-565 [I, A];
 C07C0047-575 [I, A]; C07C0215-50 [I, A];
 C07C0217-58 [I, A]

CPC CLASSIFICATION: C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565;
 C07C0047-565; C07C0047-575; C07C0045-565,
 C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50,
 C07C0039-27

ABSTRACT (GERMAN): Die vorliegende Erfindung betrifft fluorhaltige
 Benzaldehyde, ein Verfahren zu deren Herstellung sowie

die Anwendung der fluorhaltigen Benzaldehyde zur
Herstellung von Wirkstoffen insbesondere in
Arzneimitteln und Agrochemikalien.

ABSTRACT LANGUAGE: German
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: ABDE; AI; AN; DAV; GPC; DT; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13516150 INPAFAMDB
20040916 DE8127 NEW PERSON/NAME/ADDRESS OF THE APPLICANT
BAYER CHEMICALS AG, 51373 LEVERKUSEN, DE
CHG Change of Owner, Inventor, Applicant
20051013 DE8139 - DISPOSAL/NON-PAYMENT OF THE ANNUAL FEE
NIF Lapses, Expiries, Withdrawals, Refusals

+-----+
| EUROPEAN PATENT OFFICE (EP) |
+-----+

MEMBER 3

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20120309 UW 201333

DOCUMENT NUMBER: 24120015
TITLE: Fluorhaltige Benzaldehyde.
Fluorine containing benzaldehydes.
Benzaldehydes contenant du fluor.

TITLE LANGUAGE: German; English; French

INVENTOR(S):

NON-STANDARD.: PEILSTOECKER, KAREN, DR.; MARHOLD, ALBRECHT, DR.

STANDARDIZED: PEILSTOECKER KAREN DR, DE; MARHOLD ALBRECHT DR, DE

PATENT ASSIGNEE(S):

NON-STANDARD.: BAYER CHEMICALS AG

STANDARDIZED: BAYER CHEMICALS AG, DE

PATENT INFORMATION:

NUMBER KIND DATE

EP 1428814 A1 20040616 German
PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DATE OF AVAILABILITY: 20040616 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION

DESIGNATED STATES:

R: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI
LU MC NL PT RO SE SI SK TR

APPLICATION INFO.: EP 2003-26982 A 20031126

APPL. INFO. TYPE: EPA Patent application

PRIORITY APPL. INFO.: DE 2002-10257357 A 20021209 (DEA, Y)

PRIO. APPL. INFO. TYPE: DEA Patent application

CITED PATENT REF.: GB 1420572 A 19760107 (SEA, pat, Cat: A)
MERCK & CO INC

EP 116323 A1 19840822 (SEA, pat, Cat: A)
BAYER AG, DE

WO 9424081 A1 19941027 (SEA, pat, Cat: A)
PFIZER, US

WO 9742183 A1 19971113 (SEA, pat, Cat: A)
HOFFMANN LA ROCHE, CH

WO 2003057225 A2 20030717 (SEA, pat, Cat: XP)
GENZYME CORP, US

DE 3836161 A1 19900426 (SEA, pat, Cat: X)
BAYER AG, DE

US 4388472 A 19830614 (SEA, pat, Cat: X)
ICI PLC, GB

EP 370219 A1 19900530 (SEA, pat, Cat: X)

BAYER AG, DE

EPO CITED DOCUMENT(S) : XP000802828 (SEA, Cat: X)
 XP000802828 (SEA, Cat: X)
 XP002273154 (SEA, Cat: X)
 XP002273155 (SEA, Cat: X)
 XP002273156 (SEA, Cat: X)
 XP002273157 (SEA, Cat: X)
 XP002273158 (SEA, Cat: X)
 XP002273159 (SEA, Cat: X)
 XP002273160 (SEA, Cat: X)
 XP002273161 (SEA, Cat: X)

CITED NON-PATENT LIT. : (1) SHARMA, G. V. M. ET AL: "Synthesis of 5-fluorosalicylic acid" SYNTHETIC COMMUNICATIONS , 30(3), 397-405 CODEN: SYNCAV; ISSN: 0039-7911, 2000, XP000802828 (SEA, Cat: X)
 (2) BRYCKI B. ET AL. : "Preparation and NMR characterisation of hydrogen bonding in 2- and 2,6-bis-(N,N-diethylaminomethyl)-4R- phenols" JOURNAL OF MOLECULAR STRUCTURE., Bd. 246, Nr. 1, 1991, Seiten 61-71, XP000802828 NLELSEVIER, AMSTERDAM. (SEA, Cat: X)
 (3) ANDRIAMANANTENA, R. ET AL: "Antimalarial activities of new hydroxy(trifluoromethyl) benzylamine salts" EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY , 26(5), 535-7 CODEN: EJMCA5; ISSN: 0223-5234, 1991, XP002273154 (SEA, Cat: X)
 (4) BREAM R. N. ET AL. : "Synthesis of the beta2 agonist (R)-Salmeterol using a sequence of supported reagents and scavenging agents" ORGANIC LETTERS., Bd. 4, Nr. 22, 2002, Seiten 3793-3796, XP002273155 USACS, WASHINGTON, DC. (SEA, Cat: X)
 (5) NELSON P. H. ET AL. : "Structure-activity relationships for inhibition of inosine monophosphate dehydrogenase by nuclear variants of mycophenolic acid" JOURNAL OF MEDICINAL CHEMISTRY., Bd. 39, Nr. 21, 1996, Seiten 4181-4196, XP002273156 USAMERICAN CHEMICAL SOCIETY. WASHINGTON. (SEA, Cat: X)
 (6) BECKER B. C. ET AL. : "Stereochemistry of diphenyl. XXIV. Preparation and properties of 2,2'-difluoro-3,3'-dicarboxy-6,6'-di- methoxydiphenyl" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY., Bd. 54, Nr. 7, 1932, Seiten 2973-2982, XP002273157 USAMERICAN CHEMICAL SOCIETY, WASHINGTON, DC. (SEA, Cat: X)
 (7) FUKUHARA T. ET AL. : "Facile preparation of aromatic fluorides by the fluoro- dediazonation of aromatic diazonium tetrafluoroborates using HF-Pyridine solution" CHEMISTRY LETTERS., Nr. 6, 1994, Seiten 1011-1012, XP002273158 JPCHEMICAL SOCIETY OF JAPAN. TOKYO. (SEA, Cat: X)
 (8) LOCK G. : "]ber die Abspaltung der Aldehydgruppe als Ameisens{ure aus aromatischen Aldehyden, IV: Mitteil. :2- Chlor-6-fluor- und 2,6-Difluor-benzaldehyd." CHEMISCHE BERICHTE., Bd. 69, Nr. 10, 1936, Seiten 2253-2258, XP002273159 DEVERLAG CHEMIE GMBH. WEINHEIM. (SEA, Cat: X)
 (9) ALLEN F. L. ET AL. : "Heterocyclic fluorine compounds-III Monofluoroxanthenes" TETRAHEDRON., Bd. 6, Nr. 4, 1959, Seiten 315-318, XP002273160 NLELSEVIER SCIENCE PUBLISHERS, AMSTERDAM. (SEA, Cat: X)
 (10) FUKUHARA T. ET AL. : "The preparation of p-fluorophenols from p-aminophenols: diazotization and fluorodediazonation in Pyridine-HF" JOURNAL OF FLUORINE CHEMISTRY., Bd. 51, Nr. 2, 1991, Seiten 299-304, XP002273161 CHELSEVIER SEQUOIA. LAUSANNE. (SEA, Cat: X)

CITED REFERENCE COUNT: 18. THERE ARE 18 CITED REFERENCES (8 PATENT, 10 NON PATENT) AVAILABLE FOR THIS RECORD.

IPC VERSION(1-7): 7
 INT. PATENT CLASSIF.:
 MAIN: C07C047-565 (not assigned by patent authority)
 SECONDARY: C07C045-56; C07C047-575; C07C039-27; C07C037-50;
 C07C213-02; C07C215-50; C07C217-58
 IPC RECLASSIFIED: C07C0045-45 [I, A]; C07B0061-00 [I, A];
 C07C0037-50 [I, A]; C07C0039-27 [I, A];
 C07C0045-56 [I, A]; C07C0047-565 [I, A];
 C07C0047-575 [I, A]; C07C0215-50 [I, A];
 C07C0217-58 [I, A]
 CPC CLASSIFICATION: C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565;
 C07C0047-565; C07C0047-575; C07C0045-565,
 C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50,
 C07C0039-27
 ABSTRACT (ENGLISH): Benzaldehyde derivatives (I), phenol derivatives (II)
 (with the exception of 4-fluoro-2-methylphenol) and
 benzylamine derivatives (V) (with the exception of
 5-fluoro-2-hydroxy-N,N-dimethylbenzylamine) are new.
 Benzaldehyde derivatives of formula (I), phenol
 derivatives of formula (II) (with the exception of
 4-fluoro-2-methylphenol) and benzylamine derivatives
 of formula (V) (with the exception of
 5-fluoro-2-hydroxy-N,N-dimethylbenzylamine) are new.
 R1 = 1-12C alkyl, Cl, Br, -A1-A2-C(O)-E or -A1-E;
 A1 = direct bond or 1-8C alkylene; A2 = direct
 bond, O, S or NR2; R2 = H or 1-8C alkyl; E =
 1-8C alkyl, 1-8C alkoxy, mono- or di-(1-8C
 alkyl)-amino or 4-12C cyclic amino; n = 0 to (3-m);
 RF = F, 1-12C fluoroalkyl, 1-12C fluoroalkoxy or
 1-12C fluoroalkylthio; m = 1-3; R3, R4 = 1-8C
 alkyl; or NR3R4 = cyclic group containing 4-12 C
 atoms. An Independent claim is included for the
 preparation of (I).
 ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: transcript
 ABSTRACT (GERMAN): Die vorliegende Erfindung betrifft fluorhaltige
 Benzaldehyde, ein Verfahren zu deren Herstellung sowie
 die Anwendung der fluorhaltigen Benzaldehyde zur
 Herstellung von Wirkstoffen insbesondere in
 Arzneimitteln und Agrochemikalien.
 ABSTRACT LANGUAGE: German
 ABSTRACT SOURCE: EPO
 FIELD AVAILABILITY: AB; ABDE; A1; AN; DAV; CPC; DS; DT; ICM; ICS; IN; INS;
 IPC; IPCR; LA; PA; PAS; PI; PIT; PRAI; REN; REP; REXP;
 TI

LEGAL STATUS

AN 13516150 INPAFAMDB
 20040616 EPAK + DESIGNATED CONTRACTING STATES:
 EP A1
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20040616 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL LT LV MK
 20050209 EP17P + REQUEST FOR EXAMINATION FILED
 20041216
 EXA Examination, Search Report
 20050309 EPAKX + PAYMENT OF DESIGNATION FEES
 AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU
 MC NL PT RO SE SI SK TR
 20050713 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 LANXESS DEUTSCHLAND GMBH
 CHG Change of Owner, Inventor, Applicant
 20060809 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION
 SALTIGO GMBH
 CHG Change of Owner, Inventor, Applicant
 20070919 EPRAP1 TRANSFER OF RIGHTS OF AN EP APPLICATION

SALTIGO GMBH
CHG Change of Owner, Inventor, Applicant
..... 20080619
20081126 EP18D - DEEMED TO BE WITHDRAWN
20080602
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20081127

+-----+
| JAPAN (JP) |
+-----+

MEMBER 4

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20130822 UW 201334
DOCUMENT NUMBER: 46011576
TITLE: METHOD FOR PRODUCING FLUORINATED BENZALDEHYDE, THE
COMPOUND AND INTERMEDIATE PRODUCT FOR THE SAME IN
PROCESS FOR PRODUCING THE SAME.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD: PEILSTOECKER KAREN; MARHOLD ALBRECHT
STANDARDIZED: PEILSTOECKER KAREN; MARHOLD ALBRECHT
PATENT ASSIGNEE(S):
NON-STANDARD: BAYER CHEMICALS AG
STANDARDIZED: BAYER CHEMICALS AG
PATENT INFORMATION:
NUMBER KIND DATE

JP 2004189741 A 20040708
PATENT INFO. TYPE: JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM
19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT
APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM
19790726 ONWARDS]
DATE OF AVAILABILITY: 20040708 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: JP 2003-409405 A 20031208
APPL. INFO. TYPE: JPA Patent application
PRIORITY APPL. INFO.: DE 2002-10257357 A 20021209 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07C045-45 (not assigned by patent authority)
SECONDARY: C07C039-27; C07C047-565; C07C047-575; C07C215-50;
C07C217-58
ADDITIONAL: C07B061-00
IPC RECLASSIFIED : C07C0045-45 [I, A]; C07B0061-00 [I, A];
C07C0037-50 [I, A]; C07C0039-27 [I, A];
C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A];
C07C0217-58 [I, A]
CPC CLASSIFICATION: C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565;
C07C0047-565; C07C0047-575; C07C0045-565,
C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50,
C07C0039-27
JAP. PATENT CLASSIF.: C07B0061-00 300; C07C0215-50; C07C0217-58;
C07C0039-27; C07C0045-45; C07C0047-565; C07C0047-575
FTERM CLASSIF.: 4H006/AA01; 4H006/AA02; 4H006/AB84; 4H006/AC45;
4H006/BA28; 4H006/BA35; 4H006/BA37; 4H006/BA50;
4H006/BA52; 4H006/BA66; 4H006/BJ50; 4H006/BM10;
4H006/BM30; 4H006/BM71; 4H006/BN30; 4H006/BP30;
4H006/BU38; 4H039/CA62; 4H039/CD10
ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide a fluorinated

2-hydroxy-3-methylbenzaldehyde, and to provide a method for efficiently producing the same. SOLUTION: This method for producing a compound of formula (I), for example, 5-fluoro-2-hydroxy-3-methylbenzaldehyde, comprises converting a compound of formula (II) into the compound of formula (I) in the presence of Urotropine (R) and an acid. COPYRIGHT: (C) 2004, JPO&NCIPI.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: PAJ
FIELD AVAILABILITY: AB: AI; AN; DAV; CHG; CPC; DT; FCL; FTRM; ICA; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI
UPDATE CHANGES: AB A

LEGAL STATUS

AN 13516150 INPAFAMDB
20060909 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20060908
EXA Examination, Search Report
..... 20130912
20070518 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
JAPANESE INTERMEDIATE CODE: A761
20070517
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20130613

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| UNITED STATES OF AMERICA (US) |
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MEMBER 5

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20120309 UW 201333
DOCUMENT NUMBER: 49259067
TITLE: Fluorinated benzaldehydes.
TITLE LANGUAGE: English
INVENTOR(S) :
NON-STANDARD: PEILSTOCKER KAREN; MARHOLD ALBRECHT
STANDARDIZED: PEILSTOCKER KAREN, DE; MARHOLD ALBRECHT, DE
PATENT ASSIGNEE(S) :
NON-STANDARD: PEILSTOCKER KAREN; MARHOLD ALBRECHT
PATENT INFORMATION:
NUMBER KIND DATE

US 20040133043 A1 20040708
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DATE OF AVAILABILITY: 20040708 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: US 2003-718758 A 20031121
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: DE 2002-10257357 A 20021209 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07D211-06 (not assigned by patent authority)
SECONDARY: C07C045-90
IPC RECLASSIFIED : C07C0045-45 [I, A]; C07B0061-00 [I, A];
C07C0037-50 [I, A]; C07C0039-27 [I, A];
C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A];
C07C0217-58 [I, A]

CPC CLASSIFICATION: C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565;
C07C0047-565; C07C0047-575; C07C0045-565,
C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50,
C07C0039-27

USCLASS NCLM: 568/312.000
USCLASS NCLS: 546/226.000; 548/530.000; 564/169.000
USCLASS INCLM: 568/312.000
INCLS: 564/169.000; 546/226.000; 548/530.000

ABSTRACT (ENGLISH): The present invention relates to fluorinated
benzaldehydes, to a process for preparing them and
also to the use of the fluorinated benzaldehydes for
preparing active ingredients, especially in
medicaments and agrochemicals.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC;
IPCR; INCL; NCL; PA; PI; PIT; PRAI; TI

ACCESSION NUMBER: 13516150 INPAFAMDB UP 20120309 UW 201333

DOCUMENT NUMBER: 49259067
TITLE: Fluorinated benzaldehydes.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: PEILSTOECKER KAREN; MARHOLD ALBRECHT
STANDARDIZED: PEILSTOECKER KAREN, DE; MARHOLD ALBRECHT, DE

PATENT ASSIGNEE(S):
NON-STANDARD.: BAYER CHEMICAL AKTIENGESELLSCHAFT
STANDARDIZED: BAYER CHEMICAL AG, DE

PATENT INFORMATION:

NUMBER	KIND	DATE
US 6903239	B2	20050607 English

PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
AS SECOND PUBLICATION [FROM 2001 ONWARDS]

DATE OF AVAILABILITY: 20050607 printed-with-grant
PATENT STATUS: GRANTED

APPLICATION INFO.: US 2003-718758 A 20031121
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: DE 2002-10257357 A 20021209 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application
CALC. EXPIR. DATE: 20231121

CITED PATENT REF.:

US 4388472	A	19830614 (APP, pat) ICI PLC, GB
US 4588844	A	19860513 (APP, pat) BAYER AG, DE
US 5294744	A	19940315 (APP, pat) PFIZER, US
US 5955495	A	19990921 (APP, pat) HOFFMANN LA ROCHE, CH
US 20040019113	A1	20040129 (APP, pat) GELTEX PHARMA INC, US
DE 3836161	A1	19900426 (APP, pat) BAYER AG, DE
EP 370219	A1	19900530 (APP, pat) BAYER AG, DE
WO 2001019780	A2	20010322 (APP, pat) ALONSO ALIJA CRISTINA, DE; BAYER AG, DE; DEMBOWSKY KLAUS, US; FLUBACHER DIETMAR, DE; HEIL MARKUS, DE; NAAB PAUL, DE; PERNERSTORFER JOSEF, DE; PERZBORN ELISABETH, DE; STAHL ELKE, DE; STASCH JOHANNES PETER, DE; WUNDER FRANK, DE

EPO CITED DOCUMENT(S): XP002273154 (SEA)
XP002273155 (SEA)
XP002273156 (SEA)
XP002273157 (SEA)
XP002273158 (SEA)

XP002273159 (SEA)
XP002273160 (SEA)
XP002273161 (SEA)
XP000802828 (SEA)
XP000802828 (SEA)

CITED NON-PATENT LIT. :

- (1) Andriamanantena, R. et al: "Antimalarial activities of new hydroxy(trifluoromethyl) benzylamine salts" European Journal of Medicinal Chemistry, 26(5), 535-7 CODEN: EJMCA5; ISSN: 0223-5234, 1991, XP002273154 *das ganze Dokument*. (SEA)
- (2) Bream, R.N. et al: "Synthesis of the beta2 agonist (R)-Salmeterol using a sequence of supported reagents and scavenging agents" Organic Letters., Bd. 4, Nr. 22, 2002, Seiten 3793-3796. XP002273155 USACS, Washington, D.C. *Tabelle I, Verbindung 3*. (SEA)
- (3) Nelson P. H. et al: "Structure-activity relationships for inhibition of inosine monophosphate dehydrogenase by nuclear variants of mycophenolic acid" Journal of Medicinal Chemistry., Bd. 39, Nr. 21, 1996, Seiten 4181-4196, XP002273156 USAmerican Chemical Society. Washington. *Seite 4190, Verbindung 32a; Seite 4192 und 4193, Zwischenprodukte fuer die Herstellung von (3j), (3k) und (3m) *. (SEA)
- (4) Becker B. C. et al: "Stereochemistry of diphenyl. XXIV. Preparation and properties of 2,2'-difluoro-3,3'-dicarboxy-6,6'-dimethoxydiphenyl" Journal of the American Chemical Society., Bd. 54, Nr. 7, 1932, Seiten 2973-2982, XP002273157 USAmerican Chemical Society, Washington, DC. *Seite 2975 und 2982, Verbindung der Formel XIV *. (SEA)
- (5) Fukuhara T. et al: "Facile preparation of aromatic fluorides by the fluorodediazotiation of Aromatic diazonium tetrafluoroborates using HF-pyridine solution" Chemistry Letters., Nr. 6, 1994, Seiten 1011-1012, XP002273158 JPChemical Society of Japan. Tokyo. *Tabelle I, vorletzte Verbindung*. (SEA)
- (6) Lock G.: "Ueber die Abspaltung der Aldehydgruppe als Ameisensaure aus aromatischen Aldehyden, IV: Mitteil.: 2-Chlor-6-fluor- und 2,6-Difluorbenzaldehyd." Chemische Berichte., Bd. 69, Nr. 10, 1936, Seiten 2253-2258, XP002273159 Deverlag Chemie GmbH. Weinheim. *Seite 2256, letzte Absatz*. (SEA)
- (7) Allen F. L. et al.: "Heterocyclic fluorine compounds-III Monofluoroxanthenes" Tetrahedron., Bd. 6, Nr. 4, 1959, Seiten 315-318, XP002273160 NLElsevier Science Publishers, Amsterdam. *Seite 316, "experimental"*. (SEA)
- (8) Fukuhara T. et al: "The preparation of p-fluorophenols from p-aminophenols: diazotization and fluorodediazotiation in Pyridine-HF" Journal of Fluorine Chemistry., Bd. 51, Nr. 2, 1991, Seiten 299-304, XP002273161 CHElsevier Sequoia. Lausanne. *Tabelle 1*. (SEA)
- (9) Sharma, G.V.M. et al: "Synthesis of 5-fluorosalicyclic acid" Synthetic Communications, 30(3), 397-405 CODEN: SYNGAV; ISSN: 0039-7911, 2000, XP000802828 *Verbindung 3*. (SEA)
- (10) Brycki B. et al.: Preparation and NMR characterisation of hydrogen bonding in 2- and 2,6-bis(N,N-diethylaminomethyl)-4R-phenols: Journal of Molecular Structure., Bd. 246, Nr. 1, 1991, Seiten 61-71, XP000802828 NLElsevier, Amsterdam. *Seite 62*. (SEA)
- (11) Suzuki et al., Chem. Pharm. Bull. 1963, 31(5), pp. 1751-1753, "Formylation of Phenols with Electron-withdrawing Groups in Strong Acids. Synthesis

of Substituted Salicylaldehydes". (APP)
CITED REFERENCE COUNT: 19. THERE ARE 19 CITED REFERENCES (8 PATENT, 11 NON PATENT) AVAILABLE FOR THIS RECORD.
CITING PATENT REF.: US 8525131 B2 20130903 [US6903239B2 (APP, pat)]
BOLTON ONAS, US; JEONG EUN JEONG, US; KIM BONG-GI, US; KIM JINSANG, US; LEE KANGWON, US; UNIV MICHIGAN, US
WO 2011066415 A2 20110603 [US6903239B2 (ISR(KR), pat, Cat: A)]
BOLTON ONAS, US; JEONG EUN JEONG, US; KIM BONG-GI, US; KIM JINSANG, US; LEE KANGWON, US; UNIV MICHIGAN, US
CITING PATENT NO. COUNT: 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07C045-37 (not assigned by patent authority)
SECONDARY: C07C039-24; C07C211-00; A61K031-11
IPC RECLASSIFIED : C07C0045-45 [I, A]; C07B0061-00 [I, A];
C07C0037-50 [I, A]; C07C0039-27 [I, A];
C07C0045-56 [I, A]; C07C0047-565 [I, A];
C07C0047-575 [I, A]; C07C0215-50 [I, A];
C07C0217-58 [I, A]
CPC CLASSIFICATION: C07C0215-50; C07C0037-50; C07C0039-27; C07C0045-565;
C07C0047-565; C07C0047-575; C07C0045-565,
C07C0047-565; C07C0045-565, C07C0047-575; C07C0037-50,
C07C0039-27
USCLASS NCLM: 568/436.000
USCLASS NCLS: 564/336.000; 568/442.000; 568/775.000; 568/782.000;
568/796.000
USCLASS INCLM: 568/436.000
INCLS: 568/442.000; 568/775.000; 568/782.000; 568/796.000;
564/336.000; 514/699.000; 514/731.000
ABSTRACT (ENGLISH): The present invention relates to fluorinated benzaldehydes, to a process for preparing them and also to the use of the fluorinated benzaldehydes for preparing active ingredients, especially in medicaments and agrochemicals.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; REXP; TI; XPD

LEGAL STATUS

AN 13516150 INPAFAMDB
20040305 USAS ASSIGNMENT
BAYER CHEMICALS AG, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:PEILSTOECKER, KAREN;MARHOLD, ALBRECHT;REEL/FRAME:014403/0259;SIGNING DATES FROM 20040106 TO 20040118
CHG Change of Owner, Inventor, Applicant
..... 20090312
20061030 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS AG;REEL/FRAME:018454/0850
20061025
CHG Change of Owner, Inventor, Applicant
..... 20090219
20061101 USAS ASSIGNMENT
LANXESS DEUTSCHLAND GMBH, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:BAYER CHEMICALS AG;REEL/FRAME:018463/0687
20061025
CHG Change of Owner, Inventor, Applicant

20081215 USREMI	.....	20090514
	MAINTENANCE FEE REMINDER MAILED	
	.....	20110428
20090607 USLAPS	- LAPSE FOR FAILURE TO PAY MAINTENANCE FEES	
	NIF Lapses, Expiries, Withdrawals, Refusals	
	.....	20110428
20090728 USFP	- EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE	
	20090607	
	NIF Lapses, Expiries, Withdrawals, Refusals	
	.....	20090730

1 priority, 5 applications, 6 publications (1 EPO simple family)

IFAMG 表示形式

TITLE: Method for adapting a magnetic resonance measurement protocol to an examination subject.

PATENT FAMILY INFORMATION

AN 13537959 INPAFAMDB

----- Publications -----+		+----- Applications -----+	
CN 1550208	A 20041201	CN 2004-10043297	A 20040517
DE 10322141	A1 20040902	DE 2003-10322141	A 20030516
US 20050038336	A1 20050217	US 2004-846246	A 20040514

+----- Priorities -----+
DE 2003-10322141 A 20030516

+-----+
| CHINA (CN) |
+-----+

MEMBER 1

ACCESSION NUMBER: 13537959 INPAFAMDB
DOCUMENT NUMBER: 18276964
TITLE: Method for matching magnetic resonant measuring scheme with object to be examined.

TITLE LANGUAGE: English

INVENTOR(S):

NON-STANDARD: NIMSKY INES
STANDARDIZED: INES NIMSKY, DE

PATENT ASSIGNEE(S):

NON-STANDARD: SIEMENS AG
STANDARDIZED: SIEMENS AG, DE

PATENT INFORMATION:

NUMBER	KIND	DATE
--------	------	------

CN 1550208 A 20041201

PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.

DATE OF AVAILABILITY: 20041201 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: CN 2004-10043297 A 20040517

APPL. INFO. TYPE: CNA Patent application

PRIORITY APPL. INFO.: DE 2003-10322141 A 20030516 (DEA, Y)

PRIO. APPL. INFO. TYPE: DEA Patent application

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:

MAIN: A61B005-055 (not assigned by patent authority)

SECONDARY: G01R033-20

IPC RECLASSIFIED: A61B0005-055 [N,A]; G01R0033-54 [I,A]

CPC CLASSIFICATION: G01R0033-54; A61B0005-055

FIELD AVAILABILITY: AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR;

PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13537959 INPAFAMDB

20041201 CNC06 + PUBLICATION

.....20090531

20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)

NIF Lapses, Expiries, Withdrawals, Refusals

.....20090531

+-----+

MEMBER 2

ACCESSION NUMBER: 13537959 INPAFAMDB
DOCUMENT NUMBER: 21263021
TITLE: Adaptation of magnetic resonance metrology record to investigated object, by analyzing measuring data to determine geometric parameters to describe the maximum expansion of the object in each measured dimension.
Verfahren zur Anpassung eines Magnetresonanzmessprotokolls an ein Untersuchungsobjekt.

TITLE LANGUAGE: English; German

INVENTOR(S) :

NON-STANDARD : NIMSKY, INES
STANDARDIZED: NIMSKY INES, DE

PATENT ASSIGNEE(S) :

NON-STANDARD : SIEMENS AG
STANDARDIZED: SIEMENS AG, DE

PATENT INFORMATION:

NUMBER	KIND	DATE
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DE 10322141	A1	20040902
PATENT INFO. TYPE: DEA1 DOC. LAID OPEN (FIRST PUBLICATION)		
DATE OF AVAILABILITY: 20040902 unexamined-printed-without-grant		
PATENT STATUS: PRE-GRANT PUBLICATION		
DE 2003-10322141	A	20030516
APPLICATION INFO.: DE 2003-10322141 A 20030516 (DEA, Y)		
APPL. INFO. TYPE: DE 2003-10322141 A 20030516 (DEA, Y)		
PRIORITY APPL. INFO.: DE 2003-10322141 A 20030516 (DEA, Y)		
PRIO. APPL. INFO. TYPE: DE 2003-10322141 A 20030516 (DEA, Y)		
DE 19943404	A1	20010412 (SEA, pat)
CITED PATENT REF.: SIEMENS AG, DE		
US 6195409	B1	20010227 (SEA, pat)
HARBOR UCLA RES AND EDUCATION, US		
US 5320099	A	19940614 (SEA, pat)
UNIV PENNSYLVANIA, US		

CITED REFERENCE COUNT: 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.

CITING PATENT REF. : DE 102004052894 A1 20060504 [DE10322141A1 (SEA, pat)]
SIEMENS AG, DE
DE 102004052894 B4 20070301 [DE10322141A1 (SEA, pat)]
SIEMENS AG, DE
DE 102009054990 A1 20110622 [DE10322141A1 (SEA, pat)]
SIEMENS AG, DE

CITING PATENT NO. COUNT: 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

IPC VERSION(1-7) : 7

INT. PATENT CLASSIF. :

MAIN: A61B005-055 (not assigned by patent authority)
IPC RECLASSIFIED : A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC CLASSIFICATION: G01R0033-54; A61B0005-055

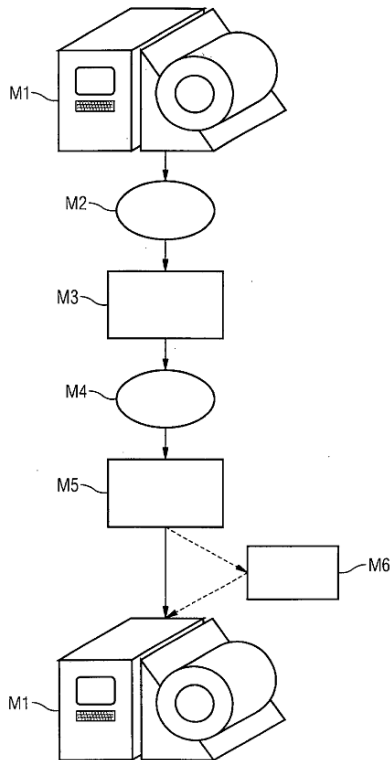
ABSTRACT (ENGLISH): Magnetic resonance localization measurement is executed with respect to an investigated object to obtain measuring data (M2). The measuring data is then analyzed to determine the geometric parameters (M4) to describe the maximum expansion of the object in each measured dimension. The magnetic resonance metrology record (M5) is then adapted to the geometric parameters.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: transcript
 ABSTRACT (GERMAN): Zur Anpassung eines Magnetresonanzmessprotokolls (M5) an ein Untersuchungsobjekt (U) wird eine Magnetresonanzlokalisierungsmessung durchgefuehrt. Dabei aufgenommene Messdaten (M2) werden ausgewertet. Es werden geometrische Parameter zur Beschreibung der maximalen Ausdehnung des Untersuchungsobjekts (U) ermittelt und das Magnetresonanzmessprotokoll (M5) an die geometrischen Parameter angepasst. Dies beschleunigt und vereinfacht die Durchfuehrung von Magnetresonanzuntersuchungen.
 ABSTRACT LANGUAGE: German
 ABSTRACT SOURCE: national office
 FIELD AVAILABILITY: AB; ABDE; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

AN 13537959 INPAFAMDB
 20040902 DEOAV + APPLICANT AGREED TO THE PUBLICATION OF THE UNEXAMINED APPLICATION AS TO PARAGRAPH 31 LIT. 2 Z1
 20040902 DEOP8 + REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW EXA Examination, Search Report
 20050324 DE8131 - REJECTION
 NIF Lapses, Expiries, Withdrawals, Refusals



+-----+
 | UNITED STATES OF AMERICA (US) |
 +-----+

MEMBER 3

ACCESSION NUMBER: 13537959 INPAFAMDB
 DOCUMENT NUMBER: 49850696
 TITLE: Method for adapting a magnetic resonance measurement protocol to an examination subject.
 TITLE LANGUAGE: English
 INVENTOR(S):

NON-STANDARD : NIMSKY INES
STANDARDIZED: NIMSKY INES, DE
PATENT ASSIGNEE(S) :
NON-STANDARD : NIMSKY INES
PATENT INFORMATION:

	NUMBER	KIND	DATE
PATENT INFO. TYPE:	US 20050038336	A1	20050217
DATE OF AVAILABILITY:	USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
PATENT STATUS:	20050217 unexamined-printed-without-grant PRE-GRANT PUBLICATION		
APPLICATION INFO. :	US 2004-846246	A	20040514
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO. :	DE 2003-10322141	A	20030516 (DEA, Y)
PRIO. APPL. INFO. TYPE:	DEA Patent application		
CITING PATENT REF. :	US 20110153255	A1	20110623 [US20050038336A1 (PRS, pat)]
	DE OLIVEIRA ANDRE; HORGER WILHELM		
	US 7388376	B2	20080617 [US20050038336A1 (APP, pat)]
	SIEMENS AG, DE		
	US 8126225	B2	20120228 [US20050038336A1 (APP, pat)]
	GRAF GUDRUN, DE; SIEMENS AG, DE		
	US 8712714	B2	20140429 [US20050038336A1 (SEA, pat)]
	DE OLIVEIRA ANDRE, DE; HORGER WILHELM, DE; SIEMENS AG, DE		

CITING PATENT NO. COUNT: 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

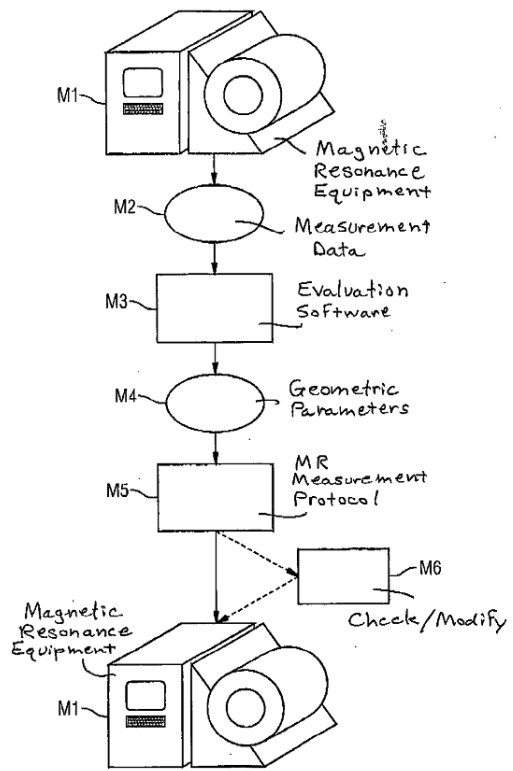
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:

MAIN: A61B005-05 (not assigned by patent authority)
IPC RECLASSIFIED : A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC CLASSIFICATION: G01R0033-54; A61B0005-055
USCLASS NCLM: 600/410.000
USCLASS INCLM: 600/410.000

ABSTRACT (ENGLISH): In order to adapt a magnetic resonance measurement protocol to an examination subject, a magnetic resonance localization measurement is performed. Measurement data obtained In this localization measurement are evaluated. Geometric parameters characterizing the maximum physical extent of the examination subject are determined and the magnetic resonance measurement protocol is adapted to the geometric parameters. This speeds up and simplifies the execution of magnetic resonance examinations.

ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL; PA; PI; PIT; PRAI; TI

LEGAL STATUS
AN 13537959 INPAFAMDB
20040903 USAS ASSIGNMENT
SIEMENS AKTIENGESELLSCHAFT, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:NIMSKY, INES;REEL/FRAME:015757/0475
20040526
CHG Change of Owner, Inventor, Applicant
..... 20090305



1 priority, 3 applications, 3 publications (1 EPO simple family)

LFAM 表示形式

MEMBER 1

AN 13537959 INPAFAMDB
DN 18276964
PI CN 1550208 A 20041201

LEGAL STATUS

AN 13537959 INPAFAMDB
20041201 CNC06 + PUBLICATION
.....20090531
20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20090531

MEMBER 2

AN 13537959 INPAFAMDB
DN 21263021
PI DE 10322141 A1 20040902

LEGAL STATUS

AN 13537959 INPAFAMDB
20040902 DEOAV + APPLICANT AGREED TO THE PUBLICATION OF THE UNEXAMINED
APPLICATION AS TO PARAGRAPH 31 LIT. 2 Z1
20040902 DEOP8 + REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
EXA Examination, Search Report
20050324 DE8131 - REJECTION
NIF Lapses, Expiries, Withdrawals, Refusals

MEMBER 3

AN 13537959 INPAFAMDB
DN 49850696
PI US 20050038336 A1 20050217

LEGAL STATUS

AN 13537959 INPAFAMDB
20040903 USAS ASSIGNMENT
SIEMENS AKTIENGESELLSCHAFT, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:NIMSKY,
INES;REEL/FRAME:015757/0475
20040526
CHG Change of Owner, Inventor, Applicant
.....20090305

1 priority, 3 applications, 3 publications (1 EPO simple family)

MFAM 表示形式

MEMBER 1

AN 13537959 INPAFAMDB
DN 18276964
SFN 32798187
TI Method for matching magnetic resonant measuring scheme with object to be examined.
TL English
IN NIMSKY INES
INS INES NIMSKY, DE
PA SIEMENS AG
PAS SIEMENS AG, DE
DT Patent
PI CN 1550208 A 20041201
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041201 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10043297 A 20040517
AIT CNA Patent application
PRAI DE 2003-10322141 A 20030516 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM A61B005-055
ICS G01R033-20
IPCR A61B0005-055 [N, A]; G01R0033-54 [I, A]
CPC G01R0033-54; A61B0005-055
FA AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13537959 INPAFAMDB
20041201 CNC06 + PUBLICATION20090531
20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals20090531

MEMBER 2

AN 13537959 INPAFAMDB
DN 21263021
SFN 32798187
TI Adaptation of magnetic resonance metrology record to investigated object, by analyzing measuring data to determine geometric parameters to describe the maximum expansion of the object in each measured dimension.
Verfahren zur Anpassung eines Magnetresonanzmessprotokolls an ein Untersuchungsobjekt.
TL English; German
IN NIMSKY, INES
INS NIMSKY INES, DE
PA SIEMENS AG
PAS SIEMENS AG, DE
DT Patent
PI DE 10322141 A1 20040902
PIT DEA1 DOC. LAID OPEN (FIRST PUBLICATION)
DAV 20040902 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI DE 2003-10322141 A 20030516
AIT DEA Patent application
PRAI DE 2003-10322141 A 20030516 (DEA, Y)

PRAIT DEA Patent application
 REP DE 19943404 A1 20010412 (SEA, pat)
 SIEMENS AG, DE
 US 6195409 B1 20010227 (SEA, pat)
 HARBOR UCLA RES AND EDUCATION, US
 US 5320099 A 19940614 (SEA, pat)
 UNIV PENNSYLVANIA, US
 REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.
 CGP DE 102004052894 A1 20060504 [DE10322141A1 (SEA, pat)]
 SIEMENS AG, DE
 DE 102004052894 B4 20070301 [DE10322141A1 (SEA, pat)]
 SIEMENS AG, DE
 DE 102009054990 A1 20110622 [DE10322141A1 (SEA, pat)]
 SIEMENS AG, DE
 PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
 IC.V 7
 ICM A61B005-055
 IPCR A61B0005-055 [N,A]; G01R0033-54 [I,A]
 CPC G01R0033-54; A61B0005-055
 AB Magnetic resonance localization measurement is executed with respect to an investigated object to obtain measuring data (M2). The measuring data is then analyzed to determine the geometric parameters (M4) to describe the maximum expansion of the object in each measured dimension. The magnetic resonance metrology record (M5) is then adapted to the geometric parameters.
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 ABDE Zur Anpassung eines Magnetresonanzmessprotokolls (M5) an ein Untersuchungsobjekt (U) wird eine Magnetresonanzlokalisierungsmessung durchgefuehrt. Dabei aufgenommene Messdaten (M2) werden ausgewertet. Es werden geometrische Parameter zur Beschreibung der maximalen Ausdehnung des Untersuchungsobjekts (U) ermittelt und das Magnetresonanzmessprotokoll (M5) an die geometrischen Parameter angepasst. Dies beschleunigt und vereinfacht die Durchfuehrung von Magnetresonanzuntersuchungen.
 AL German
 AS national office
 FA AB; ABDE; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; REP; TI

LEGAL STATUS

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 20040902 DEOAV + APPLICANT AGREED TO THE PUBLICATION OF THE UNEXAMINED APPLICATION AS TO PARAGRAPH 31 LIT. 2 Z1
 20040902 DEOP8 + REQUEST FOR EXAMINATION AS TO PARAGRAPH 44 PATENT LAW
 EXA Examination, Search Report
 20050324 DE8131 - REJECTION
 NIF Lapses, Expiries, Withdrawals, Refusals

MEMBER 3

AN 13537959 INPAFAMDB
 DN 49850696
 SFN 32798187
 TI Method for adapting a magnetic resonance measurement protocol to an examination subject.
 TL English
 IN NIMSKY INES
 INS NIMSKY INES, DE
 PA NIMSKY INES
 DT Patent
 PI US 20050038336 A1 20050217
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20050217 unexamined-printed-without-grant

STA PRE-GRANT PUBLICATION
AI US 2004-846246 A 20040514
AIT USA Patent application
PRAI DE 2003-10322141 A 20030516 (DEA, Y)
PRAIT DEA Patent application
CGP US 20110153255 A1 20110623 [US20050038336A1 (PRS, pat)]
DE OLIVEIRA ANDRE; HORGER WILHELM
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GRAF GUDRUN, DE; SIEMENS AG, DE
US 8712714 B2 20140429 [US20050038336A1 (SEA, pat)]
DE OLIVEIRA ANDRE, DE; HORGER WILHELM, DE; SIEMENS AG, DE
PNC.G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7

ICM A61B005-05
IPCR A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC G01R0033-54; A61B0005-055
NCL NCLM 600/410.000
INCL INCLM 600/410.000

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FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL; PA; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13537959 INPAFAMDB
20040903 USAS ASSIGNMENT
SIEMENS AKTIENGESELLSCHAFT, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:NIMSKY,
INES:REEL/FRAME:015757/0475
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CHG Change of Owner, Inventor, Applicant
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1 priority, 3 applications, 3 publications (1 EPO simple family)

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TI Method for adapting a magnetic resonance measurement protocol to an examination subject.
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AI US 2004-846246 A 20040514
AIT USA Patent application
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PNC.G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM A61B005-05
IPCR A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC G01R0033-54; A61B0005-055
NCL NCLM 600/410.000
INCL INCLM 600/410.000
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AL English
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CHG Change of Owner, Inventor, Applicant
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MFAMG 表示形式

MEMBER 1

AN 13537959 INPAFAMDB
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PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
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PRAI DE 2003-10322141 A 20030516 (DEA, Y)
PRAIT DEA Patent application
IC.V 7
ICM A61B005-055
ICS G01R033-20
IPCR A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC G01R0033-54; A61B0005-055
FA AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI

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20041201 CNC06 + PUBLICATION
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20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
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IC.V 7

ICM A61B005-055

IPCR A61B0005-055 [N,A]; G01R0033-54 [I,A]

CPC G01R0033-54; A61B0005-055

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AL German

AS national office

FA AB; ABDE; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; PA; PAS;

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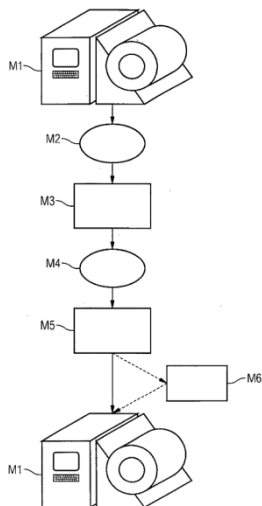
LEGAL STATUS

AN 13537959 INPAFAMDB

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EXA Examination, Search Report

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NIF Lapses, Expiries, Withdrawals, Refusals

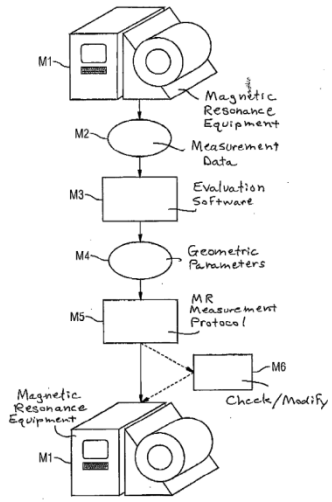


MEMBER 3

AN 13537959 INPAFAMDB
DN 49850696
SFN 32798187
TI Method for adapting a magnetic resonance measurement protocol to an examination subject.
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SIEMENS AG, DE
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GRAF GUDRUN, DE; SIEMENS AG, DE
US 8712714 B2 20140429 [US20050038336A1 (SEA, pat)]
DE OLIVEIRA ANDRE, DE; HORGER WILHELM, DE; SIEMENS AG, DE
PNC.G 4. THERE ARE 4 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC.V 7
ICM A61B005-05
IPCR A61B0005-055 [N, A]; G01R0033-54 [I, A]
CPC G01R0033-54; A61B0005-055
NCL NCLM 600/410.000
INCL INCLM 600/410.000
AB In order to adapt a magnetic resonance measurement protocol to an examination subject, a magnetic resonance localization measurement is performed. Measurement data obtained in this localization measurement are evaluated. Geometric parameters characterizing the maximum physical extent of the examination subject are determined and the magnetic resonance measurement protocol is adapted to the geometric parameters. This speeds up and simplifies the execution of magnetic resonance examinations.
AL English
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FA AB; AI; AN; DAV; GGP; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL; PA; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13537959 INPAFAMDB
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SIEMENS AKTIENGESELLSCHAFT, GERMANY
ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: NIMSKY,
INES; REEL/FRAME: 015757/0475
20040526
CHG Change of Owner, Inventor, Applicant
..... 20090305



1 priority, 3 applications, 3 publications (1 EP0 simple family)

SFAM 表示形式

PATENT FAMILY INFORMATION

AN 3728889 INPAFAMDB

 =====
 EPO simple family (SFN) : 21857910
 =====

+----- Publications -----+		+----- Applications -----+	
AT 220109T	T 20020715	AT 1994-910608	T 19940311
AU 9462933	A 19940926	AU 1994-62933	A 19940311
AU 685092	B2 19980115		
CA 2157769	A1 19940915	CA 1994-2157769	A 19940311
CN 1122147	A 19960508	CN 1994-191972	A 19940311
CN 1055728C	C 20000823		
DE 69430912	D1 20020808	DE 1994-69430912	A 19940311
EP 690923	A1 19960110	EP 1994-910608	A 19940311
EP 690923	B1 20020703		
JP 08509601	A 19961015	JP 1994-519851	A 19940311
US 5518894	A 19960521	US 1993-31154	A 19930312
WO 9420638	A1 19940915	WO 1994-N058	W 19940311

+----- Priorities -----+		+-----+-----+	
WO 1994-N058	W 19940311	(WOWW, 20111007, N)	
US 1993-31154	A 19930312	(USA, 20111007, Y)	
US 1991-653869	A 19910208	(USA2, N)	
US 1987-117481	A 19871105	(USAB, N)	

 =====
 EPO simple family (SFN) : 22373184
 =====

+----- Publications -----+		+----- Applications -----+	
AT 117378T	T 19950215	AT 1988-909391	T 19881103
AT 147790T	T 19970215	AT 1993-201622	T 19881103
AU 8826024	A 19890601	AU 1988-26024	A 19881103
DE 3852825	D1 19950302	DE 1988-3852825	A 19881103
DE 3852825	T2 19950518		
DE 3855762	D1 19970227	DE 1988-3855762	A 19881103
DE 3855762	T2 19970507		
EP 386051	A1 19900912	EP 1988-909391	A 19881103
EP 386051	B1 19950118		
EP 574977	A1 19931222	EP 1993-201622	A 19881103
EP 574977	B1 19970115		
US 5292644	A 19940308	US 1991-653869	A 19910208
WO 8904372	A1 19890518	WO 1988-N083	W 19881103

+----- Priorities -----+		+-----+-----+	
US 1987-117481	A 19871105	(USA, Y)	
WO 1988-N083	W 19881103	(WOWW, N)	
EP 1988-909391	A 19881103	(EPA3, N)	
US 1991-653869	A 19910208	(USA, N)	

6 priorities, 18 applications, 25 publications (2 EPO simple families)