

ALL 表示形式

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
FN 36316384
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 RE FORMAT.
PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPCI 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
AB An electrophoretic display medium includes one or more set of colored
particles in a dielectric fluid, wherein at least one of the one or more
set of particles comprise poly(meth)acrylate/hydrophilic monomer)
emulsion aggregation polymer particles such as poly(methyl
methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion
aggregation polymer particles. The display medium is included in an
electrophoretic display device by including the medium in a multiplicity
of individual reservoirs of a display layer or layers that is located
between conductive substrates.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL;
PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

ALL.M 表示形式

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 Full-text
FN 36316384
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.
IPCI G02B0026-00 [I,A]
CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
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AL English
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FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL;
PA; PAS; PI; PIT; PRAI; TI

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PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
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PUBLICATION [FROM 2001 ONWARDS]
DAV 20080325 printed-with-grant
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AIT USA Patent application
PRAI US 2006-426184 A 20060623 (USA, 20080118, Y)
PRAIT USA Patent application
XPD 20260623
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PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
IPCI 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
AB An electrophoretic display medium includes one or more set of colored particles in a dielectric fluid, wherein at least one of the one or more set of particles comprise poly(meth)acrylate/hydrophilic monomer) emulsion aggregation polymer particles such as poly(methyl methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion aggregation polymer particles. The display medium is included in an electrophoretic display device by including the medium in a multiplicity of individual reservoirs of a display layer or layers that is located between conductive substrates.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

ALL.F 表示形式

MEMBER 1

AN 55718392 INPADOCDB ED 20080214 EW 200807 UP 20081113 UW 200846 Full-text
FN 36316384
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
AB An electrophoretic display medium includes one or more set of colored
particles in a dielectric fluid, wherein at least one of the one or more
set of particles comprise poly(meth)acrylate/hydrophilic monomer)
emulsion aggregation polymer particles such as poly(methyl
methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion
aggregation polymer particles. The display medium is included in an
electrophoretic display device by including the medium in a multiplicity
of individual reservoirs of a display layer or layers that is located
between conductive substrates.
AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; LA; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 55788635 INPADOCDB ED 20080225 EW 200808 UP 20130919 UW 201338 Full-text
FN 36316384
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
 AB PROBLEM TO BE SOLVED: To provide an electrophoretic display device which
 has solvent resistance and particle stability. SOLUTION: An
 electrophoretic display medium (30, 31, 32) includes one or more sets of
 colored particles in a dielectric fluid, wherein at least one of the one
 or more sets of particles comprises poly((meth)acrylate/hydrophilic
 monomer) emulsion aggregation polymer particles such as poly(methyl
 methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion
 aggregation polymer particles. The display medium is included in an
 electrophoretic display device by including the medium in a multiplicity
 of individual reservoirs of a display layer 40 or layers that is located
 between conductive substrates. COPYRIGHT: (C)2008, JPO&INPIT.
 AL English
 AS PAJ
 FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FCL; FTRM; EW; IN; INS; IPC;
 IPCI; PA; PAS; PI; PIT; PRAI; TI
 CHG AB A

 MEMBER 3

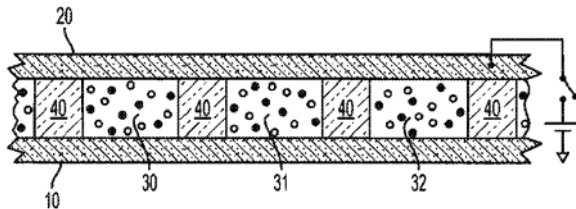
AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 Full-text
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 PA; PAS; PI; PIT; PRAI; TI
 AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text

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CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
NCL NCLM 359/296.000
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INCL INCLM 359/296.000
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1 priority, 3 applications, 4 publications (1 EPO simple family)

ALLG 表示形式

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FN 36316384
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TL English
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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
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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
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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
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AL English
AS national office
FA AB; AI; AN; DAV; CGP; GPC; DT; ED; EW; IN; INS; IPC; IPC1; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD



USA1

ALLO 表示形式

AN 18276957 INPADOCDB UP 20120607 UW 201223 Full-text
 FN 13537954
 TI Manual floor sweeper.
 TL English
 TIO 手动式地面清扫器
 IN SIN TIMMY HOK YIN; HUI CHIU FAI; HOI MA KEVIN KAM
 INS YIN SIN TIMMY HOK, HK; FAI HUI CHIU, HK; KAM HOI MA KEVIN, HK
 INO T·H·Y·洗; 许; H·马
 PA TECHTRONIC IND CO., LTD.
 PAS TECHTRONIC IND CO LTD, HK
 PAO 创科实业有限公司
 DT Patent
 PI CN 1550199 A 20041201
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20041201 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2004-10035181 A 20040414
 AIO A2004100351818
 AIT CNA Patent application
 PRAI US 2003-463324P P 20030417 (USP, 20070830, Y)
 PRAO 60/463324
 PRAIT USP Provisional application
 IC.V 7
 ICM A47L011-22
 IPCR A47L0011-32 [I, A]
 CPC A47L0011-32; A47L0011-4041; A47L0011-4069; A47L0011-4072
 ABOR 一种手动式地面清扫器, 包括外壳和安装在
 在外壳内并可沿清扫方向旋转的刷辊。第一驱动件固定在刷辊上。第二驱动件可旋转地安装在外壳上并与第一驱动件相接合。驱动架可在第一位置和第二位置之间运动, 当清扫器沿第一方向运动时, 驱动架处于第一位置并与第一驱动件接合以使刷辊沿清扫方向旋转, 而当清扫器沿第二方向运动时, 驱动架处于第二位置并与第二驱动件接合以使刷辊沿清扫方向运动。
 ABEQ (EP 1468638 A2)
 A manual floor sweeper includes a housing and a brush roller mounted within the housing and rotatable in a sweeping direction. A first drive member is fixed to the brush roller. A second drive member is mounted rotatably with the housing and engagable with the first drive member. A drive carriage is movable between a first position for engaging the first drive wheel when the sweeper is moved in a first direction so as to rotate the brush roller in the sweeping direction and a second position when the sweeper is moved in a second direction for engaging the second drive member so as to move the brush roller in the sweeping direction.
 AL English
 AS EPO
 FA ABOR; AI; AN; DAV; CHG; CPC; DT; ICM; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI
 CHG IPC A

ALLO.M 表示形式

AN 18277687 INPADOCDB UW 201249 Full-text
FN 13538457
TI Issuing a digital rights management (DRM) license for content based on cross-forest directory information.
TL English
TIO 根据越地区目录信息
对内容产生数字权限
管理(DRM)许可
IN ROZENFELD YEVGENIY EUGENE; NARIN ATTILA; VENKATESH CHANDRAMOULI; WAXMAN PETER DAVID
INS EUGENE ROZENFELD YEVGENIY, US; ATTILA NARIN, US; CHANDRAMOULI VENKATESH, US; DAVID WAXMAN PETER, US
INO P·D·瓦克斯曼; 罗森非尔德
PA MICROSOFT CORP.
PAS MICROSOFT CORP, US
PAO 微软公司
DT Patent
PI CN 1550995 A 20041201
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041201 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10007607 A 20040226
AIO A2004100076079
AIT CNA Patent application
PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
PRAO 10/374,321
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.
IC.V 7
ICM G06F012-14
ICS H04L009-32; G06F017-60
IPC1 G06F0017-00 [I, A]
IPCR G06F0012-14 [I, A]; G06F0021-00 [I, A]; G06F0021-24 [I, A]; G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
GPC H04L0063-105; G06F0021-6227; H04L2463-101
ABOR 一个组织维持至少包括区域 A 和区域 B 的计算机网络, 其中区域 A 具有目录 A 和能够查询目录 A 的查询实体 A, 而区域 B 具有目录 B 和能够查询目录 B 的查询实体 B。查询实体 A 从用户接收请求, 并至少部分地根据该用户是否该组的成员决定是否准许该请求。于是, 查询实体 A 查询目录 A 以返回有关该组的信息; 导向区域 B; 接触查询实体 B; 请求查询实体 B 查询目录 B 该用户是否该组的成员; 接收应答; 并至少部分地根据该用户是否该组的成员准许从用户来的请求。
ABEQ (EP 1452942 A2)
An organization maintains a computer network comprising at least a forest A and a forest B, where forest A has a directory A and a querying entity A capable of querying directory A, and forest B has a directory B and a querying entity B capable of querying directory B. Querying entity A receives a request from the user and decides whether to grant the request

based at least in part on whether the user is a member of the group. Thus, querying entity A queries directory A to return information on the group, is directed to forest B, contacts querying entity B, requests querying entity B to query directory B whether the user is a member of the group, receives a response, and grants the request from the user based at least in part on whether the user is a member of the group.

AL English
AS EPO
FA ABOR; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; TI

AN 18277687 INPADOCDB ED 20120628 EW 201226 UP 20121108 UW 201249 Full-text
FN 13538457
TI Issuing a digital rights management (DRM) license for content based on cross-forest directory information.

TL English
IN VENKATESH CHANDRAMOULI; NARIN ATTILA; WAXMAN PETER DAVID; ROZENFELD YEVGENIY EUGENE
INS CHANDRAMOULI VENKATESH; ATTILA NARIN; DAVID WAXMAN PETER; EUGENE ROZENFELD YEVGENIY
PA MICROSOFT CORP.
PAS MICROSOFT CORP
DT Patent
PI CN 1550995B B 20120620 English
PIT CNB EXAMINED APPLICATION [FROM 19850401 UNTIL 19921231] or GRANTED PATENT FOR INVENTION [FROM 20100407 ONWARDS]
DAV 20120620 printed-with-grant
STA GRANTED
AI CN 2004-10007607 A 20040226
AIO 2004100076079
AIT CNA Patent application
PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
PRAO 10/374, 321
PRAIT USA Patent application
XPD 20240226
IPCI G06F0012-14 [I, A]; G06F0017-00 [I, A]; H04L0009-32 [I, A]
IPCR G06F0021-00 [I, A]; G06F0021-24 [I, A]; G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
CPC H04L0063-105; G06F0021-6227; H04L2463-101
AB An organization maintains a computer network comprising at least a forest A and a forest B, where forest A has a directory A and a querying entity A capable of querying directory A, and forest B has a directory B and a querying entity B capable of querying directory B. Querying entity A receives a request from the user and decides whether to grant the request based at least in part on whether the user is a member of the group. Thus, querying entity A queries directory A to return information on the group, is directed to forest B, contacts querying entity B, requests querying entity B to query directory B whether the user is a member of the group, receives a response, and grants the request from the user based at least in part on whether the user is a member of the group.

AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD

ALLO.F 表示形式

MEMBER 1

AN 18277691 INPADOCDB UP 20071122 UW 200747 Full-text
 FN 13538461
 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 18277691 INPADOCDB ED 20081113 EW 200846 UP 20081211 UW 200850 Full-text
 FN 13538461
 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
 IPCI 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

MEMBER 2

AN 46159799 INPADOCDB UP 20130822 UW 201334 Full-text
FN 13538461
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
PNC.G 2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
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

MEMBER 3

AN 49792733 INPADOCDB UP 20071122 UW 200747 Full-text
FN 13538461
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
 PNC.G 5. THERE ARE 5 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
 CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
 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

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

IALI 表示形式

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
 ED 20080403 EW 200814 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: Electrophoretic display medium containing solvent resistant emulsion aggregation particles.

TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325

English

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

DATE OF AVAILABILITY: 20080325 printed-with-grant

PATENT STATUS: GRANTED

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CALC. EXPIR. DATE: 20260623

CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.

CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.

IPC ORIGINAL (ADV): G02B0026-00 [I, A]; G03G0017-04 [I, A];
 G09G0003-34 [I, A]

CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672;
 G02F2001-1678; G02F2202-022

USCLASS NCLM: 359/296.000

USCLASS NCLS: 345/107.000; 430/032.000

USCLASS INCLM: 359/296.000

INCLS: 345/107.000; 430/032.000

ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more set of colored particles in a dielectric fluid, wherein at least one of the one or more set of particles comprise poly(meth)acrylate/hydrophilic monomer) emulsion aggregation polymer particles such as poly(methyl methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion aggregation polymer particles. The display medium is included in an electrophoretic display device by including the medium in a multiplicity of individual reservoirs of a display layer or layers that is located between conductive substrates.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

IALL.M 表示形式

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
ED 20080118 EW 200803 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT
RESISTANT EMULSION AGGREGATION PARTICLES.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070297038	A1	20071227 English

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

DATE OF AVAILABILITY: 20071227 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CITING PATENT NO. COUNT: 19. THERE ARE 19 CITING PATENT REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE
IN THE CGP FORMAT.

IPC ORIGINAL (ADV): G02B0026-00 [I, A]

CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672;
G02F2001-1678; G02F2202-022

USCLASS NCLM: 359/296.000

USCLASS INCLM: 359/296.000

ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more
set of colored particles in a dielectric fluid,
wherein at least one of the one or more set of
particles comprise poly(meth)acrylate/hydrophilic
monomer) emulsion aggregation polymer particles such
as poly(methyl methacrylate/butyl
acrylate/beta-carboxyethylacrylate) emulsion
aggregation polymer particles. The display medium is
included in an electrophoretic display device by
including the medium in a multiplicity of individual
reservoirs of a display layer or layers that is
located between conductive substrates.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC;
IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI

ACCESSION NUMBER: 55566757 INPADOCDB
ED 20080403 EW 200814 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: Electrophoretic display medium containing solvent
resistant emulsion aggregation particles.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
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US 7349147 B2 20080325 English
PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
 AS SECOND PUBLICATION [FROM 2001 ONWARDS]
DATE OF AVAILABILITY: 20080325 printed-with-grant
PATENT STATUS: GRANTED
APPLICATION INFO.: US 2006-426184 A 20060623
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
PRIO. APPL. INFO. TYPE: USA Patent application
CALC. EXPIR. DATE: 20260623
CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON
 PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
 AVAILABLE IN THE RE FORMAT.
CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN
 THE CGP FORMAT.
IPC ORIGINAL (ADV): G02B0026-00 [I, A]; G03G0017-04 [I, A];
 G09G0003-34 [I, A]
CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672;
 G02F2001-1678; G02F2202-022
USCLASS NCLM: 359/296.000
USCLASS NCLS: 345/107.000; 430/032.000
USCLASS INCLM: 359/296.000
 INCLS: 345/107.000; 430/032.000
ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more
 set of colored particles in a dielectric fluid,
 wherein at least one of the one or more set of
 particles comprise poly(meth)acrylate/hydrophilic
 monomer) emulsion aggregation polymer particles such
 as poly(methyl methacrylate/butyl
 acrylate/beta-carboxyethylacrylate) emulsion
 aggregation polymer particles. The display medium is
 included in an electrophoretic display device by
 including the medium in a multiplicity of individual
 reservoirs of a display layer or layers that is
 located between conductive substrates.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC;
 IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP;
 TI; XPD

IALL. F 表示形式

MEMBER 1

ACCESSION NUMBER: 55718392 INPADOCDB Full-text
ED 20080214 EW 200807 UP 20081113 UW 200846
FAMILY NUMBER: 36316384
TITLE: Electrophoretic display medium containing solvent
resistant emulsion aggregation particles.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV
STANDARDIZED: NAVEEN CHOPRA, US; BARKEV KEOSHKERIAN, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:
NUMBER KIND DATE

CN 101093337 A 20071226 English
PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20071226 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2007-10126218 A 20070622
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC ORIGINAL (ADV): G02F0001-167 [I, A]
CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672;
G02F2001-1678; G02F2202-022
ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more
set of colored particles in a dielectric fluid,
wherein at least one of the one or more set of
particles comprise poly(meth)acrylate/hydrophilic
monomer) emulsion aggregation polymer particles such
as poly(methyl methacrylate/butyl
acrylate/beta-carboxyethylacrylate) emulsion
aggregation polymer particles. The display medium is
included in an electrophoretic display device by
including the medium in a multiplicity of individual
reservoirs of a display layer or layers that is
located between conductive substrates.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI;
LA; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

ACCESSION NUMBER: 55788635 INPADOCDB Full-text
ED 20080225 EW 200808 UP 20130919 UW 201338
FAMILY NUMBER: 36316384
TITLE: ELECTROPHORETIC DISPLAY MEDIUM.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP
STANDARDIZED: XEROX CORP
PATENT INFORMATION:
NUMBER KIND DATE

PATENT INFO. TYPE: JP 2008003600 A 20080110
 JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM
 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT
 APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM
 19790726 ONWARDS]

DATE OF AVAILABILITY: 20080110 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2007-162162 A 20070620
 APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application

IPC ORIGINAL (ADV): G02F0001-167 [I,A]; G02F0001-17 [I,A]
 CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672;
 G02F2001-1678; G02F2202-022

JAP. PATENT CLASSIF.: G02F0001-167; G02F0001-17
 FTERM CLASSIF.: 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

ABSTRACT (ENGLISH): PROBLEM TO BE SOLVED: To provide an electrophoretic
 display device which has solvent resistance and
 particle stability. SOLUTION: An electrophoretic
 display medium (30, 31, 32) includes one or more sets
 of colored particles in a dielectric fluid, wherein at
 least one of the one or more sets of particles
 comprises poly((meth)acrylate/hydrophilic monomer)
 emulsion aggregation polymer particles such as
 poly(methyl methacrylate/butyl
 acrylate/beta-carboxyethylacrylate) emulsion
 aggregation polymer particles. The display medium is
 included in an electrophoretic display device by
 including the medium in a multiplicity of individual
 reservoirs of a display layer 40 or layers that is
 located between conductive substrates. COPYRIGHT:
 (C) 2008, JPO&INPIT.

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

UPDATE CHANGES: AB A

 MEMBER 3

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
 ED 20080118 EW 200803 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT
 RESISTANT EMULSION AGGREGATION PARTICLES.

TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
 PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070297038	A1	20071227 English

PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DATE OF AVAILABILITY: 20071227 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: US 2006-426184 A 20060623
 APPL. INFO. TYPE: USA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 IPC ORIGINAL (ADV): G02B0026-00 [I, A]
 CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
 USCLASS NCLM: 359/296.000
 USCLASS INCLM: 359/296.000
 ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more set of colored particles in a dielectric fluid, wherein at least one of the one or more set of particles comprise poly(meth)acrylate/hydrophilic monomer) emulsion aggregation polymer particles such as poly(methyl methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion aggregation polymer particles. The display medium is included in an electrophoretic display device by including the medium in a multiplicity of individual reservoirs of a display layer or layers that is located between conductive substrates.
 ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: national office
 FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI
 ACCESSION NUMBER: 55566757 INPADOCDB
 ED 20080403 EW 200814 UP 20080605 UW 200823
 FAMILY NUMBER: 36316384
 TITLE: Electrophoretic display medium containing solvent resistant emulsion aggregation particles.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORPORATION
 STANDARDIZED: XEROX CORP, US
 PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325 English

 PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND PUBLICATION [FROM 2001 ONWARDS]
 DATE OF AVAILABILITY: 20080325 printed-with-grant
 PATENT STATUS: GRANTED
 APPLICATION INFO.: US 2006-426184 A 20060623
 APPL. INFO. TYPE: USA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CALC. EXPIR. DATE: 20260623
 CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.
 IPC ORIGINAL (ADV): G02B0026-00 [I, A]; G03G0017-04 [I, A]; G09G0003-34 [I, A]
 CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
 USCLASS NCLM: 359/296.000
 USCLASS NCLS: 345/107.000; 430/032.000
 USCLASS INCLM: 359/296.000
 INCLS: 345/107.000; 430/032.000

ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more set of colored particles in a dielectric fluid, wherein at least one of the one or more set of particles comprise poly(meth)acrylate/hydrophilic monomer) emulsion aggregation polymer particles such as poly(methyl methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion aggregation polymer particles. The display medium is included in an electrophoretic display device by including the medium in a multiplicity of individual reservoirs of a display layer or layers that is located between conductive substrates.

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

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

IALLG 表示形式

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
 ED 20080403 EW 200814 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: Electrophoretic display medium containing solvent resistant emulsion aggregation particles.

TITLE LANGUAGE: English

INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325 English

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

DATE OF AVAILABILITY: 20080325 printed-with-grant

PATENT STATUS: GRANTED

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CALC. EXPIR. DATE: 20260623

CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.

CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.

IPC ORIGINAL (ADV): G02B0026-00 [I, A]; G03G0017-04 [I, A]; G09G0003-34 [I, A]

CPC CLASSIFICATION: G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022

USCLASS NCLM: 359/296.000

USCLASS NCLS: 345/107.000; 430/032.000

USCLASS INCLM: 359/296.000

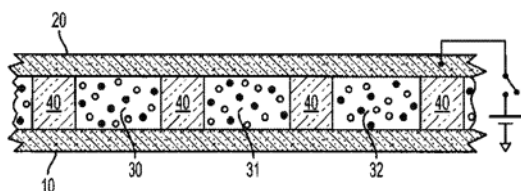
INCLS: 345/107.000; 430/032.000

ABSTRACT (ENGLISH): An electrophoretic display medium includes one or more set of colored particles in a dielectric fluid, wherein at least one of the one or more set of particles comprise poly(meth)acrylate/hydrophilic monomer) emulsion aggregation polymer particles such as poly(methyl methacrylate/butyl acrylate/beta-carboxyethylacrylate) emulsion aggregation polymer particles. The display medium is included in an electrophoretic display device by including the medium in a multiplicity of individual reservoirs of a display layer or layers that is located between conductive substrates.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD



BIB 表示形式

AN 13537954 INPADOCDB ED 20081211 EW 200850 UW 201224 Full-text
FN 7623982
TI DIGITAL VIDEO APPARATUS USER INTERFACE.
INTERFACE UTILISATEUR POUR APPAREIL VIDEO NUMERIQUE.
TL English; French
IN DESAI, PRATISH RATILAL; LEWIS, DEBBIE INDIRA; MILLER, ROBERT HOWARD
INS DESAI PRATISH RATILAL, US; LEWIS DEBBIE INDIRA, US; MILLER ROBERT HOWARD,
US
PA THOMSON LICENSING
PAS THOMSON LICENSING, FR
DT Patent
PI CA 2336578 C 20081118 English
PIT CAC PATENT (PUBLISHED FROM 19901016 ONWARDS) [FROM NO. 1275151 TO
2000000] or PATENT (SECOND LEVEL) [FROM NO. 2000001 ONWARDS]
DAV 20081118 printed-with-grant
STA GRANTED
AI CA 1999-2336578 A 19990720
AIT CAA Patent application
PRAI US 1998-93423P P 19980720 (USP, 20071102, Y)
WO 1999-US16381 W 19990720 (WOWW, 20071102, N)
PRAIT USP Provisional application
WOWW Additional PCT application
XPD 20190720

BIB. M 表示形式 (デフォルトの表示形式)

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 Full-text
FN 36316384
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.

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823
FN 36316384
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 RE FORMAT.
PNC. G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT

BIB. F 表示形式

MEMBER 1

AN 55718392 INPADOCDB ED 20080214 EW 200807 UP 20081113 UW 200846 [Full-text](#)
FN 36316384
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

MEMBER 2

AN 55788635 INPADOCDB ED 20080225 EW 200808 UP 20130919 UW 201338 [Full-text](#)
FN 36316384
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.

MEMBER 3

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 [Full-text](#)
FN 36316384
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.

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
FN 36316384
TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
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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 RE FORMAT.
PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.

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

BIBLS 表示形式

AN 71445511 INPADOCDB ED 20130110 EW 201302 UP 20140306 UW 201410 Full-text
FN 46063904
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 71445511 INPADOCDB ED 20140626 EW 201426 UP 20140626 UW 201426 Full-text
FN 46063904
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 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 71445511 INPADOCDB Full-text
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

BIBLS. M 表示形式

AN 71445511 INPADOCDB ED 20130110 EW 201302 UP 20140306 UW 201410 Full-text
FN 46063904
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 71445511 INPADOCDB ED 20140626 EW 201426 UP 20140626 UW 201426 Full-text
FN 46063904
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 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 71445511 INPADOCDB Full-text
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

BIBLS. F 表示形式

MEMBER 1

AN 76624127 INPADOCDB ED 20140501 EW 201418 UP 20140501 UW 201418 Full-text
FN 46063904
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 76624127 INPADOCDB Full-text
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 71445511 INPADOCDB ED 20130110 EW 201302 UP 20140306 UW 201410 Full-text
FN 46063904
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 71445511 INPADOCDB ED 20140626 EW 201426 UP 20140626 UW 201426 [Full-text](#)
FN 46063904
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 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
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 71445504 INPADOCDB ED 20130110 EW 201302 UP 20140306 UW 201410 [Full-text](#)
FN 46063904
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 71445504 INPADOCDB ED 20140619 EW 201425 UP 20140619 UW 201425 [Full-text](#)
FN 46063904
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
 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
 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 71458039 INPADOCDB ED 20130110 EW 201302 UW 201407 Full-text
 FN 46063904
 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
 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
 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

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: 55566757 INPADOCDB Full-text
ED 20080403 EW 200814 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: Electrophoretic display medium containing solvent
resistant emulsion aggregation particles.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325 English

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

DATE OF AVAILABILITY: 20080325 printed-with-grant

PATENT STATUS: GRANTED

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CALC. EXPIR. DATE: 20260623

CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON
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CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN
THE CGP FORMAT.

IBIB.M 表示形式

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
 ED 20080118 EW 200803 UP 20080605 UW 200823
 FAMILY NUMBER: 36316384
 TITLE: ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT
 RESISTANT EMULSION AGGREGATION PARTICLES.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
 PETER M, CA
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORPORATION
 STANDARDIZED: XEROX CORP, US
 PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070297038	A1	20071227 English

PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
 ONWARDS]
 DATE OF AVAILABILITY: 20071227 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: US 2006-426184 A 20060623
 APPL. INFO. TYPE: USA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CITING PATENT NO. COUNT: 19. THERE ARE 19 CITING PATENT REFERENCES AVAILABLE
 FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE
 IN THE CGP FORMAT.

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
 ED 20080403 EW 200814 UP 20080605 UW 200823
 FAMILY NUMBER: 36316384
 TITLE: Electrophoretic display medium containing solvent
 resistant emulsion aggregation particles.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
 PETER M, CA
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORPORATION
 STANDARDIZED: XEROX CORP, US
 PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325 English

PATENT INFO. TYPE: USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
 AS SECOND PUBLICATION [FROM 2001 ONWARDS]
 DATE OF AVAILABILITY: 20080325 printed-with-grant
 PATENT STATUS: GRANTED
 APPLICATION INFO.: US 2006-426184 A 20060623
 APPL. INFO. TYPE: USA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CALC. EXPIR. DATE: 20260623
 CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON
 PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
 AVAILABLE IN THE RE FORMAT.
 CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN
 THE CGP FORMAT.

IBIB.F 表示形式

MEMBER 1

ACCESSION NUMBER: 55718392 INPADOCDB Full-text
 ED 20080214 EW 200807 UP 20081113 UW 200846
 FAMILY NUMBER: 36316384
 TITLE: Electrophoretic display medium containing solvent
 resistant emulsion aggregation particles.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV
 STANDARDIZED: NAVEEN CHOPRA, US; BARKEV KEOSHKERIAN, US
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP.
 STANDARDIZED: XEROX CORP, US
 PATENT INFORMATION:

NUMBER	KIND	DATE
CN 101093337	A	20071226 English

PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DATE OF AVAILABILITY: 20071226 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: CN 2007-10126218 A 20070622
 APPL. INFO. TYPE: CNA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application

MEMBER 2

ACCESSION NUMBER: 55788635 INPADOCDB Full-text
 ED 20080225 EW 200808 UP 20130919 UW 201338
 FAMILY NUMBER: 36316384
 TITLE: ELECTROPHORETIC DISPLAY MEDIUM.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 STANDARDIZED: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP
 STANDARDIZED: XEROX CORP
 PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2008003600	A	20080110

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: 20080110 unexamined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 APPLICATION INFO.: JP 2007-162162 A 20070620
 APPL. INFO. TYPE: JPA Patent application
 PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CITING PATENT NO. COUNT: 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR
 THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN
 THE CGP FORMAT.

MEMBER 3

ACCESSION NUMBER: 55566757 INPADOCDB Full-text
ED 20080118 EW 200803 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT
RESISTANT EMULSION AGGREGATION PARTICLES.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 20070297038	A1	20071227 English

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

DATE OF AVAILABILITY: 20071227 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CITING PATENT NO. COUNT: 19. THERE ARE 19 CITING PATENT REFERENCES AVAILABLE
FOR THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE
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ACCESSION NUMBER: 55566757 INPADOCDB Full-text
ED 20080403 EW 200814 UP 20080605 UW 200823

FAMILY NUMBER: 36316384

TITLE: Electrophoretic display medium containing solvent
resistant emulsion aggregation particles.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
STANDARDIZED: CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER
PETER M, CA

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

PATENT INFORMATION:

NUMBER	KIND	DATE
US 7349147	B2	20080325 English

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

DATE OF AVAILABILITY: 20080325 printed-with-grant

PATENT STATUS: GRANTED

APPLICATION INFO.: US 2006-426184 A 20060623

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2006-426184 A 20060623 (USA, 20080118, Y)

PRIO. APPL. INFO. TYPE: USA Patent application

CALC. EXPIR. DATE: 20260623

CITED REFERENCE COUNT: 35. THERE ARE 35 CITED REFERENCES (32 PATENT, 3 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
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CITING PATENT NO. COUNT: 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITING REFERENCES ARE AVAILABLE IN
THE CGP FORMAT.

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

BRIEF 表示形式

AN 66395219 INPADOCDB FN 42694215 EDP 20111027 Full-text
TI MOBILE COMMUNICATION METHOD AND RELAY NODE.
INS TAKAHASHI HIDEAKI; HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO;
ISHII MINAMI
PAS NTT DOCOMO INC
PI JP 2011193246 A 20110929
JP 4814383B B2 20111116
DT Patent
AI JP 2010-57871 A 20100315
PRAI JP 2010-57871 A 20100315 (JPA, 20110929, Y)
IPC1 H04W0016-26 [I,A]; H04W0028-04 [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
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 PROBLEM TO BE SOLVED: To apply synchronous HARQ control in an
LTE-Advanced system. SOLUTION: This relay node RN includes: an MBSFN
subframe setting information acquisition unit 11 configured to acquire
setting information from a wireless base station DeNE in RRC connection
setting processing with a wireless base station therebetween; a receiving
unit 14 configured to receive an uplink signal from a mobile station UE
during a first period and receive a downlink signal from the wireless
base station DeNB in an MBSFN subframe on the basis of the acquired
setting information; and a transmission unit 13 configured to transmit
the downlink signal to the mobile station UE during a second period,
wherein the transmission unit 13 and the receiving unit 14 are configured
to alternately switch the first period with the second period to make the
switch period half of an RTT of the synchronous HARQ control. COPYRIGHT:
(C) 2011, JPO&INPIT.

IND 表示形式

ICM C07D211-06
 ICM C07C045-37
 ICS C07C045-90
 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 568/312.000
 NCL NCLM 568/436.000
 NCLS 546/226.000; 548/530.000; 564/169.000
 NCLS 564/336.000; 568/442.000; 568/775.000; 568/782.000; 568/796.000
 INCL INCLM 568/312.000
 INCL INCLM 568/436.000
 INCLS 564/169.000; 546/226.000; 548/530.000
 INCLS 568/442.000; 568/775.000; 568/782.000; 568/796.000; 564/336.000;
 514/699.000; 514/731.000

IND. M 表示形式

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
 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

IND. F 表示形式

MEMBER 1

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

MEMBER 2

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

MEMBER 3

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

MEMBER 4

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

MEMBER 5

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
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

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

LS 表示形式

LEGAL STATUS

AN 53092256 INPADOCDB
20051104 EPA PRI Patent application
EP 2005-425775 A 20051104
.....20070510
20051104 EPA APP Patent application
EP 2005-425775 A 20051104
.....20070510
20070509 EPA1 PUB APPLICATION PUBLISHED WITH SEARCH REPORT
EP 1782988 A1 20070509
.....20070510
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

LS.F 表示形式

LEGAL STATUS

AN 53431740 INPADOCDB
 20051104 EPA PRI Patent application
 EP 2005-425775 A 20051104
 20070510
 20051104 EPA APP Patent application
 EP 2005-425775 A 20051104
 20070510
 20061101 BRA APP Patent application
 BR 2006-4766 A 20061101
 20070906
 20061101 JPA APP Patent application
 JP 2006-297957 A 20061101
 20070823
 20061103 CNA APP Patent application
 CN 2006-10138054 A 20061103
 20071206
 20061103 USA APP Patent application
 US 2006-556286 A 20061103
 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
 20070510
 20070509 EP17P + REQUEST FOR EXAMINATION FILED
 [EP 2005-425775 A 20051104]
 20060921
 EXA Examination, Search Report
 20070510
 20070621 USA1 PUB FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 [US 2006-556286 A1 20061103]
 US 20070137906 A1 20070621
 20070705
 20070719 JPA PUB PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716
 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION
 (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726
 ONWARDS]
 [JP 2006-297957 A 20061101]
 JP 2007182215 A 20070719
 20070823
 20070808 CNA PUB UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 [CN 2006-10138054 A 20061103]
 CN 101011932 A 20070808
 20071206
 20070808 CNC06 + PUBLICATION
 [CN 2006-10138054 A 20061103]
 20090514

LS2 表示形式

LEGAL STATUS

AN 53092256 INPADOCDB EDPR 20070510 Full-text
PRD 20051104
PRK EPA
PRAIT Patent application
PRAI EP 2005-425775 A 20051104
PRI

AN 53092256 INPADOCDB EDP 20070510 Full-text
AD 20051104
AK EPA
AIT Patent application
AI EP 2005-425775 A 20051104
APP

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

AN 53092256 INPADOCDB UPLS 20070510 Full-text
LSD 20070509
LSC EPAK
LSCI +
LSTX DESIGNATED CONTRACTING STATES:
LSPI 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
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
LSD 20070509
LSC EP17P
LSCI +
LSTX REQUEST FOR EXAMINATION FILED
LSDF 20060921
LSC2 EXA Examination, Search Report

AN 53092256 INPADOCDB UPLS 20080118 Full-text
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
LSD 20081112
LSC EP18D
LSCI -
LSTX DEEMED TO BE WITHDRAWN
LSDF 20080520
LSC2 NIF Lapses, Expiries, Withdrawals, Refusals

LSUP 表示形式

LEGAL STATUS UPDATE

AN 53092256 INPADOCDB

20081112 EP18D - DEEMED TO BE WITHDRAWN
20080520

NIF Lapses, Expiries, Withdrawals, Refusals

.....20081113

MAX 表示形式

AN 70704280 INPADOCDB ED 20110630 EW 201126 UP 20140130 UW 201405 Full-text
FN 7554699
DT Patent
PI JP 2003527044 A 20030909
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20030909 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2001-567208 A 20010212
AIT JPA Patent application
PRAI US 2000-525806 A 20000315 (USA, 20070315, Y)
WO 2001-US4481 W 20010212 (WOWW, 20080327, N)
PRAIT USA Patent application
WOWW Additional PCT application
REP JP 09187081 A 19970715 (EXA, pat)
ALCATEL MOBILE COMM FRANCE, FR
JP 08205237 A 19960809 (EXA, pat)
TOSHIBA COMMUNICATION TECH; TOSHIBA CORP
WO 2000001180 A1 20000106 (EXA, pat)
ERICSSON TELEFON AB L M, SE
JP 11308360 A 19991105 (EXA, pat)
KENWOOD CORP
JP 11234189 A 19990827 (EXA, pat)
TOSHIBA CORP
JP 05336109 A 19931217 (EXA, pat)
TOSHIBA CORP
REC 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
IC.V 7
ICM H04Q007-38
ICS G06F003-00; H04M001-66
IPCR G06F0003-048 [I,A]; H04M0001-66 [I,A]; H04W0012-12 [I,A]
CPC H04W0012-12; H04W0012-10
AB A mobile communications device is adapted to use applications resident on
a remote network server. The display of the mobile device is divided into
static and dynamic display zones. Inquiries originating externally from
the mobile device are identified and restrictively routed only to the
dynamic display. Internally generated inquiries trigger a indicator
symbol within the static display. In this manner bogus requests for
confidential identifiers may be avoided.
AL English
AS EPO
FA AB; AI; AN; DAV; CHG; CPC; DT; ED; EW; ICM; ICS; IPC; IPCR; PI; PIT;
PRAI; REP
CHG IPC A

AN 70704280 INPADOCDB ED 20101202 EW 201048 UP 20140130 UW 201405 Full-text
FN 7554699
DT Patent
PI JP 4567272B B2 20101020
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20101020 printed-with-grant
STA GRANTED
AI JP 2001-567208 A 20010212
AIT JPA Patent application
PRAI US 2000-525806 A 20000315 (USA, 20070315, Y)
WO 2001-US4481 W 20010212 (WOWW, 20080327, N)
PRAIT USA Patent application
WOWW Additional PCT application
XPD 20210212
IPCI H04W0012-12 [I,A]; H04M0001-66 [I,A]
IPCR G06F0003-048 [I,A]

CPC H04W0012-12; H04W0012-10
 AB A mobile communications device is adapted to use applications resident on a remote network server. The display of the mobile device is divided into static and dynamic display zones. Inquiries originating externally from the mobile device are identified and restrictively routed only to the dynamic display. Internally generated inquiries trigger a indicator symbol within the static display. In this manner bogus requests for confidential identifiers may be avoided.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CHG; CPC; DT; ED; EW; IPC; IPCI; IPCR; PI; PIT; PRAI; XPD
 CHG IPC A

LEGAL STATUS

AN 70704280 INPADOCDB Full-text
 20080213 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20080212
 EXA Examination, Search Report
 20130418
 20080227 JPA521 WRITTEN AMENDMENT
 JAPANESE INTERMEDIATE CODE: A523
 20080226
 20130418
 20100702 JPA977 REPORT ON RETRIEVAL
 JAPANESE INTERMEDIATE CODE: A971007
 20100702
 20121025
 20100702 JPTRDD + DECISION OF GRANT OR REJECTION WRITTEN
 20121025
 20100707 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20100706
 20121025
 20100708 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20121025
 20100812 JPA61 + FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)
 JAPANESE INTERMEDIATE CODE: A61
 20100805
 20121025
 20100813 JPR150 + CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY
 MODEL
 JAPANESE INTERMEDIATE CODE: R150
 20121025
 20100816 JPFPAY + RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF
 DATABASE)
 PAYMENT UNTIL: 20130813
 20121025
 20130730 JPR250 + RECEIPT OF ANNUAL FEES
 JAPANESE INTERMEDIATE CODE: R250
 20131010

MAX. M 表示形式

AN 77319327 INPADOCDB ED 20110630 EW 201126 UP 20120726 UW 201431 Full-text
FN 9188004
DT Patent
PI JP 2005514730 A 20050519
PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
APPLICATION) [FROM 19790726 ONWARDS]
DAV 20050519 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2003-555601 A 20021212
AIT JPA Patent application
PRAI US 2001-34687 A 20011220 (USA, 20071206, Y)
WO 2002-US39744 W 20021212 (WOWW, 20100401, N)
PRAIT USA Patent application
WOWW Additional PCT application
CGP JP 2009545852 A 20091224 [JP2005514730A (SEA, pat)]
JP 2011216217 A 20111027 [JP2005514730A (EXA, pat)]
PANASONIC CORP
JP 2011249168 A 20111208 [JP2005514730A (SEA, pat)]
FDK CORP; FDK ENERGY CO LTD
PNC. G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.
IC. V 7
ICM H01M002-12
ICS H01M002-02; H01M002-08; H01M002-30; H01M004-75; H01M006-08
IPCR H01M0002-02 [I, A]; H01M0002-04 [I, A]; H01M0002-08 [I, A];
H01M0002-12 [I, A]; H01M0002-26 [I, A]; H01M0002-30 [I, A];
H01M0004-75 [I, A]; H01M0006-08 [I, A]
CPC H01M0002-1276; H01M0002-0413; H01M0002-1229; H01M0002-1294
ABEQ (US 6855454 B2)
A low profile collector and seal assembly for sealing the open end of a
container of an electrochemical cell and providing venting of pressurized
gases. An electrochemical cell has a can with a closed bottom end and an
open top end, positive and negative electrodes disposed in the can, and a
collector and seal assembly disposed in the open top end of the can for
closing the open top end of the can. The collector and seal assembly
includes a current collector and an annular seal that move relative to
each other from a sealed position to a vented position when the internal
cell pressure reaches a pressure threshold to vent pressurized gases.
AL English
AS national office
FA AI; AN; DAV; CGP; CPC; DT; ED; EW; ICM; ICS; IPC; IPCR; PI; PIT; PRAI

AN 77319327 INPADOCDB ED 20100401 EW 201013 UP 20120726 UW 201431 Full-text
FN 9188004
DT Patent
PI JP 4421896B B2 20100224
PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
ONWARDS]
DAV 20100224 printed-with-grant
STA GRANTED
AI JP 2003-555601 A 20021212
AIT JPA Patent application
PRAI US 2001-34687 A 20011220 (USA, 20071206, Y)
WO 2002-US39744 W 20021212 (WOWW, 20100401, N)
PRAIT USA Patent application
WOWW Additional PCT application
XPD 20221212
IPC1 H01M0002-12 [I, A]; H01M0002-08 [I, A]; H01M0004-75 [I, A];
H01M0006-08 [I, A]
IPCR H01M0002-02 [I, A]; H01M0002-04 [I, A]; H01M0002-26 [I, A];
H01M0002-30 [I, A]
CPC H01M0002-1276; H01M0002-0413; H01M0002-1229; H01M0002-1294
FA AI; AN; DAV; CPC; DT; ED; EW; IPC; IPC1; IPCR; PI; PIT; PRAI; XPD

LEGAL STATUS

AN 77319327 INPADOCDB Full-text

20051213	JPA521	WRITTEN AMENDMENT JAPANESE INTERMEDIATE CODE: A523 20051212	20140710
20051213	JPA621	+ WRITTEN REQUEST FOR APPLICATION EXAMINATION JAPANESE INTERMEDIATE CODE: A621 20051212 EXA Examination, Search Report	20140710
20090722	JPA131	- NOTIFICATION OF REASONS FOR REFUSAL JAPANESE INTERMEDIATE CODE: A131 20090721	20140710
20091022	JPA521	WRITTEN AMENDMENT JAPANESE INTERMEDIATE CODE: A523 20091021	20140710
20091117	JPTRDD	+ DECISION OF GRANT OR REJECTION WRITTEN	20140710
20091125	JPA01	+ WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL) JAPANESE INTERMEDIATE CODE: A01 20091124	20140710
20091126	JPA01	+ WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A REGISTRATION (UTILITY MODEL) JAPANESE INTERMEDIATE CODE: A01	20140710
20091210	JPA61	+ FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE) JAPANESE INTERMEDIATE CODE: A61 20091203	20140710
20091211	JPPPAY	+ RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF DATABASE) PAYMENT UNTIL: 20121211	20140710
20091211	JPR150	+ CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY MODEL JAPANESE INTERMEDIATE CODE: R150	20140710
20121211	JPPPAY	+ RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF DATABASE) PAYMENT UNTIL: 20131211	20140710
20131203	JPR250	+ RECEIPT OF ANNUAL FEES JAPANESE INTERMEDIATE CODE: R250	20140710

MAX. F 表示形式

MEMBER 1

AN 18277691 INPADOCDB UP 20071122 UW 200747 Full-text
FN 13538461
SFN 33410702
TI Image processing system, 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 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
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
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 18277691 INPADOCDB ED 20081113 EW 200846 UP 20081211 UW 200850 Full-text
FN 13538461
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
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
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 18277691 INPADOCDB Full-text
20041201 CNC06 + PUBLICATION
.....20090531
20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE

EXA Examination, Search Report

20080806 CNC14 + GRANTED 20090531
..... 20090531

MEMBER 2

AN 46159799 INPADOCDB UP 20130822 UW 201334 Full-text
FN 13538461
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
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 46159799 INPADOCDB Full-text

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 49792733 INPADOCDB UP 20071122 UW 200747 Full-text
 FN 13538461
 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
 AIT USA Patent application
 PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
 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; GGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 49792733 INPADOCDB Full-text
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)

MAXG 表示形式

AN 70704280 INPADOCDB ED 20110630 EW 201126 UP 20140130 UW 201405 Full-text
 FN 7554699
 DT Patent
 PI JP 2003527044 A 20030909
 PIT JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or
 PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL
 APPLICATION) [FROM 19790726 ONWARDS]
 DAV 20030909 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2001-567208 A 20010212
 AIT JPA Patent application
 PRAI US 2000-525806 A 20000315 (USA, 20070315, Y)
 WO 2001-US4481 W 20010212 (WOWW, 20080327, N)
 PRAIT USA Patent application
 WOWW Additional PCT application
 REP JP 09187081 A 19970715 (EXA, pat)
 ALCATEL MOBILE COMM FRANCE, FR
 JP 08205237 A 19960809 (EXA, pat)
 TOSHIBA COMMUNICATION TECH; TOSHIBA CORP
 WO 2000001180 A1 20000106 (EXA, pat)
 ERICSSON TELEFON AB L M, SE
 JP 11308360 A 19991105 (EXA, pat)
 KENWOOD CORP
 JP 11234189 A 19990827 (EXA, pat)
 TOSHIBA CORP
 JP 05336109 A 19931217 (EXA, pat)
 TOSHIBA CORP
 REC 6. THERE ARE 6 CITED REFERENCES (6 PATENT, 0 NON PATENT) AVAILABLE FOR
 THIS RECORD.
 IC.V 7
 ICM H04Q0007-38
 ICS G06F0003-00; H04M0001-66
 IPCR G06F0003-048 [I,A]; H04M0001-66 [I,A]; H04W0012-12 [I,A]
 CPC H04W0012-12; H04W0012-10
 AB A mobile communications device is adapted to use applications resident on
 a remote network server. The display of the mobile device is divided into
 static and dynamic display zones. Inquiries originating externally from
 the mobile device are identified and restrictively routed only to the
 dynamic display. Internally generated inquiries trigger a indicator
 symbol within the static display. In this manner bogus requests for
 confidential identifiers may be avoided.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CHG; CPC; DT; ED; EW; ICM; ICS; IPC; IPCR; PI; PIT;
 PRAI; REP
 CHG IPC A

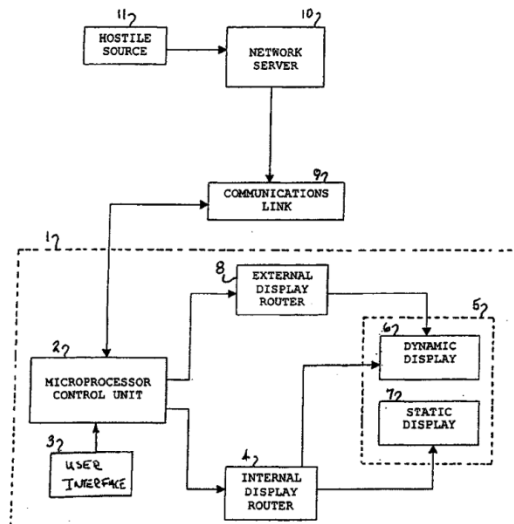


FIGURE 1

AN 70704280 INPADOCDB ED 20101202 EW 201048 UP 20140130 UW 201405 Full-text
 FN 7554699
 DT Patent
 PI JP 4567272B B2 20101020
 PIT JPB2 PUBLISHED EXAMINED PATENT APPLICATION (SECOND LEVEL) [FROM 19710716
 ONWARDS] or PUBLISHED GRANTED PATENT (SECOND LEVEL) [FROM 19960301
 ONWARDS]
 DAV 20101020 printed-with-grant
 STA GRANTED
 AI JP 2001-567208 A 20010212
 AIT JPA Patent application
 PRAI US 2000-525806 A 20000315 (USA, 20070315, Y)
 WO 2001-US4481 W 20010212 (WOWW, 20080327, N)
 PRAIT USA Patent application
 WOWW Additional PCT application
 XPD 20210212
 IPCI H04W0012-12 [I,A]; H04M0001-66 [I,A]
 IPCR G06F0003-048 [I,A]
 CPC H04W0012-12; H04W0012-10
 AB A mobile communications device is adapted to use applications resident on
 a remote network server. The display of the mobile device is divided into
 static and dynamic display zones. Inquiries originating externally from
 the mobile device are identified and restrictively routed only to the
 dynamic display. Internally generated inquiries trigger a indicator
 symbol within the static display. In this manner bogus requests for
 confidential identifiers may be avoided.
 AL English
 AS EPO
 FA AB; AI; AN; DAV; CHG; CPC; DT; ED; EW; IPC; IPCI; IPCR; PI; PIT; PRAI;
 XPD
 CHG IPC A

LEGAL STATUS

AN 70704280 INPADOCDB Full-text
 20080213 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20080212
 EXA Examination, Search Report
 20130418
 20080227 JPA521 WRITTEN AMENDMENT
 JAPANESE INTERMEDIATE CODE: A523
 20080226
 20130418
 20100702 JPA977 REPORT ON RETRIEVAL
 JAPANESE INTERMEDIATE CODE: A971007
 20100702
 20121025
 20100702 JPTRDD + DECISION OF GRANT OR REJECTION WRITTEN
 20121025
 20100707 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20100706
 20121025
 20100708 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20121025
 20100812 JPA61 + FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)
 JAPANESE INTERMEDIATE CODE: A61
 20100805
 20121025
 20100813 JPR150 + CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY
 MODEL
 JAPANESE INTERMEDIATE CODE: R150
 20121025
 20100816 JPFPAY + RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF

DATABASE)
PAYMENT UNTIL: 20130813

20130730 JPR250 + 20121025
RECEIPT OF ANNUAL FEES
JAPANESE INTERMEDIATE CODE: R250
..... 20131010

MAXO 表示形式

AN 18277687 INPADOCDB UW 201249 Full-text
 FN 13538457
 TI Issuing a digital rights management (DRM) license for content based on cross-forest directory information.
 TL English
 TIO 根据越地区目录信息
 对内容产生数字权限
 管理(DRM)许可
 IN ROZENFELD YEVGENIY EUGENE; NARIN ATTILA; VENKATESH CHANDRAMOULI; WAXMAN PETER DAVID
 INS EUGENE ROZENFELD YEVGENIY, US; ATTILA NARIN, US; CHANDRAMOULI VENKATESH, US; DAVID WAXMAN PETER, US
 INO P·D·瓦克斯曼; 罗森非尔德
 PA MICROSOFT CORP.
 PAS MICROSOFT CORP, US
 PAO 微软公司
 DT Patent
 PI CN 1550995 A 20041201
 PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
 DAV 20041201 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI CN 2004-10007607 A 20040226
 AIO A2004100076079
 AIT CNA Patent application
 PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
 PRAO 10/374,321
 PRAIT USA Patent application
 CGP WO 2009030135 A1 20090312 [CN1550995A (SEA, pat, Cat: X)]
 HUAWEI TECH CO LTD, CN; LU WEN, CN; XIE YONGZHENG, CN
 PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
 IC.V 7
 ICM G06F0012-14
 ICS H04L0009-32; G06F0017-60
 IPCI G06F0017-00 [I, A]
 IPCR G06F0012-14 [I, A]; G06F0021-00 [I, A]; G06F0021-24 [I, A];
 G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
 CPC H04L0063-105; G06F0021-6227; H04L2463-101
 ABOR 一个组织维持至少包括区域 A 和区域 B 的计算机网络, 其中区域 A 具有目录 A 和能够查询目录 A 的查询实体 A, 而区域 B 具有目录 B 和能够查询目录 B 的查询实体 B。查询实体 A 从用户接收请求, 并至少部分地根据该用户是否该组的成员决定是否准许该请求。于是, 查询实体 A 查询目录 A 以返回有关该组的信息; 导向区域 B; 接触查询实体 B; 请求查询实体 B 查询目录 B 该用户是否该组的成员; 接收应答; 并至少部分地根据该用户是否该组的成员准许从用户来的请求。
 ABEQ (EP 1452942 A2)
 An organization maintains a computer network comprising at least a forest A and a forest B, where forest A has a directory A and a querying entity A capable of querying directory A, and forest B has a directory B and a querying entity B capable of querying directory B. Querying entity A

receives a request from the user and decides whether to grant the request based at least in part on whether the user is a member of the group. Thus, querying entity A queries directory A to return information on the group, is directed to forest B, contacts querying entity B, requests querying entity B to query directory B whether the user is a member of the group, receives a response, and grants the request from the user based at least in part on whether the user is a member of the group.

AL English
AS EPO
FA ABOR; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; TI

AN 18277687 INPADOCDB ED 20120628 EW 201226 UP 20121108 UW 201249 Full-text
FN 13538457
TI Issuing a digital rights management (DRM) license for content based on cross-forest directory information.
TL English
IN VENKATESH CHANDRAMOULI; NARIN ATTILA; WAXMAN PETER DAVID; ROZENFELD YEVGENIY EUGENE
INS CHANDRAMOULI VENKATESH; ATTILA NARIN; DAVID WAXMAN PETER; EUGENE ROZENFELD YEVGENIY
PA MICROSOFT CORP.
PAS MICROSOFT CORP
DT Patent
PI CN 1550995B B 20120620 English
PIT CNB EXAMINED APPLICATION [FROM 19850401 UNTIL 19921231] or GRANTED PATENT FOR INVENTION [FROM 20100407 ONWARDS]
DAV 20120620 printed-with-grant
STA GRANTED
AI CN 2004-10007607 A 20040226
AIO 2004100076079
AIT CNA Patent application
PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
PRAO 10/374,321
PRAIT USA Patent application
XPD 20240226
IPCI G06F0012-14 [I, A]; G06F0017-00 [I, A]; H04L0009-32 [I, A]
IPCR G06F0021-00 [I, A]; G06F0021-24 [I, A]; G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
CPC H04L0063-105; G06F0021-6227; H04L2463-101

AB An organization maintains a computer network comprising at least a forest A and a forest B, where forest A has a directory A and a querying entity A capable of querying directory A, and forest B has a directory B and a querying entity B capable of querying directory B. Querying entity A receives a request from the user and decides whether to grant the request based at least in part on whether the user is a member of the group. Thus, querying entity A queries directory A to return information on the group, is directed to forest B, contacts querying entity B, requests querying entity B to query directory B whether the user is a member of the group, receives a response, and grants the request from the user based at least in part on whether the user is a member of the group.

AL English
AS national office
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD

LEGAL STATUS

AN 18277687 INPADOCDB Full-text
20041201 CNC06 + PUBLICATION
..... 20090531
20060322 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
..... 20090531
20120620 CNC14 + GRANTED
..... 20120906

MAXO.M 表示形式

AN 18277687 INPADOCDB UW 201249 Full-text
FN 13538457
TI Issuing a digital rights management (DRM) license for content based on cross-forest directory information.
TL English
TIO 根据越地区目录信息
对内容产生数字权限
管理(DRM)许可
IN ROZENFELD YEVGENIY EUGENE; NARIN ATTILA; VENKATESH CHANDRAMOULI; WAXMAN PETER DAVID
INS EUGENE ROZENFELD YEVGENIY, US; ATTILA NARIN, US; CHANDRAMOULI VENKATESH, US; DAVID WAXMAN PETER, US
INO P·D·瓦克斯曼; 罗森非尔德
PA MICROSOFT CORP.
PAS MICROSOFT CORP, US
PAO 微软公司
DT Patent
PI CN 1550995 A 20041201
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041201 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10007607 A 20040226
AIO A2004100076079
AIT CNA Patent application
PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
PRAO 10/374,321
PRAIT USA Patent application
CGP WO 2009030135 A1 20090312 [CN1550995A (SEA, pat, Cat: X)]
HUAWEI TECH CO LTD, CN; LU WEN, CN; XIE YONGZHENG, CN
PNC.G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IC.V 7
ICM G06F012-14
ICS H04L009-32; G06F017-60
IPC1 G06F0017-00 [I, A]
IPCR G06F0012-14 [I, A]; G06F0021-00 [I, A]; G06F0021-24 [I, A];
G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
CPC H04L0063-105; G06F0021-6227; H04L2463-101
ABOR 一个组织维持至少包括区域 A 和区域 B 的计算机网络, 其中区域 A 具有目录 A 和能够查询目录 A 的查询实体 A, 而区域 B 具有目录 B 和能够查询目录 B 的查询实体 B。查询实体 A 从用户接收请求, 并至少部分地根据该用户是否该组的成员决定是否准许该请求。于是, 查询实体 A 查询目录 A 以返回有关该组的信息; 导向区域 B; 接触查询实体 B; 请求查询实体 B 查询目录 B 该用户是否该组的成员; 接收应答; 并至少部分地根据该用户是否该组的成员准许从用户来的请求。
ABEQ (EP 1452942 A2)
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AL English
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 FA ABOR; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCI; IPCR; PA; PAS; PI; PIT; PRAI; TI

AN 18277687 INPADOCDB ED 20120628 EW 201226 UP 20121108 UW 201249 Full-text
 FN 13538457
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 TL English
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 INS CHANDRAMOULI VENKATESH; ATTILA NARIN; DAVID WAXMAN PETER; EUGENE ROZENFELD YEVGENIY
 PA MICROSOFT CORP.
 PAS MICROSOFT CORP
 DT Patent
 PI CN 1550995B B 20120620 English
 PIT CNB EXAMINED APPLICATION [FROM 19850401 UNTIL 19921231] or GRANTED PATENT FOR INVENTION [FROM 20100407 ONWARDS]
 DAV 20120620 printed-with-grant
 STA GRANTED
 AI CN 2004-10007607 A 20040226
 AIO 2004100076079
 AIT CNA Patent application
 PRAI US 2003-374321 A 20030226 (USA, 20081016, Y)
 PRAO 10/374,321
 PRAIT USA Patent application
 XPD 20240226
 IPCI G06F0012-14 [I, A]; G06F0017-00 [I, A]; H04L0009-32 [I, A]
 IPCR G06F0021-00 [I, A]; G06F0021-24 [I, A]; G06Q0030-00 [I, A]; G06Q0050-00 [I, A]; H04L0029-06 [I, A]
 CPC H04L0063-105; G06F0021-6227; H04L2463-101

AB An organization maintains a computer network comprising at least a forest A and a forest B, where forest A has a directory A and a querying entity A capable of querying directory A, and forest B has a directory B and a querying entity B capable of querying directory B. Querying entity A receives a request from the user and decides whether to grant the request based at least in part on whether the user is a member of the group. Thus, querying entity A queries directory A to return information on the group, is directed to forest B, contacts querying entity B, requests querying entity B to query directory B whether the user is a member of the group, receives a response, and grants the request from the user based at least in part on whether the user is a member of the group.

AL English
 AS national office
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD

LEGAL STATUS

AN 18277687 INPADOCDB Full-text
 20041201 CNC06 + PUBLICATION
 20090531
 20060322 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
 20090531
 20120620 CNC14 + GRANTED
 20120906

MAXO.F 表示形式

AN 18277691 INPADOCDB UP 20071122 UW 200747 Full-text
FN 13538461
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 18277691 INPADOCDB ED 20081113 EW 200846 UP 20081211 UW 200850 Full-text
FN 13538461
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
IPCI 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 18277691 INPADOCDB Full-text
20041201 CNC06 + PUBLICATION
.....20090531
20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20090531
20080806 CNC14 + GRANTED
.....20090531

MEMBER 2

AN 46159799 INPADOCDB UP 20130822 UW 201334 Full-text
FN 13538461
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; GGP; CHG; CPC; DT; FCL; FTRM; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 46159799 INPADOCDB Full-text
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 49792733 INPADOCDB UP 20071122 UW 200747 Full-text
FN 13538461
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 49792733 INPADOCDB Full-text
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)

MAX02 表示形式

AN 57548086 INPADOCDB UP 20120705 UW 201227 Full-text
FN 15975720
TI Kabine für eine Luftseilbahn.
Cabin for an aerial cableway.
Cabine pour le transport aérien par câbles.
TL German; English; French
IN VITTOZ, THIERRY; BREHMER, PATRICK
INS VITTOZ THIERRY, FR; BREHMER PATRICK, FR
PA SIGMA COMPOSITE
PAS SIGMA COMPOSITE, FR
DT Patent
PI EP 1389572 A1 20040218 French
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20040218 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: AT CH ES IT LI
AI EP 2003-354076 A 20030415
AIO 03354076
AIT EPA Patent application
PRAI EP 2003-354033 A 20030415 (EPA3, 20090102, N)
FR 2002-4722 A 20020416 (FRA, 20080515, Y)
FR 2002-4911 A 20020419 (FRA, 20080515, Y)
PRAO 03354033
0204722
0204911
PRAIT EPA3 Prior application claimed for a division
FRA Patent application
REP US 953352 A 19100329 (SEA, pat, Cat: A)
AMERICAN SUSPENSION RAILWAY COMPANY, US
US 4327648 A 19820504 (SEA, pat, Cat: A)
FRECH ANTON
US 3797409 A 19740319 (SEA, pat, Cat: A)
FRECH A
REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
IC.V 7
ICM B61B012-02
ICS B61B012-00
IPCR B61B0012-00 [I,A]; B61B0012-02 [I,A]
CPC B61B0012-028; B61B0012-002
AB A cable car cabin has a frame comprising pairs of cross pieces (2) and
verticals (6) with upward extensions fitted with plate brackets linked by
dampers (12) to a yoke (8).
AL English
AS transcript
ABFR Une cabine pour le transport aérien par câbles, comprend une
ossature associée à un palonnier (8) de liaison, ladite
ossature étant composée de montants (6) verticaux en formes de
profilés métalliques solidarisés par des moyens
d'assemblage à des traverses (2) parallèles deux à deux et
formant des parties supérieure et inférieure.
L'extrémité supérieure de chaque montant (6) est
prolongée par une extension faisant saillie du plan horizontal
défini par les traverses (2) formant la partie supérieure. Un
dispositif de fixation est assemblé à l'extension de chaque
montant (6) en étant équipé d'un amortisseur (12) pour la
liaison à un bras du palonnier (8). <IMAGE>.
AL French
AS EPO
FA AB; ABFR; AI; AN; DAV; CHG; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR;
LA; PA; PAS; PI; PIT; PRAI; REP; TI
CHG PRAI A; IPC A

AN 57548086 INPADOCDB ED 20090102 EW 200901 UP 20120705 UW 201227 Full-text
FN 15975720

TI Kabine für eine Luftseilbahn.
 Cabin for an aerial cableway.
 Cabine pour le transport aérien par cables.
 TL German; English; French
 IN VITTOZ, THIERRY; BREHMER, PATRICK
 INS VITTOZ THIERRY, FR; BREHMER PATRICK, FR
 PA SIGMA COMPOSITE
 PAS SIGMA COMPOSITE, FR
 DT Patent
 PI EP 1389572 B1 20081231 French
 PIT EPB1 PATENT SPECIFICATION
 DAV 20081231 printed-with-grant
 STA GRANTED
 DS R: AT CH ES IT LI
 AI EP 2003-354076 A 20030415
 AIO 03354076
 AIT EPA Patent application
 PRAI EP 2003-354033 A 20030415 (EPA3, 20090102, N)
 FR 2002-4722 A 20020416 (FRA, 20080515, Y)
 FR 2002-4911 A 20020419 (FRA, 20080515, Y)
 PRAO 03354033
 0204722
 0204911
 PRAIT EPA3 Prior application claimed for a division
 FRA Patent application
 XPD 20230415
 IPCI B61B0012-02 [I,A]; B61B0012-00 [I,A]
 CPC B61B0012-028; B61B0012-002
 FA AI; AN; DAV; CHG; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS;
 PI; PIT; PRAI; TI; XPD
 CHG PRAI A; IPC A

LEGAL STATUS

AN 57548086 INPADOCDB Full-text
 20040218 EPAC DIVISIONAL APPLICATION (ART. 76) OF:
 EP 1354777 P
 20081218
 20040218 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
 20081218
 20040218 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL LT LV MK
 20081218
 20040908 EP17P + REQUEST FOR EXAMINATION FILED
 20040710
 EXA Examination, Search Report
 20081218
 20041110 EPAKX + PAYMENT OF DESIGNATION FEES
 AT CH ES IT LI
 20081218
 20041216 EPREG REFERENCE TO A NATIONAL CODE
 DE8566 - DE: DESIGNATED COUNTRY DE NOT LONGER VALID
 NIF Lapses, Expiries, Withdrawals, Refusals
 20081218
 20081231 EPAC DIVISIONAL APPLICATION (ART. 76) OF:
 EP 1354777 P
 20090102
 20081231 EPAK + DESIGNATED CONTRACTING STATES:
 EP B1
 AT CH ES IT LI
 20090102
 20081231 EPREG REFERENCE TO A NATIONAL CODE
 CHEP + CH: ENTRY IN THE NATIONAL PHASE
 20090115
 20090227 EPREG REFERENCE TO A NATIONAL CODE

CHNV	CH: NEW AGENT CABINET ROLAND NITHARDT CONSEILS EN PROPRIETE INDU	20090305
20090501 EPREG ESFG2A	REFERENCE TO A NATIONAL CODE + ES: DEFINITIVE PROTECTION ES 2318099 T3	20090507
20091209 EP26N	+ NO OPPOSITION FILED 20091001	20091210
20121231 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE ES: 20120510 Payment Year: 10	20130110
20130329 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE AT: 20120411 Payment Year: 10	20130404
20130731 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE CH: 20130412 Payment Year: 11	20130808
20130830 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE IT: 20130422 Payment Year: 11	20130912

MAX02. M 表示形式

AN 57548086 INPADOCDB UP 20120705 UW 201227 Full-text
FN 15975720
TI Kabine für eine Luftseilbahn.
Cabin for an aerial cableway.
Cabine pour le transport aérien par câbles.
TL German; English; French
IN VITTOZ, THIERRY; BREHMER, PATRICK
INS VITTOZ THIERRY, FR; BREHMER PATRICK, FR
PA SIGMA COMPOSITE
PAS SIGMA COMPOSITE, FR
DT Patent
PI EP 1389572 A1 20040218 French
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20040218 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: AT CH ES IT LI
AI EP 2003-354076 A 20030415
AIO 03354076
AIT EPA Patent application
PRAI EP 2003-354033 A 20030415 (EPA3, 20090102, N)
FR 2002-4722 A 20020416 (FRA, 20080515, Y)
FR 2002-4911 A 20020419 (FRA, 20080515, Y)
PRAO 03354033
0204722
0204911
PRAIT EPA3 Prior application claimed for a division
FRA Patent application
REP US 953352 A 19100329 (SEA, pat, Cat: A)
AMERICAN SUSPENSION RAILWAY COMPANY, US
US 4327648 A 19820504 (SEA, pat, Cat: A)
FRECH ANTON
US 3797409 A 19740319 (SEA, pat, Cat: A)
FRECH A
REC 3. THERE ARE 3 CITED REFERENCES (3 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
IC.V 7
ICM B61B012-02
ICS B61B012-00
IPCR B61B0012-00 [I,A]; B61B0012-02 [I,A]
CPC B61B0012-028; B61B0012-002
AB A cable car cabin has a frame comprising pairs of cross pieces (2) and
verticals (6) with upward extensions fitted with plate brackets linked by
dampers (12) to a yoke (8).
AL English
AS transcript
ABFR Une cabine pour le transport aérien par câbles, comprend une
ossature associée à un palonnier (8) de liaison, ladite
ossature étant composée de montants (6) verticaux en formes de
profilés métalliques solidarisés par des moyens
d'assemblage à des traverses (2) parallèles deux à deux et
formant des parties supérieure et inférieure.
L'extrémité supérieure de chaque montant (6) est
prolongée par une extension faisant saillie du plan horizontal
défini par les traverses (2) formant la partie supérieure. Un
dispositif de fixation est assemblé à l'extension de chaque
montant (6) en étant équipé d'un amortisseur (12) pour la
liaison à un bras du palonnier (8). <IMAGE>.
AL French
AS EPO
FA AB; ABFR; AI; AN; DAV; CHG; CPC; DS; DT; ICM; ICS; IN; INS; IPC; IPCR;
LA; PA; PAS; PI; PIT; PRAI; REP; TI
CHG PRAI A; IPC A
AN 57548086 INPADOCDB ED 20090102 EW 200901 UP 20120705 UW 201227 Full-text
FN 15975720

TI Kabine für eine Luftseilbahn.
 Cabin for an aerial cableway.
 Cabine pour le transport aérien par cables.
 TL German; English; French
 IN VITTOZ, THIERRY; BREHMER, PATRICK
 INS VITTOZ THIERRY, FR; BREHMER PATRICK, FR
 PA SIGMA COMPOSITE
 PAS SIGMA COMPOSITE, FR
 DT Patent
 PI EP 1389572 B1 20081231 French
 PIT EPB1 PATENT SPECIFICATION
 DAV 20081231 printed-with-grant
 STA GRANTED
 DS R: AT CH ES IT LI
 AI EP 2003-354076 A 20030415
 AIO 03354076
 AIT EPA Patent application
 PRAI EP 2003-354033 A 20030415 (EPA3, 20090102, N)
 FR 2002-4722 A 20020416 (FRA, 20080515, Y)
 FR 2002-4911 A 20020419 (FRA, 20080515, Y)
 PRAO 03354033
 0204722
 0204911
 PRAIT EPA3 Prior application claimed for a division
 FRA Patent application
 XPD 20230415
 IPCI B61B0012-02 [I,A]; B61B0012-00 [I,A]
 CPC B61B0012-028; B61B0012-002
 FA AI; AN; DAV; CHG; CPC; DS; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS;
 PI; PIT; PRAI; TI; XPD
 CHG PRAI A; IPC A

LEGAL STATUS

AN 57548086 INPADOCDB Full-text
 20040218 EPAC DIVISIONAL APPLICATION (ART. 76) OF:
 EP 1354777 P
 20081218
 20040218 EPAK + DESIGNATED CONTRACTING STATES:
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 MC NL PT RO SE SI SK TR
 20081218
 20040218 EPAX + EXTENSION OR VALIDATION OF THE EUROPEAN PATENT TO
 AL LT LV MK
 20081218
 20040908 EP17P + REQUEST FOR EXAMINATION FILED
 20040710
 EXA Examination, Search Report
 20081218
 20041110 EPAKX + PAYMENT OF DESIGNATION FEES
 AT CH ES IT LI
 20081218
 20041216 EPREG REFERENCE TO A NATIONAL CODE
 DE8566 - DE: DESIGNATED COUNTRY DE NOT LONGER VALID
 NIF Lapses, Expiries, Withdrawals, Refusals
 20081218
 20081231 EPAC DIVISIONAL APPLICATION (ART. 76) OF:
 EP 1354777 P
 20090102
 20081231 EPAK + DESIGNATED CONTRACTING STATES:
 EP B1
 AT CH ES IT LI
 20090102
 20081231 EPREG REFERENCE TO A NATIONAL CODE
 CHEP + CH: ENTRY IN THE NATIONAL PHASE
 20090115
 20090227 EPREG REFERENCE TO A NATIONAL CODE

CHNV	CH: NEW AGENT CABINET ROLAND NITHARDT CONSEILS EN PROPRIETE INDU	
	.....	20090305
20090501 EPREG ESFG2A	REFERENCE TO A NATIONAL CODE + ES: DEFINITIVE PROTECTION ES 2318099 T3	
	.....	20090507
20091209 EP26N	+ NO OPPOSITION FILED 20091001	
	.....	20091210
20121231 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE ES: 20120510 Payment Year: 10	
	.....	20130110
20130329 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE AT: 20120411 Payment Year: 10	
	.....	20130404
20130731 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE CH: 20130412 Payment Year: 11	
	.....	20130808
20130830 EPPGFP	+ POSTGRANT: ANNUAL FEES PAID TO NATIONAL OFFICE IT: 20130422 Payment Year: 11	
	.....	20130912

MAX02.F 表示形式

MEMBER 1

AN 61157678 INPADOCDB ED 20100603 EW 201022 UW 201403 Full-text
FN 37618244
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 61157678 INPADOCDB Full-text
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 58009174 INPADOCDB ED 20090212 EW 200907 UW 201403 Full-text
FN 37618244
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.
 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
 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 58009174 INPADOCDB ED 20100422 EW 201016 UW 201403
FN 37618244
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 58009174 INPADOCDB Full-text
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 57921649 INPADOCDB ED 20090205 EW 200906 UW 201403 Full-text
 FN 37618244
 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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 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
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 (IROS 2001). MAUI, HAWAII, OCT. 29 - NOV. 3, 2001, IEEE/RSJ INTERNATIONAL
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 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 57921649 INPADOCDB ED 20091029 EW 200944 UW 201403 Full-text
 FN 37618244
 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 58002192 INPADOCDB ED 20090212 EW 200907 UW 201403 Full-text
 FN 37618244
 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 58002192 INPADOCDB ED 20121108 EW 201245 UP 20140227 UW 201409 Full-text
FN 37618244
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
 US 20120053491 A1 20120301 (SEA, pat)
 GOPE CHANDAN, US; NATHAN ANOO, US; NATHAN VAIDHI, US; VAIDHI NATHAN,
 US
 US 20120108998 A1 20120503 (SEA, 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
 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 Full-text

AN 58002192 INPADOCDB

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)

IMAX 表示形式

ACCESSION NUMBER: 66395219 INPADOCDB Full-text
ED 20111027 EW 201143 UP 20131010 UW 201341

FAMILY NUMBER: 42694215

TITLE: MOBILE COMMUNICATION METHOD AND RELAY NODE.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: TAKAHASHI HIDEAKI; HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO; ISHII MINAMI

STANDARDIZED: TAKAHASHI HIDEAKI; HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO; ISHII MINAMI

PATENT ASSIGNEE(S):
NON-STANDARD.: NTT DOCOMO INC

STANDARDIZED: NTT DOCOMO INC

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2011193246	A	20110929

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: 20110929 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2010-57871 A 20100315

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: JP 2010-57871 A 20100315 (JPA, 20110929, Y)

PRIO. APPL. INFO. TYPE: JPA Patent application

IPC ORIGINAL (ADV): H04W0016-26 [I, A]; H04W0028-04 [I, A]

CPC CLASSIFICATION: 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

JAP. PATENT CLASSIF.: H04Q0007-00 231; H04Q0007-00 263; H04W0016-26; H04W0028-04 110

FTERM CLASSIF.: 5K067/AA22; 5K067/BB04; 5K067/BB21; 5K067/DD24; 5K067/DD27; 5K067/EE02; 5K067/EE06; 5K067/EE10; 5K067/FF05; 5K067/GG01; 5K067/HH17; 5K067/HH28

ABSTRACT (ENGLISH):
PROBLEM TO BE SOLVED: To apply synchronous HARQ control in an LTE-Advanced system. SOLUTION: This relay node RN includes: an MBSFN subframe setting information acquisition unit 11 configured to acquire setting information from a wireless base station DeNE in RRC connection setting processing with a wireless base station therebetween; a receiving unit 14 configured to receive an uplink signal from a mobile station UE during a first period and receive a downlink signal from the wireless base station DeNB in an MBSFN subframe on the basis of the acquired setting information; and a transmission unit 13 configured to transmit the downlink signal to the mobile station UE during a second period, wherein the transmission unit 13 and the receiving unit 14 are configured to alternately switch the first period with the second period to make the switch period half of an RTT of the synchronous HARQ control. COPYRIGHT: (C)2011, JPO&INPIT.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: PAJ

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

UPDATE CHANGES: AB A

ACCESSION NUMBER: 66395219 INPADOCDB Full-text
ED 20111229 EW 201152 UP 20130124 UW 201329

FAMILY NUMBER: 42694215

PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 4814383B	B2	20111116
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:	20111116 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	JP 2010-57871	A	20100315
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	JP 2010-57871	A	20100315 (JPA, 20110929, Y)
PRIO. APPL. INFO. TYPE:	JPA Patent application		
CALC. EXPIR. DATE:	20300315		
IPC ORIGINAL (ADV):	H04W0016-26 [I,A]; H04W0028-04 [I,A]		
CPC CLASSIFICATION:	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		
JAP. PATENT CLASSIF.:	H04Q0007-00 231; H04Q0007-00 263; H04W0016-26; H04W0028-04 110		
FTERM CLASSIF.:	5K067/AA22; 5K067/BB04; 5K067/BB21; 5K067/DD24; 5K067/DD27; 5K067/EE02; 5K067/EE06; 5K067/EE10; 5K067/FF05; 5K067/GG01; 5K067/HH17; 5K067/HH28		
FIELD AVAILABILITY:	AI; AN; DAV; CPC; DT; ED; FCL; FTRM; EW; IPC; IPCI; PI; PIT; PRAI; XPD		

LEGAL STATUS

AN 66395219 INPADOCDB Full-text
 20110618 JPA521 WRITTEN AMENDMENT
 JAPANESE INTERMEDIATE CODE: A523
 20110617
 20120309

20110714 JPTRDD + DECISION OF GRANT OR REJECTION WRITTEN
 20120309

20110727 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20110726
 20120309

20110728 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20120309

20110901 JPA61 + FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)
 JAPANESE INTERMEDIATE CODE: A61
 20110825
 20120309

20110902 JPR150 + CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY
 MODEL
 JAPANESE INTERMEDIATE CODE: R150
 20120309

20110905 JPFPAY + RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF
 DATABASE)
 PAYMENT UNTIL: 20140902
 20120309

IMAX.M 表示形式

ACCESSION NUMBER: 66395219 INPADOCDB Full-text
ED 20111027 EW 201143 UP 20131010 UW 201341

FAMILY NUMBER: 42694215

TITLE: MOBILE COMMUNICATION METHOD AND RELAY NODE.

TITLE LANGUAGE: English

INVENTOR(S):
NON-STANDARD.: TAKAHASHI HIDEAKI; HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO; ISHII MINAMI

STANDARDIZED: TAKAHASHI HIDEAKI; HAPSARI WURI ANDARMAWANTI; UMESH ANIL; IWAMURA MIKIO; ISHII MINAMI

PATENT ASSIGNEE(S):
NON-STANDARD.: NTT DOCOMO INC

STANDARDIZED: NTT DOCOMO INC

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2011193246	A	20110929

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: 20110929 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2010-57871 A 20100315

APPL. INFO. TYPE: JPA Patent application

PRIORITY APPL. INFO.: JP 2010-57871 A 20100315 (JPA, 20110929, Y)

PRIO. APPL. INFO. TYPE: JPA Patent application

IPC ORIGINAL (ADV): H04W0016-26 [I, A]; H04W0028-04 [I, A]

CPC CLASSIFICATION: 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

JAP. PATENT CLASSIF.: H04Q0007-00 231; H04Q0007-00 263; H04W0016-26; H04W0028-04 110

FTERM CLASSIF.: 5K067/AA22; 5K067/BB04; 5K067/BB21; 5K067/DD24; 5K067/DD27; 5K067/EE02; 5K067/EE06; 5K067/EE10; 5K067/FF05; 5K067/GG01; 5K067/HH17; 5K067/HH28

ABSTRACT (ENGLISH):
PROBLEM TO BE SOLVED: To apply synchronous HARQ control in an LTE-Advanced system. SOLUTION: This relay node RN includes: an MBSFN subframe setting information acquisition unit 11 configured to acquire setting information from a wireless base station DeNE in RRC connection setting processing with a wireless base station therebetween; a receiving unit 14 configured to receive an uplink signal from a mobile station UE during a first period and receive a downlink signal from the wireless base station DeNB in an MBSFN subframe on the basis of the acquired setting information; and a transmission unit 13 configured to transmit the downlink signal to the mobile station UE during a second period, wherein the transmission unit 13 and the receiving unit 14 are configured to alternately switch the first period with the second period to make the switch period half of an RTT of the synchronous HARQ control. COPYRIGHT: (C)2011, JPO&INPIT.

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: PAJ

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

UPDATE CHANGES: AB A

ACCESSION NUMBER: 66395219 INPADOCDB Full-text
ED 20111229 EW 201152 UP 20130124 UW 201329

FAMILY NUMBER: 42694215

PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 4814383B	B2	20111116
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:	20111116 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	JP 2010-57871	A	20100315
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	JP 2010-57871	A	20100315 (JPA, 20110929, Y)
PRIO. APPL. INFO. TYPE:	JPA Patent application		
CALC. EXPIR. DATE:	20300315		
IPC ORIGINAL (ADV):	H04W0016-26 [I,A]; H04W0028-04 [I,A]		
CPC CLASSIFICATION:	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		
JAP. PATENT CLASSIF.:	H04Q0007-00 231; H04Q0007-00 263; H04W0016-26; H04W0028-04 110		
FTERM CLASSIF.:	5K067/AA22; 5K067/BB04; 5K067/BB21; 5K067/DD24; 5K067/DD27; 5K067/EE02; 5K067/EE06; 5K067/EE10; 5K067/FF05; 5K067/GG01; 5K067/HH17; 5K067/HH28		
FIELD AVAILABILITY:	AI; AN; DAV; CPC; DT; ED; FCL; FTRM; EW; IPC; IPCI; PI; PIT; PRAI; XPD		

LEGAL STATUS

AN 66395219 INPADOCDB Full-text
 20110618 JPA521 WRITTEN AMENDMENT
 JAPANESE INTERMEDIATE CODE: A523
 20110617
 20120309

20110714 JPTRDD + DECISION OF GRANT OR REJECTION WRITTEN
 20120309

20110727 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20110726
 20120309

20110728 JPA01 + WRITTEN DECISION TO GRANT A PATENT OR TO GRANT A
 REGISTRATION (UTILITY MODEL)
 JAPANESE INTERMEDIATE CODE: A01
 20120309

20110901 JPA61 + FIRST PAYMENT OF ANNUAL FEES (DURING GRANT PROCEDURE)
 JAPANESE INTERMEDIATE CODE: A61
 20110825
 20120309

20110902 JPR150 + CERTIFICATE OF PATENT (=GRANT) OR REGISTRATION OF UTILITY
 MODEL
 JAPANESE INTERMEDIATE CODE: R150
 20120309

20110905 JPFPAY + RENEWAL FEE PAYMENT (PRS DATE IS RENEWAL DATE OF
 DATABASE)
 PAYMENT UNTIL: 20140902
 20120309

IMAX.F 表示形式

MEMBER 1

ACCESSION NUMBER: 18277691 INPADOCDB Full-text
UP 20071122 UW 200747

FAMILY NUMBER: 13538461
EPO SIMPLE FAMILY: 33410702
TITLE: Image processing system, scanner device and image processing method.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: HATASHITA MASAHIRO
STANDARDIZED: MASAHIRO HATASHITA, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: MURATA MACHINERY LTD.
STANDARDIZED: MURATA MACHINERY LTD, JP
PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1550999	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 2004-10043197 A 20040514
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRIO. APPL. INFO. TYPE: JPA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: G06F0013-00 (not assigned by patent authority)
SECONDARY: G06F0003-12; H04N0001-00
IPC RECLASSIF. (ADV): B41J0029-38 [I, A]; G06F0003-12 [I, A];
H04N0001-00 [I, A]
CPC CLASSIFICATION: H04N0001-00347; H04N0001-00204; H04N0001-00278;
H04N2201-0039; H04N2201-0041; H04N2201-0043;
H04N2201-0044; H04N2201-0049; H04N2201-0081;
H04N2201-0082
FIELD AVAILABILITY: AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR;
PA; PAS; PI; PIT; PRAI; TI

ACCESSION NUMBER: 18277691 INPADOCDB
ED 20081113 EW 200846 UP 20081211 UW 200850

FAMILY NUMBER: 13538461
EPO SIMPLE FAMILY: 33410702
TITLE: Scanner device and image processing method.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: HATASHITA MASAHIRO
STANDARDIZED: MASAHIRO HATASHITA, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: MURATA MACHINERY LTD.
STANDARDIZED: MURATA MACHINERY LTD, JP
PATENT INFORMATION:

NUMBER	KIND	DATE
CN 100409210C	C	20080806 English

PATENT INFO. TYPE: CNC GRANTED PATENT FOR INVENTION [FROM 19850401 UNTIL 20100406]
DATE OF AVAILABILITY: 20080806 printed-with-grant
PATENT STATUS: GRANTED
APPLICATION INFO.: CN 2004-10043197 A 20040514
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRIO. APPL. INFO. TYPE: JPA Patent application

CALC. EXPIR. DATE: 20240514
 IPC ORIGINAL (ADV): G06F0013-00 [I, A]; G06F0003-12 [I, A];
 H04N0001-00 [I, A]
 IPC RECLASSIF. (ADV): B41J0029-38 [I, A]
 CPC CLASSIFICATION: H04N0001-00347; H04N0001-00204; H04N0001-00278;
 H04N2201-0039; H04N2201-0041; H04N2201-0043;
 H04N2201-0044; H04N2201-0049; H04N2201-0081;
 H04N2201-0082
 FIELD AVAILABILITY: AI; AN; DAV; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPC1;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD
 UPDATE CHANGES: INS C; IN C; PAS C; PA C; AIOR A; PRAIOR A; TI C

LEGAL STATUS

AN 18277691 INPADOCDB Full-text
 20041201 CNC06 + PUBLICATION
20090531
 20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
20090531
 20080806 CNC14 + GRANTED
20090531

MEMBER 2

ACCESSION NUMBER: 46159799 INPADOCDB Full-text
 UP 20130822 UW 201334

FAMILY NUMBER: 13538461
 EPO SIMPLE FAMILY: 33410702
 TITLE: IMAGE PROCESSING SYSTEM AND SCANNER.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: HATASHITA MASAHIRO
 STANDARDIZED: HATASHITA MASAHIRO
 PATENT ASSIGNEE(S):
 NON-STANDARD.: MURATA MACH LTD
 STANDARDIZED: MURATA MACHINERY LTD
 PATENT INFORMATION:

	NUMBER	KIND	DATE
PATENT INFO. TYPE:	JP 2004343275	A	20041202
	JPA PUBLISHED UNEXAMINED PATENT APPLICATION [FROM 19710716 ONWARDS] or PUBLISHED UNEXAMINED PATENT APPLICATION (BASED ON INTERNATIONAL APPLICATION) [FROM 19790726 ONWARDS]		
DATE OF AVAILABILITY:	20041202 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	JP 2003-135319	A	20030514
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	JP 2003-135319	A	20030514 (JPA, 20081113, Y)
PRIO. APPL. INFO. TYPE:	JPA Patent application		
CITING PATENT REF.:	JP 2006018734	A	20060119 [JP2004343275A (EXA, pat)]
	OKI DATA KK		
	JP 2008211761	A	20080911 [JP2004343275A (EXA, pat)]
	RICOH KK		
CITING PATENT NO. COUNT:	2. THERE ARE 2 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:			
MAIN:	H04N0001-00 (not assigned by patent authority)		
SECONDARY:	B41J0029-38; G06F0003-12		
IPC RECLASSIF. (ADV):	B41J0029-38	[I, A];	G06F0003-12 [I, A];
	H04N0001-00	[I, A]	
CPC CLASSIFICATION:	H04N0001-00347; H04N0001-00204; H04N0001-00278;		

H04N2201-0039; H04N2201-0041; H04N2201-0043;
H04N2201-0044; H04N2201-0049; H04N2201-0081;
H04N2201-0082

JAP. PATENT CLASSIF. : B41J0029-38 Z; G06F0003-12 D; H04N0001-00 107 A;
H04N0001-00 107 Z

FTERM CLASSIF. : 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

ABSTRACT (ENGLISH) : 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.

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

LEGAL STATUS

AN 46159799 INPADOCDB Full-text
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

ACCESSION NUMBER: 49792733 INPADOCDB Full-text
UP 20071122 UW 200747

FAMILY NUMBER: 13538461
EPO SIMPLE FAMILY: 33410702
TITLE: Image processing system, scanner device and image
processing method.
TITLE LANGUAGE: English
INVENTOR(S) :

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)

IMAXG 表示形式

ACCESSION NUMBER: 18277691 INPADOCDB Full-text
 UP 20071122 UW 200747

FAMILY NUMBER: 13538461

TITLE: Image processing system, scanner device and image processing method.

TITLE LANGUAGE: English

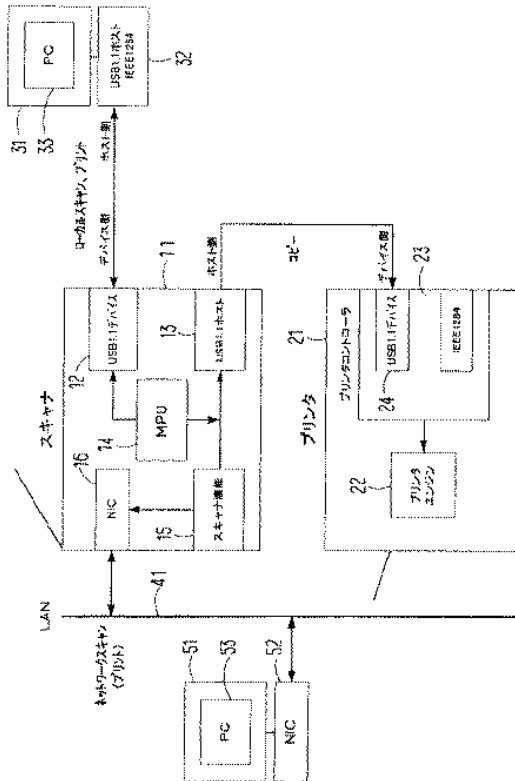
INVENTOR(S):
 NON-STANDARD.: HATASHITA MASAHIRO
 STANDARDIZED: MASAHIRO HATASHITA, JP

PATENT ASSIGNEE(S):
 NON-STANDARD.: MURATA MACHINERY LTD.
 STANDARDIZED: MURATA MACHINERY LTD, JP

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1550999	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 2004-10043197 A 20040514
 APPL. INFO. TYPE: CNA Patent application
 PRIORITY APPL. INFO.: JP 2003-135319 A 20030514 (JPA, 20081113, Y)
 PRIO. APPL. INFO. TYPE: JPA Patent application
 IPC VERSION(1-7): 7
 INT. PATENT CLASSIF.:
 MAIN: G06F0013-00 (not assigned by patent authority)
 SECONDARY: G06F0003-12; H04N0001-00
 IPC RECLASSIF. (ADV): B41J0029-38 [I, A]; G06F0003-12 [I, A];
 H04N0001-00 [I, A]
 CPC CLASSIFICATION: H04N0001-00347; H04N0001-00204; H04N0001-00278;
 H04N2201-0039; H04N2201-0041; H04N2201-0043;
 H04N2201-0044; H04N2201-0049; H04N2201-0081;
 H04N2201-0082
 FIELD AVAILABILITY: AI; AN; DAV; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR;
 PA; PAS; PI; PIT; PRAI; TI



ACCESSION NUMBER: 18277691 INPADOCDB Full-text
 ED 20081113 EW 200846 UP 20081211 UW 200850
 FAMILY NUMBER: 13538461
 TITLE: Scanner device and image processing method.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: HATASHITA MASAHIRO
 STANDARDIZED: MASAHIRO HATASHITA, JP
 PATENT ASSIGNEE(S):
 NON-STANDARD.: MURATA MACHINERY LTD.
 STANDARDIZED: MURATA MACHINERY LTD, JP
 PATENT INFORMATION:

NUMBER	KIND	DATE
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CN 100409210C	C	20080806	English
PATENT INFO. TYPE: CNC GRANTED PATENT FOR INVENTION [FROM 19850401 UNTIL 20100406]			
DATE OF AVAILABILITY: 20080806 printed-with-grant			
PATENT STATUS: GRANTED			
CN 2004-10043197	A	20040514	
APPLICATION INFO.: CNA Patent application			
JP 2003-135319	A	20030514	(JPA, 20081113, Y)
PRIORITY APPL. INFO.: JPA Patent application			
PRIO. APPL. INFO. TYPE: JPA Patent application			
CALC. EXPIR. DATE: 20240514			
IPC ORIGINAL (ADV): G06F0013-00 [I, A]; G06F0003-12 [I, A]; H04N0001-00 [I, A]			
IPC RECLASSIF. (ADV): B41J0029-38 [I, A]			
CPC CLASSIFICATION: H04N0001-00347; H04N0001-00204; H04N0001-00278; H04N2201-0039; H04N2201-0041; H04N2201-0043; H04N2201-0044; H04N2201-0049; H04N2201-0081; H04N2201-0082			

ABSTRACT (EQUIVALENT): (US 2004227974 A1)
 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.

ABSTRACT LANGUAGE: English
 ABSTRACT SOURCE: national office
 FIELD AVAILABILITY: AI; AN; DAV; CHG; CPC; DT; ED; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI; XPD
 UPDATE CHANGES: INS C; IN C; PAS C; PA C; AIOR A; PRAIOR A; TI C

LEGAL STATUS
 AN 18277691 INPADOCDB Full-text
 20041201 CNC06 + PUBLICATION 20090531
 20060628 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report 20090531
 20080806 CNC14 + GRANTED 20090531

PATS 表示形式

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

PATS. M 表示形式

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

PATS. F 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 CN 1550999 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550999&KC=A>

PI CN 100409210C C 20080806
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=100409210C&KC=C>

PI. PDF. M 表示形式

PI CN 1550999 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550999&KC=A>

PI CN 100409210C C 20080806
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=100409210C&KC=C>

PI. PDF. F 表示形式

PI CN 1550999 A 20041201
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=1550999&KC=A>

PI CN 100409210C C 20080806
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=CN&NR=100409210C&KC=C>

PI JP 2004343275 A 20041202
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=JP&NR=2004343275&KC=A>

PI US 20040227974 A1 20041118
URL:<http://worldwide.espacenet.com/publicationDetails/originalDocument?CC=US&NR=20040227974&KC=A1>

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

PILS 表示形式

PI US 20040133043 A1 20040708
PI US 6903239 B2 20050607

LEGAL STATUS

AN 49259067 INPADOCDB Full-text
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

20090607 USLAPS

..... 20110428
- LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals

20090728 USFP

..... 20110428
- EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20090730

PILS.M 表示形式

PI US 20040133043 A1 20040708
PI US 6903239 B2 20050607

LEGAL STATUS

AN 49259067 INPADOCDB Full-text
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

20090607 USLAPS

..... 20110428
- LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
NIF Lapses, Expiries, Withdrawals, Refusals

20090728 USFP

..... 20110428
- EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
20090607
NIF Lapses, Expiries, Withdrawals, Refusals
..... 20090730

PILS.F 表示形式

PI CN 1506347 A 20040623

LEGAL STATUS

AN 18243483 INPADOCDB Full-text
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 21240708 INPADOCDB Full-text
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 24120015 INPADOCDB Full-text
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 46011576 INPADOCDB Full-text
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 49259067 INPADOCDB Full-text
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 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.

PIRE. M 表示形式

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.

PIRE. F 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 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.

PICITN.M 表示形式

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; RYBAUT
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; RYBAUT MYRIAM, FR
PNC.G 3. THERE ARE 3 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD.

PICITN.F 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-BAB2O4
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; RYBAUT
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; RYBAUT 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
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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 Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
PI US 7349147 B2 20080325

TIPI.M 表示形式

TI ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT RESISTANT EMULSION
AGGREGATION PARTICLES.
PI US 20070297038 A1 20071227

TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
PI US 7349147 B2 20080325

TIPI.F 表示形式

TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
PI CN 101093337 A 20071226

TI ELECTROPHORETIC DISPLAY MEDIUM.
PI JP 2008003600 A 20080110

TI ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT RESISTANT EMULSION
AGGREGATION PARTICLES.
PI US 20070297038 A1 20071227

TI Electrophoretic display medium containing solvent resistant emulsion
aggregation particles.
PI US 7349147 B2 20080325

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

SCAN 表示形式

TI STORAGE, CONTROL METHOD THEREOF, PROGRAM THEREFOR, AND RECORDING MEDIUM
THEREFOR.

STD 表示形式

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
FN 36316384
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 RE 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

STD. M 表示形式

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 Full-text
FN 36316384
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 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
FN 36316384
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 RE 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

STD. F 表示形式

MEMBER 1

AN 55718392 INPADOCDB ED 20080214 EW 200807 UP 20081113 UW 200846 [Full-text](#)
FN 36316384
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 55788635 INPADOCDB ED 20080225 EW 200808 UP 20130919 UW 201338 [Full-text](#)
FN 36316384
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 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 [Full-text](#)

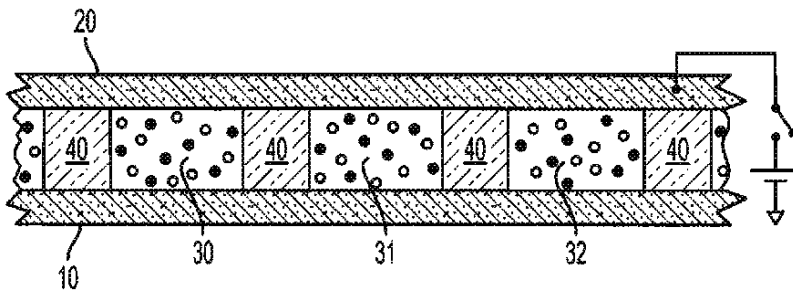
FN 36316384
 TI ELECTROPHORETIC DISPLAY MEDIUM CONTAINING SOLVENT RESISTANT EMULSION
 AGGREGATION PARTICLES.
 TL English
 IN CHOPRA NAVEEN; KEOSHKERIAN BARKEV; KAZMAIER PETER M
 INS CHOPRA NAVEEN, CA; KEOSHKERIAN BARKEV, CA; KAZMAIER PETER M, CA
 PA XEROX CORPORATION
 PAS XEROX CORP, US
 DT Patent
 PI 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.
 IPCI G02B0026-00 [I,A]
 CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
 NCL NCLM 359/296.000

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
 FN 36316384
 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 RE FORMAT.
 PNC.G 7. THERE ARE 7 CITING PATENT REFERENCES AVAILABLE FOR THIS RECORD. ALL
 CITING REFERENCES ARE AVAILABLE IN THE CGP FORMAT.
 IPCI 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

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

STDG 表示形式

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823
FN 36316384
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 RE 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



USA1

TRIAL 表示形式

TI Electrochemical cell having venting current collector and seal assembly.
IC.V 7
ICM H01M002-12
ICS H01M002-26; H01M002-08
IPCR H01M0002-02 [I, A]; H01M0002-04 [I, A]; H01M0002-08 [I, A];
H01M0002-12 [I, A]; H01M0002-26 [I, A]; H01M0002-30 [I, A];
H01M0004-75 [I, A]; H01M0006-08 [I, A]
GPC H01M0002-1276; H01M0002-0413; H01M0002-1229; H01M0002-1294
NCL NCLM 429/082.000
NCLS 429/161.000; 429/185.000
INCL INCLM 429/082.000
INCLS 429/161.000; 429/185.000
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL;
PA; PI; PIT; PRAI; TI
TI Electrochemical cell having venting current collector and seal assembly.
IC.V 7
ICM H01M002-12
ICS H01M002-26; H01M002-08
IPCR H01M0002-02 [I, A]; H01M0002-04 [I, A]; H01M0002-08 [I, A];
H01M0002-12 [I, A]; H01M0002-26 [I, A]; H01M0002-30 [I, A];
H01M0004-75 [I, A]; H01M0006-08 [I, A]
GPC H01M0002-1276; H01M0002-0413; H01M0002-1229; H01M0002-1294
NCL NCLM 429/054.000
NCLS 429/057.000; 429/171.000; 429/185.000
INCL INCLM 429/054.000
INCLS 429/057.000; 429/171.000; 429/185.000
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; ICS; IN; INS; IPC; IPCR; INCL; NCL;
PA; PAS; PI; PIT; PRAI; REP; TI; XPD

CFAM 表示形式

PATENT FAMILY INFORMATION

AN 49259067 INPADOCDB

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| 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 49259067 INPADOCDB

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| 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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|-----Applications-----|
| 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
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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 49259067 INPADOCDB

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| 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
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| 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 49259067 INPADOCDB

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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
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		US 6903239	B2 20050607

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

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DE 2002-10257357	A 20021209	CN 2003-10120223	A 20031209
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		EP 2003-26982	A 20031126
		JP 2003-409405	A 20031208
		US 2003-718758	A 20031121

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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)

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PATENT FAMILY INFORMATION
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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

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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 49259067 INPADOCDB

+----- 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 INPADOCDB

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
20040616 EPAK	+ DESIGNATED CONTRACTING STATES:	
	[EP 2003-26982	A 20031126]
	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	
	[EP 2003-26982	A 20031126]
	AL LT LV MK	
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 55718392 INPADOCDB ED 20080214 EW 200807 UP 20081113 UW 200846
FN 36316384
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
FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPC1; LA; PA; PAS; PI;
PIT; PRAI; TI

LEGAL STATUS

AN 55718392 INPADOCDB
20071226 CNC06 + PUBLICATION
.....20090507
20090826 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
EXA Examination, Search Report
.....20091105
20121107 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20130221

MEMBER 2

AN 55788635 INPADOCDB ED 20080225 EW 200808 UP 20130919 UW 201338
FN 36316384
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
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;
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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; CGP; CHG; CPC; DT; ED; FCL; FTRM; EW; IN; INS; IPC;
IPCI; PA; PAS; PI; PIT; PRAI; TI
CHG AB A

LEGAL STATUS

AN 55788635 INPADOCDB
20100619 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
JAPANESE INTERMEDIATE CODE: A621
20100618
EXA Examination, Search Report
.....20120531
20110602 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
JAPANESE INTERMEDIATE CODE: A761
20110601
NIF Lapses, Expiries, Withdrawals, Refusals
.....20120209

MEMBER 3

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823
FN 36316384
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
IPCI 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
FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL;
PA; PAS; PI; PIT; PRAI; TI

AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823
FN 36316384
TI Electrophoretic display medium containing solvent resistant emulsion
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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 RE FORMAT.
 IPCI 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
 FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

LEGAL STATUS

AN 55566757 INPADOCDB
 20070112 USAS ASSIGNMENT
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 20060620
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20090219
 20111107 USREMI MAINTENANCE FEE REMINDER MAILED
20111208
 20120325 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
 NIF Lapses, Expiries, Withdrawals, Refusals
20120510
 20120515 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
 20120325
 NIF Lapses, Expiries, Withdrawals, Refusals
20120517

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

MEMBER 5

AN 49268576 INPADOCDB UP 20120607 UW 201223
FN 13537954
TI Manual floor sweeper.
TL English
IN SIN TIMMY HOK YIN; HUI CHIU FAI; HOI MA KEVIN KAM
INS SIN TIMMY HOK YIN, HK; HUI CHIU FAI, HK; HOI MA KEVIN KAM, HK
PA TECHTRONIC INDUSTRIES CO., LTD.
PAS TECHTRONIC IND CO LTD, HK
DT Patent
PI US 20040205915 A1 20041021
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041021 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2003-728093 A 20031205
AIT USA Patent application
PRAI US 2003-728093 A 20031205 (USA, N)
US 2003-463324P P 20030417 (USP, 20070830, Y)
PRAIT USA Patent application
USP Provisional application
IC.V 7
ICM A47L011-32
IPCR A47L0011-32 [I, A]
CPC A47L0011-32; A47L0011-4041; A47L0011-4069; A47L0011-4072
NCL NCLM 015/048.100
NCLS 015/041.100
INCL INCLM 015/048.100
INCLS 015/041.100
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL;
PA; PAS; PI; PIT; PRAI; TI
CHG PRAI A; IPC A

AN 49268576 INPADOCDB UP 20120607 UW 201223
FN 13537954
TI Manual floor sweeper.
TL English
IN SIN TIMMY HOK YIN; HUI CHIU FAI; MA KEVIN KAM HOI
INS SIN TIMMY HOK YIN, HK; HUI CHIU FAI, HK; MA KEVIN KAM HOI, HK
PA TECHTRONIC INDUSTRIES CO., LTD.
PAS TECHTRONIC IND CO LTD, HK
DT Patent
PI US 6912753 B2 20050705 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20050705 printed-with-grant
STA GRANTED
AI US 2003-728093 A 20031205
AIT USA Patent application
PRAI US 2003-728093 A 20031205 (USA, N)
US 2003-463324P P 20030417 (USP, 20070830, Y)
PRAIT USA Patent application
USP Provisional application
XPD 20231205
REC 11. THERE ARE 11 CITED REFERENCES (11 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE RE FORMAT.
IC.V 7
ICM A47L011-32
ICS A47L011-33
IPCR A47L0011-32 [I, A]
CPC A47L0011-32; A47L0011-4041; A47L0011-4069; A47L0011-4072
NCL NCLM 015/048.100
NCLS 015/041.100

INCL INCLM 015/048.100
INCLS 015/041.100
FA AB; AI; AN; DAV; CHG; GPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL;
NCL; PA; PAS; PI; PIT; PRAI; REP; TI; XPD
CHG PRAI A; IPC A

LEGAL STATUS

AN 49268576 INPADOCDB
20040316 USAS ASSIGNMENT
TECHTRONIC INDUSTRIES CO., LTD., HONG KONG
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SIN, TIMMY HOK
YIN;HUI, CHIU FAI;MA, KEVIN KAM
HOI;REEL/FRAME:015091/0023
20031229
CHG Change of Owner, Inventor, Applicant
..... 20090312
20090105 USFPAY + FEE PAYMENT
..... 20110428
20121205 USFPAY + FEE PAYMENT
..... 20121213

FFAMG 表示形式

MEMBER 1

AN 55718392 INPADOCDB ED 20080214 EW 200807 UP 20081113 UW 200846 Full-text
 FN 36316384
 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
 IPCI G02F0001-167 [I,A]
 CPC G02B0026-026; G02F0001-167; G02F2001-1672; G02F2001-1678; G02F2202-022
 FA AB; AI; AN; DAV; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI;
 PIT; PRAI; TI

LEGAL STATUS

AN 55718392 INPADOCDB
 20071226 CNC06 + PUBLICATION
20090507
 20090826 CNC10 REQUEST OF EXAMINATION AS TO SUBSTANCE
 EXA Examination, Search Report
20091105
 20121107 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
 (PATENT LAW 2001)
 NIF Lapses, Expiries, Withdrawals, Refusals
20130221

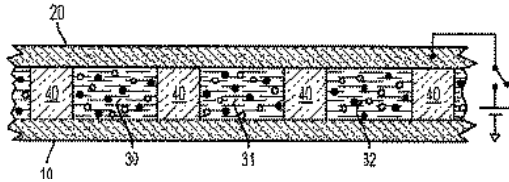
MEMBER 2

AN 55788635 INPADOCDB ED 20080225 EW 200808 UP 20130919 UW 201338 Full-text
 FN 36316384
 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
 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
 FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ED; FCL; FTRM; EW; IN; INS; IPC;
 IPCI; PA; PAS; PI; PIT; PRAI; TI
 CHG AB A

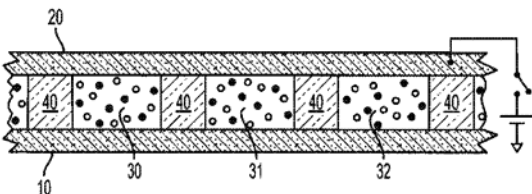
LEGAL STATUS

AN 55788635 INPADOCDB Full-text
 20100619 JPA621 + WRITTEN REQUEST FOR APPLICATION EXAMINATION
 JAPANESE INTERMEDIATE CODE: A621
 20100618
 EXA Examination, Search Report
 20120531
 20110602 JPA761 - WRITTEN WITHDRAWAL OF APPLICATION
 JAPANESE INTERMEDIATE CODE: A761
 20110601
 NIF Lapses, Expiries, Withdrawals, Refusals
 20120209



MEMBER 3

AN 55566757 INPADOCDB ED 20080118 EW 200803 UP 20080605 UW 200823 Full-text
 FN 36316384
 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
 IPCI 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
 FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL;
 PA; PAS; PI; PIT; PRAI; TI



AN 55566757 INPADOCDB ED 20080403 EW 200814 UP 20080605 UW 200823 Full-text
 FN 36316384
 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 RE FORMAT.
 IPCI 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
 FA AB; AI; AN; DAV; CGP; CPC; DT; ED; EW; IN; INS; IPC; IPCI; LA; INCL; NCL;
 PA; PAS; PI; PIT; PRAI; REN; REP; TI; XPD

LEGAL STATUS

AN 55566757 INPADOCDB Full-text
 20070112 USAS ASSIGNMENT
 XEROX CORPORATION, CONNECTICUT
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:CHOPRA,
 NAVEEN;KEOSHKERIAN, BARKEV;KAZMAIER, PETER
 M.;REEL/FRAME:018763/0313
 20060620
 CHG Change of Owner, Inventor, Applicant
20090219
 20111107 USREMI MAINTENANCE FEE REMINDER MAILED
20111208
 20120325 USLAPS - LAPSE FOR FAILURE TO PAY MAINTENANCE FEES
 NIF Lapses, Expiries, Withdrawals, Refusals
20120510
 20120515 USFP - EXPIRED DUE TO FAILURE TO PAY MAINTENANCE FEE
 20120325
 NIF Lapses, Expiries, Withdrawals, Refusals
20120517

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

IFAM 表示形式

TITLE: Method for matching magnetic resonant measuring scheme with object to be examined.

PATENT FAMILY INFORMATION

AN 18276964 INPADOODB

+----- 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
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| CHINA (CN) |
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MEMBER 1

ACCESSION NUMBER: 18276964 INPADOODB Full-text
 FAMILY NUMBER: 13537959
 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
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CN 1550208	A	20041201
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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
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APPL. INFO. TYPE: CNA Patent application

PRIORITY APPL. INFO.:	DE 2003-10322141	A	20030516	(DEA, Y)
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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 RECLASSIF. (ADV): 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 18276964 INPADOODB Full-text

20041201 CNC06

+ PUBLICATION

.....20090531

20070704 CNC02

- DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)

NIF Lapses, Expiries, Withdrawals, Refusals

.....20090531

GERMANY FEDERAL REPUBLIC OF (DE)

MEMBER 2

ACCESSION NUMBER: 21263021 INPADOCDB Full-text
FAMILY NUMBER: 13537959
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
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
APPLICATION INFO. : DE 2003-10322141 A 20030516
APPL. INFO. TYPE: DEA Patent application
PRIORITY APPL. INFO. : DE 2003-10322141 A 20030516 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application
CITED PATENT REF. : 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
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 RECLASSIF. (ADV) : 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 21263021 INPADOCDB Full-text
 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

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+-----+
| UNITED STATES OF AMERICA (US) |
+-----+
  
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MEMBER 3

ACCESSION NUMBER: 49850696 INPADOCDB Full-text
 FAMILY NUMBER: 13537959
 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
US 20050038336	A1	20050217
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY: 20050217 unexamined-printed-without-grant		
PATENT STATUS: PRE-GRANT PUBLICATION		
US 2004-846246	A	20040514
APPL. INFO. TYPE: USA Patent application		
DE 2003-10322141	A	20030516 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application		
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 RECLASSIF. (ADV): 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 49850696 INPADOCDB Full-text

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)

IFAMG 表示形式

TITLE: Method for matching magnetic resonant measuring scheme with object to be examined.

PATENT FAMILY INFORMATION

AN 18276964 INPADOODB

+----- 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: 18276964 INPADOODB Full-text
FAMILY NUMBER: 13537959
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: A61B0005-055 (not assigned by patent authority)
 SECONDARY: G01R0033-20
IPC RECLASSIF. (ADV): 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 18276964 INPADOODB Full-text
20041201 CNC06 + PUBLICATION
.....20090531
20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION
(PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals
.....20090531

GERMANY FEDERAL REPUBLIC OF (DE)

MEMBER 2

ACCESSION NUMBER: 21263021 INPADOCDB Full-text
FAMILY NUMBER: 13537959
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:

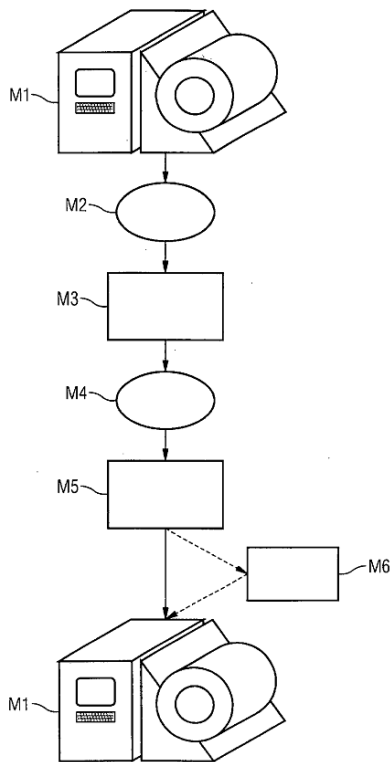
NUMBER	KIND	DATE
DE 10322141	A1	20040902

PATENT INFO. TYPE: DEA1 DOC. LAID OPEN (FIRST PUBLICATION)
DATE OF AVAILABILITY: 20040902 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: DE 2003-10322141 A 20030516
APPL. INFO. TYPE: DEA Patent application
PRIORITY APPL. INFO.: DE 2003-10322141 A 20030516 (DEA, Y)
PRIO. APPL. INFO. TYPE: DEA Patent application
CITED PATENT REF.: 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
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: A61B0005-055 (not assigned by patent authority)
IPC RECLASSIF. (ADV): 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 21263021 INPADOCDB Full-text
 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: 49850696 INPADOCDB Full-text
 FAMILY NUMBER: 13537959
 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.:

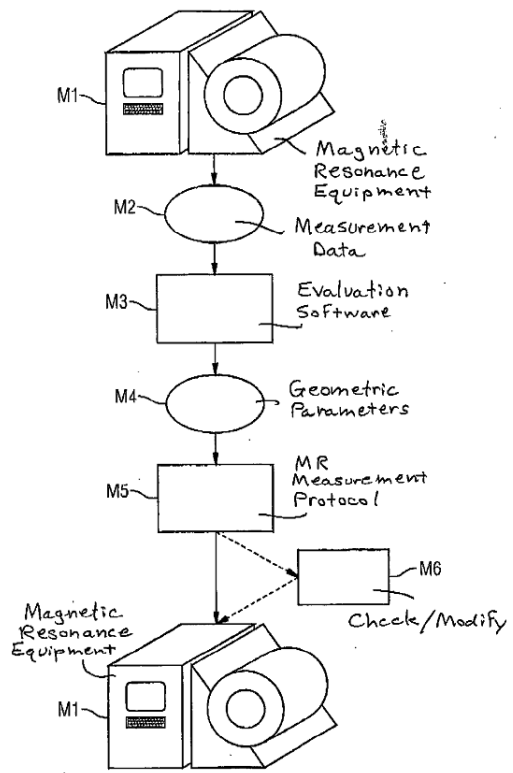
MAIN: A61B0005-05 (not assigned by patent authority)
IPC RECLASSIF. (ADV): A61B0005-055 [N,A]; G01R0033-54 [I,A]
CPC CLASSIFICATION: G01R0033-54; A61B0005-055
USCLASS NCLM: 600/410.000
USCLASS INCLM: 600/410.000

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 49850696 INPADOCDB Full-text
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 18276964 INPADOCDB Full-text
FN 13537959
PI CN 1550208 A 20041201

LEGAL STATUS

AN 18276964 INPADOCDB Full-text
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 21263021 INPADOCDB Full-text
FN 13537959
PI DE 10322141 A1 20040902

LEGAL STATUS

AN 21263021 INPADOCDB Full-text
20040902 DEQAV + 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 49850696 INPADOCDB Full-text
FN 13537959
PI US 20050038336 A1 20050217

LEGAL STATUS

AN 49850696 INPADOCDB Full-text
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 18276964 INPADOCDB Full-text
FN 13537959
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 18276964 INPADOCDB Full-text
20041201 CNC06 + PUBLICATION20090531
20070704 CNC02 - DEEMED WITHDRAWAL OF PATENT APPLICATION AFTER PUBLICATION (PATENT LAW 2001)
NIF Lapses, Expiries, Withdrawals, Refusals20090531

MEMBER 2

AN 21263021 INPADOCDB Full-text
FN 13537959
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.
 AL English
 AS transcript
 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

AN 21263021 INPADOCDB Full-text
 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 49850696 INPADOCDB Full-text
 FN 13537959
 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
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
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
AS national office
FA AB; AI; AN; DAV; CGP; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL; PA; PI; PIT; PRAI; TI

LEGAL STATUS

AN 49850696 INPADOCDB Full-text
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)

MEMBER 5

AN 49268576 INPADOCDB UP 20120607 UW 201223 Full-text
FN 13537954
TI Manual floor sweeper.
TL English
IN SIN TIMMY HOK YIN; HUI CHIU FAI; HOI MA KEVIN KAM
INS SIN TIMMY HOK YIN, HK; HUI CHIU FAI, HK; HOI MA KEVIN KAM, HK
PA TECHTRONIC INDUSTRIES CO., LTD.
PAS TECHTRONIC IND CO LTD, HK
DT Patent
PI US 20040205915 A1 20041021
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041021 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2003-728093 A 20031205
AIT USA Patent application
PRAI US 2003-728093 A 20031205 (USA, N)
US 2003-463324P P 20030417 (USP, 20070830, Y)
PRAIT USA Patent application
USP Provisional application
CGP US 8726441 B1 20140520 [US20040205915A1 (SEA, pat)]
AUERBACH MITCHELL, US; BISSELL HOMECARE INC, US; COLASANTI JOHN
ALBERT, US; MINER JONATHAN L, US; REED JR CHARLES A, US
PNC. G 1. THERE IS 1 CITING PATENT REFERENCE AVAILABLE FOR THIS RECORD.
IC. V 7
ICM A47L011-32
IPCR A47L0011-32 [I,A]
CPC A47L0011-32; A47L0011-4041; A47L0011-4069; A47L0011-4072
NCL NCLM 015/048.100
NCLS 015/041.100
INCL INCLM 015/048.100
INCLS 015/041.100
AB A manual floor sweeper includes a housing and a brush roller mounted
within the housing and rotatable in a sweeping direction. A first drive
member is fixed to the brush roller. A second drive member is mounted
rotatably with the housing and engagable with the first drive member. A
drive carriage is movable between a first position for engaging the first
drive wheel when the sweeper is moved in a first direction so as to
rotate the brush roller in the sweeping direction and a second position
when the sweeper is moved in a second direction for engaging the second
drive member so as to move the brush roller in the sweeping direction.
AL English
AS national office
FA AB; AI; AN; DAV; CGP; CHG; CPC; DT; ICM; IN; INS; IPC; IPCR; INCL; NCL;
PA; PAS; PI; PIT; PRAI; TI
CHG PRAI A; IPC A

AN 49268576 INPADOCDB UP 20120607 UW 201223 Full-text
FN 13537954
TI Manual floor sweeper.
TL English
IN SIN TIMMY HOK YIN; HUI CHIU FAI; MA KEVIN KAM HOI
INS SIN TIMMY HOK YIN, HK; HUI CHIU FAI, HK; MA KEVIN KAM HOI, HK
PA TECHTRONIC INDUSTRIES CO., LTD.
PAS TECHTRONIC IND CO LTD, HK
DT Patent
PI US 6912753 B2 20050705 English
PIT USB2 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS SECOND
PUBLICATION [FROM 2001 ONWARDS]
DAV 20050705 printed-with-grant
STA GRANTED
AI US 2003-728093 A 20031205

AIT USA Patent application
 PRAI US 2003-728093 A 20031205 (USA, N)
 US 2003-463324P P 20030417 (USP, 20070830, Y)
 PRAIT USA Patent application
 USP Provisional application
 XPD 20231205
 REP US 642172 A 19000130 (SEA, pat)
 CHARLES R HARRIS, US; SWEITZER CHARLES C, US; W S HEMPERLEY
 US 1972870 A 19340911 (SEA, pat)
 IRVING H VOGEL
 US 2563189 A 19510807 (SEA, pat)
 EPHRAIM RIGBY ERNEST
 US 2587038 A 19520226 (SEA, pat)
 WHITE AIRCRAFT CORP
 US 2625698 A 19530120 (SEA, pat)
 BRIAM IND CORP
 US 2783487 A 19570305 (SEA, pat)
 JOSEPH E DE SIO; LLOYD LUDERS; MARGARET LUDERS
 US 3602932 A 19710907 (SEA, pat)
 BISSELL INC
 US 3638267 A 19720201 (SEA, pat)
 GUNTER LEIFHEIT KG
 US 4007508 A 19770215 (APP, pat)
 WATANABE HIROSHI
 US 4823422 A 19890425 (APP, pat)
 YAMAZAKI SANGYO KK, JP
 US 5239721 A 19930831 (APP, pat)
 ROYAL APPLIANCE MFG, US
 REC 11. THERE ARE 11 CITED REFERENCES (11 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD.
 ICM A47L011-32
 ICS A47L011-33
 IPCR A47L0011-32 [I, A]
 CPC A47L0011-32; A47L0011-4041; A47L0011-4069; A47L0011-4072
 NCL NCLM 015/048.100
 NCLS 015/041.100
 INCL INCLM 015/048.100
 INCLS 015/041.100
 AB A manual floor sweeper includes a housing and a brush roller mounted within the housing and rotatable in a sweeping direction. A first drive member is fixed to the brush roller. A second drive member is mounted rotatably with the housing and engagable with the first drive member. A drive carriage is movable between a first position for engaging the first drive wheel when the sweeper is moved in a first direction so as to rotate the brush roller in the sweeping direction and a second position when the sweeper is moved in a second direction for engaging the second drive member so as to move the brush roller in the sweeping direction.
 AL English
 AS national office
 FA AB; AI; AN; DAV; CHG; GPC; DT; ICM; ICS; IN; INS; IPC; IPCR; LA; INCL; NCL; PA; PAS; PI; PIT; PRAI; REP; TI; XPD
 CHG PRAI A; IPC A

LEGAL STATUS

AN 49268576 INPADOCDB Full-text
 20040316 USAS ASSIGNMENT
 TECHTRONIC INDUSTRIES CO., LTD., HONG KONG
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:SIN, TIMMY HOK YIN;HUI, CHIU FAI;MA, KEVIN KAM
 HOI;REEL/FRAME:015091/0023
 20031229
 CHG Change of Owner, Inventor, Applicant
 20090312
 20090105 USFPAY + FEE PAYMENT
 20110428
 20121205 USFPAY + FEE PAYMENT
 20121213

MFAMG 表示形式

MEMBER 1

AN 18277691 INPADOCDB UP 20071122 UW 200747 Full-text
FN 13538461
SFN 33410702
TI Image processing system, 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 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
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
PRAIT JPA Patent application
IC.V 7
ICM G06F0013-00
ICS G06F0003-12; H04N0001-00
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 18277691 INPADOCDB ED 20081113 EW 200846 UP 20081211 UW 200850 Full-text
FN 13538461
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
AIT CNA Patent application
PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)
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 18277691 INPADOCDB Full-text
20041201 CNC06 + PUBLICATION
20060628 CNC1020090531
REQUEST OF EXAMINATION AS TO SUBSTANCE

EXA Examination, Search Report

20080806 CNC14 + GRANTED 20090531
 20090531

MEMBER 2

AN 46159799 INPADOCDB UP 20130822 UW 201334 Full-text
 FN 13538461
 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
 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 H04N0001-00
 ICS B41J0029-38; G06F0003-12
 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 46159799 INPADOCDB Full-text

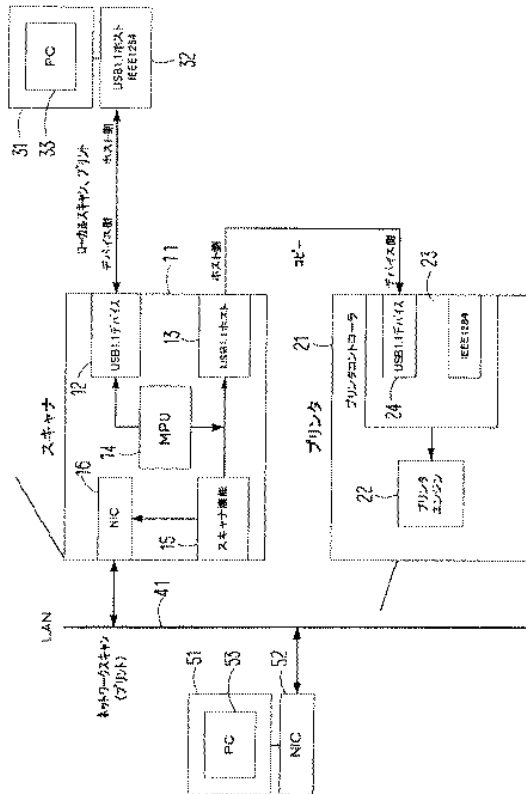
20051110 JPA977 REPORT ON RETRIEVAL
 JAPANESE INTERMEDIATE CODE: A971007
 20051110 20131128

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 20131121

NIF Lapses, Expiries, Withdrawals, Refusals
 20131121



MEMBER 3

AN 49792733 INPADOCDB UP 20071122 UW 200747 Full-text
 FN 13538461
 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
 AIT USA Patent application
 PRAI JP 2003-135319 A 20030514 (JPA, 20081113, Y)

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 G06F0003-00

ICS G06F0015-00; H04N0001-04

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 49792733 INPADOCDB Full-text
20040204 USAS

ASSIGNMENT

MURATA KIKAI KABUSHIKI KAISHA, JAPAN

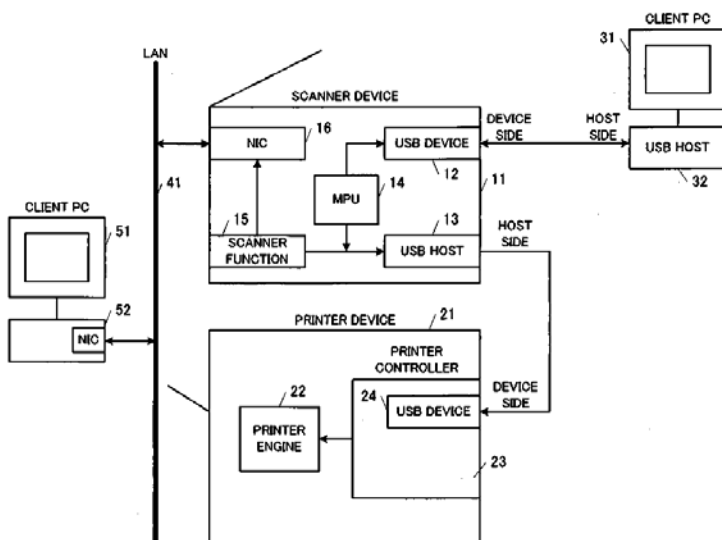
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HATASHITA,

MASAHIRO;REEL/FRAME:014968/0446

20040127

CHG Change of Owner, Inventor, Applicant

..... 20090312



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

SFAM 表示形式

PATENT FAMILY INFORMATION

AN 14737924 INPADOCDB

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EPO simple family (SFN) : 21857910
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+----- 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
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DE 69430912	D1 20020808	DE 1994-69430912	A 19940311
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EP 690923	B1 20020703		
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+----- Priorities -----+		+-----+-----+	
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US 1993-31154	A 19930312	(USA, 20111007, Y)	
US 1991-653869	A 19910208	(USA2, N)	
US 1987-117481	A 19871105	(USAB, N)	

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EPO simple family (SFN) : 22373184
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+----- 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
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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)