

BRIEF 表示形式

AN 13532670 INPAFAMDB UPFB 20080710 UWF 200828
TI Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
- Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
- COLORANT COMPOSITION.
- Colorant compositions.
INS BANNING J H, JP; TIETLINTON D R, JP; KING C R, JP
- BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
- BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PAS XEROX CORP, JP
- XEROX CORP, US
- XEROX CORP
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]; C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
AB (US 6790267 B1)

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

PATENT FAMILY INFORMATION INPAFAMDB

+----- PUBLICATIONS -----+		+----- APPLICATIONS -----+	
CN 1539894	A 20041027	CN 2004-10035105	A 20040423
EP 1471115	A1 20041027	EP 2004-9421	A 20040421
EP 1471115	B1 20080709		
JP 2004323846	A 20041118	JP 2004-121232	A 20040416
US 6790267	B1 20040914	US 2003-422897	A 20030424
US 20040215022	A1 20041028	US 2004-854581	A 20040525
+----- PRIORITIES -----+			
US 2003-422897	A 20030424		
US 2004-854581	A 20040525		

2 priorities, 5 applications, 6 publications

BIB 表示形式

AN 13532670 INPAFAMDB UPFB 20080710 UWF 200828 Full-text
DN 18269152
TI Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
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- BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PAS XEROX CORP, JP
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PI CN 1539894 A 20041027
EP 1471115 A1 20041027
EP 1471115 B1 20080709
JP 2004323846 A 20041118
US 6790267 B1 20040914
US 20040215022 A1 20041028
AI CN 2004-10035105 A 20040423
EP 2004-9421 A 20040421
JP 2004-121232 A 20040416
US 2003-422897 A 20030424
US 2004-854581 A 20040525
PRAI US 2003-422897 A 20030424 (USA, 20080710)
US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3, 20080710)
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
- 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

2 priorities, 5 applications, 6 publications

BIB.M 表示形式

MEMBER 1

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

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
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DS R: DE FR GB
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AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
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PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent

PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
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DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
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MEMBER 5

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

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

2 priorities, 5 applications, 6 publications

BIB.U 表示形式

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DN 24162311
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INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
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DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application

2 priorities, 5 applications, 6 publications

IBIB 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
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- Colorant compositions.

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1539894	A	20041027
EP 1471115	A1	20041027
EP 1471115	B1	20080709
JP 2004323846	A	20041118
US 6790267	B1	20040914
US 20040215022	A1	20041028

APPLICATION INFO. :

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

PRIORITY APPL. INFO. :

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

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

2 priorities, 5 applications, 6 publications

IBIB.M 表示形式

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: J. H. BANING; D. R. TIETLINTON; C. R. KING
STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, JP
PATENT INFORMATION:
NUMBER KIND DATE

CN 1539894 A 20041027
PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2004-10035105 A 20040423
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application

MEMBER 2

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
UP 20071004 UW 200740
DOCUMENT NUMBER: 24162311
TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TITLE LANGUAGE: German; English; French
INVENTOR(S):
NON-STANDARD.: BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:
NUMBER KIND DATE

EP 1471115 A1 20041027 English
PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DATE OF AVAILABILITY: 20041027 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
R: DE FR GB
APPLICATION INFO.: EP 2004-9421 A 20040421
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE: German; English; French

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

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1471115	B1	20080709

English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text

DOCUMENT NUMBER: 46140936

TITLE: COLORANT COMPOSITION.

TITLE LANGUAGE: English

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

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE
JP 2004323846	A	20041118

JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]

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

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: JP 2004-121232 A 20040416

APPL. INFO. TYPE: JPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 49146124
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING
CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:
NUMBER KIND DATE

US 6790267 B1 20040914
PATENT INFO. TYPE: USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
AS FIRST PUBLICATION [FROM 2001 ONWARDS]
DATE OF AVAILABILITY: 20040914 printed-with-grant
PATENT STATUS: GRANTED
APPLICATION INFO.: US 2003-422897 A 20030424
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
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MEMBER 5

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

US 20040215022 A1 20041028
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
ONWARDS]
DATE OF AVAILABILITY: 20041028 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: US 2004-854581 A 20040525
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRIO. APPL. INFO. TYPE: USA Patent application
USA3 Prior application claimed for a division

2 priorities, 5 applications, 6 publications

IBIB.P 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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German; English; French

TITLE LANGUAGE:

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

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1471115	B1	20080709 English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

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STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1471115	B1	20080709 English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA, 20080710)
PRIO. APPL. INFO. TYPE: USA Patent application

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STD 表示形式

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ICM C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02
ICS C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]; C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
- X54633; X558408; X56444; X564443; X55819; X564441; 546329

2 priorities, 5 applications, 6 publications

STD.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09D011-02
ICS C09D011-12; C09D011-14
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
EPC C09B0069-00; C09D0011-00C4

MEMBER 5

AN 13532670 INPAFAMDB Full-text
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-854581 A 20040525
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRAIT USA Patent application
USA3 Prior application claimed for a division
IC.V 7
ICM C07F009-02
ICS C07D213-54
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

STD.P 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

STD.U 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

ALL 表示形式

AN 13532670 INPAFAMDB UPFB 20080710 UWF 200828 Full-text
DN 18269152
TI Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
- Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
- COLORANT COMPOSITION.
- Colorant compositions.
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
- BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
- BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PAS XEROX CORP, JP
- XEROX CORP, US
- XEROX CORP
PI CN 1539894 A 20041027
EP 1471115 A1 20041027
EP 1471115 B1 20080709
JP 2004323846 A 20041118
US 6790267 B1 20040914
US 20040215022 A1 20041028
AI CN 2004-10035105 A 20040423
EP 2004-9421 A 20040421
JP 2004-121232 A 20040416
US 2003-422897 A 20030424
US 2004-854581 A 20040525
PRAI US 2003-422897 A 20030424 (USA, 20080710)
US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3, 20080710)
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
- 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
ICM C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02
ICS C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]; C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00G4
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
- X54633; X558408; X56444; X564443; X55819; X564441; 546329
AB (US 6790267 B1)
Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.

2 priorities, 5 applications, 6 publications

ALL.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
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IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI: AN: DAV: DS: DT: EPC: ICM: ICS: IN: INS: IPC: IPCR: LA: PA: PAS: PI:
PIT: PRAI: REP: TI
CHG CIT A

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

TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPC1 C09B0069-00 [I,A]; C09D0011-02 [I,A]; C09B0069-00 [I,C*];
C09D0011-02 [I,C*]
IPCR C09B0023-00 [I,A]; C09B0069-10 [I,A]; C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI: AN: DAV: DS: DT: ED: EPC: EW: IN: INS: IPC: IPC1: IPCR: LA: PA: PAS:
PI: PIT: PRAI: TI

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A]
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI: AN: DAV: DT: EPC: ICM: ICS: IN: INS: IPC: IPCR: PA: PAS: PI: PIT;
PRAI: TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09D011-02
ICS C09D011-12; C09D011-14
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
EPC C09B0069-00; C09D0011-00C4
AB Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl
group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R',
independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro
group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing
the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number
of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen
atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium
groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups,
sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups,
nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl
groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups,
wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; REN; REP; TI

MEMBER 5

AN 13532670 INPAFAMDB Full-text
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION

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 AIT USA Patent application
 PRAI US 2004-854581 A 20040525 (USA)
 US 2003-422897 A 20030424 (USA3)
 PRAIT USA Patent application
 USA3 Prior application claimed for a division
 IC.V 7
 ICM C07F009-02
 ICS C07D213-54
 IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
 C09D0011-00 [I,A]
 C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
 NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
 EPC C09B0069-00; C09D0011-00C4
 AB Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.
 AL English
 AS national office
 FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

ALL.P 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

ALL.U 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

ALLO 表示形式

AN 13532670 INPAFAMDB UPFB 20080710 UWF 200828 Full-text

DN 18269152

TI Toner compound and ink compsns.

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

T10 着色剂化合物及其油
墨组合物.

INS BANNING J H, JP; TIETLINTON D R, JP; KING C R, JP

- BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
- BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

INO J·H·班宁; 蒂特林顿; 金

PAS XEROX CORP, JP

- XEROX CORP, US
- XEROX CORP

PAO 施乐公司

PI CN 1539894 A 20041027

EP 1471115 A1 20041027

EP 1471115 B1 20080709

JP 2004323846 A 20041118

US 6790267 B1 20040914

US 20040215022 A1 20041028

AI CN 2004-10035105 A 20040423

EP 2004-9421 A 20040421

JP 2004-121232 A 20040416

US 2003-422897 A 20030424

US 2004-854581 A 20040525

A10 A2004100351057; 04009421; 2004121232; 10422897; 10854581

PRAI US 2003-422897 A 20030424 (USA, 20080710)

US 2004-854581 A 20040525 (USA)

US 2003-422897 A 20030424 (USA3, 20080710)

PRAO 10/422897; 422897; 2003 422897; 10422897

REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.

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

ICM C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02

ICS C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54

IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]

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

EPC C09B0069-00; C09D0011-00C4

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

- X54633; X558408; X56444; X564443; X55819; X564441; 546329

AB (US 6790267 B1)

Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule. 公开了一种下式结构的着色剂化合物, 其中, R为烷基、芳基、芳烷基、或烷芳基, 以及其中的R可以连到苯基上形成环, 每个 R' 彼此独立地为卤原子、烷基、烷氧基、腈基、硝基、酰胺基或磺酰胺基, z为0、1、2、3或4的整数; n为 代表每个重复的烯化 氧单元中的碳原子个 数的整数, x为代表重 复烯化氧单元的个数 的整数, 以及A

和B彼此 各自独立地为氢原子、卤原子、叔胺基、亚胺基、铵基、氰基、吡啶基、吡啶基、醚基、酯基、酰胺基、硫酸酯基、磺酸酯基、硫化物基团、亚砷基团、膦基、膦基、磷酸酯基、腈基、巯基、硝基、砷基、酰基、偶氮基、氰酸酯基、烷基、烷氧基、芳基、芳氧基、芳烷基、芳烷氧基、烷芳基或烷芳氧基，其中所述的着色剂 每分子至多含有一个-OH、-SH或伯或仲氨基。

2 priorities, 5 applications, 6 publications

ALLO.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
TIO 着色剂化合物及其油
墨组合物
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
INO J·H·班宁; 蒂特林顿;
金
PA XEROX CORP.
PAS XEROX CORP, JP
PAO 施乐公司
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIO A2004100351057
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 10/422897
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
ABOR 公开了一种下式结构
的着色剂化合物，其
中，R为烷基、芳基、
芳烷基、或烷芳基，
以及其中的R可以连到
苯基上形成环，每个
R' 彼此独立地为卤原
子、烷基、烷氧基、
腈基、硝基、酰胺基
或磺酰胺基，z为0、
1、2、3或4的整数；n为
代表每个重复的烯化
氧单元中的碳原子个
数的整数，x为代表重
复烯化氧单元的个数
的整数，以及A和B彼此
各自独立地为氢原子
、卤原子、叔胺基、
亚胺基、铵基、氰基

、吡啶基、吡啶基
、醚基、酯基、酰胺
基、硫酸酯基、磺酸
酯基、硫化物基团、
亚砷基团、膦基、膦
基、磷酸酯基、腈
基、巯基、硝基、砷
基、酰基、偶氮基、
氰酸酯基、烷基、烷
氧基、芳基、芳氧基
、芳烷基、芳烷氧基
、烷芳基或烷芳氧基
，其中所述的着色剂
每分子至多含有一个-
OH、-SH或伯或仲氨基。

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

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

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

TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 2003 422897
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIO 10422897
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09D011-02
ICS C09D011-12; C09D011-14
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
EPC C09B0069-00; C09D0011-00C4
AB Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl
group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R',
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the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number
of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen
atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium
groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups,
sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups,
nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl
groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups,
wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.
AL English
AS national office
FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; REN; REP; TI

MEMBER 5

AN 13532670 INPAFAMDB Full-text
DN 49783991
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 20040215022 A1 20041028
PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20041028 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2004-854581 A 20040525
AIO 10854581
AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRAO 10422897
PRAIT USA Patent application

USA3 Prior application claimed for a division

IC.V 7
ICM C07F009-02
ICS C07D213-54
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
EPC C09B0069-00; C09D0011-00C4
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AS national office
FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

ALLO.P 表示形式

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Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
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IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAO 422897
PRAIT USA Patent application
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

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DN 24162311
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Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

IALL 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
- Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
- Methine dyes with a polyoxyalkylene moiety and inks containing them.
- Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
- COLORANT COMPOSITION.
- Colorant compositions.

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE
CN 1539894	A	20041027
EP 1471115	A1	20041027
EP 1471115	B1	20080709
JP 2004323846	A	20041118
US 6790267	B1	20040914
US 20040215022	A1	20041028

APPLICATION INFO. :

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

PRIORITY APPL. INFO. :

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

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

INT. PATENT CLASSIF. :
MAIN: C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02
SECONDARY: C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54

IPC ORIGINAL (ADV) : C09B0069-00 [I, A]; C09D0011-02 [I, A]
IPC ORIGINAL (CORE) : C09B0069-00 [I, C*]; C09D0011-02 [I, C*]
IPC RECLASSIF. (ADV) : C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]
IPC RECLASSIF. (CORE) : C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA) : C09B0069-00; C09D0011-00C4
NAT. PATENT CLASSIF. : X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

- X54633; X558408; X56444; X564443; X55819; X564441;
546329

ABSTRACT (US 6790267 B1)

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

2 priorities, 5 applications, 6 publications

IALLM 表示形式

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: J. H. BANING; D. R. TIETLINTON; C. R. KING
STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, JP
PATENT INFORMATION:

NUMBER	KIND	DATE
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CN 1539894	A	20041027
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PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2004-10035105 A 20040423
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C09D017-00 (not assigned by patent authority)
SECONDARY: C09D011-00
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];
C09B0069-10 [I,A]; C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

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

NUMBER	KIND	DATE
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EP 1471115	A1	20041027 English
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PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DATE OF AVAILABILITY: 20041027 examined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
DESIGNATED STATES:
R: DE FR GB
APPLICATION INFO.: EP 2004-9421 A 20040421
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C09B069-00 (not assigned by patent authority)
SECONDARY: C09D011-02
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];
C09B0069-10 [I,A]; C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI
UPDATE CHANGES: CIT A

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311
TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie
diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks
containing them.
Colorants methines substitués par un groupe
polyoxyalkylene et encre les contenant.

TITLE LANGUAGE: German; English; French

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

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

PATENT INFORMATION:
NUMBER KIND DATE

EP 1471115 B1 20080709 English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION
DATE OF AVAILABILITY: 20080709 printed-with-grant
PATENT STATUS: GRANTED
DESIGNATED STATES:

R: DE FR GB
APPLICATION INFO.: EP 2004-9421 A 20040421
APPL. INFO. TYPE: EPA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC ORIGINAL (ADV): C09B0069-00 [I,A]; C09D0011-02 [I,A]
IPC ORIGINAL (CORE): C09B0069-00 [I,C*]; C09D0011-02 [I,C*]
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI;
IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 46140936
TITLE: COLORANT COMPOSITION.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
CLIFFORD R
STANDARDIZED: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
CLIFFORD R
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP
STANDARDIZED: XEROX CORP
PATENT INFORMATION:
NUMBER KIND DATE

JP 2004323846 A 20041118
PATENT INFO. TYPE: JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM
1971 ONWARDS]
DATE OF AVAILABILITY: 20041118 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: JP 2004-121232 A 20040416
APPL. INFO. TYPE: JPA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C09B023-00 (not assigned by patent authority)
SECONDARY: C09B069-10; C09D011-00
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];
C09B0069-10 [I,A]; C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: A1; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR;
PA; PAS; PI; PIT; PRAI; TI

MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 49146124
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING
CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:
NUMBER KIND DATE

US 6790267 B1 20040914
PATENT INFO. TYPE: USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT
AS FIRST PUBLICATION [FROM 2001 ONWARDS]
DATE OF AVAILABILITY: 20040914 printed-with-grant
PATENT STATUS: GRANTED
APPLICATION INFO.: US 2003-422897 A 20030424
APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
CITED REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON
PATENT) AVAILABLE FOR THIS RECORD. ALL CITATIONS ARE
AVAILABLE IN THE PIRE FORMAT.

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:

MAIN: C09D011-02 (not assigned by patent authority)

SECONDARY: C09D011-12; C09D011-14

IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];

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

IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];

C09D0011-00 [I,C*]

NAT. PATENT CLASSIF.: X106 3143; 106 3129; X106 3175; X106 3162; X106 3161;

X106 313; X347100

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

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

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: national office

FIELD AVAILABILITY: AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;

IPCR; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

MEMBER 5

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text

DOCUMENT NUMBER: 49783991

TITLE: Colorant compositions.

TITLE LANGUAGE: English

INVENTOR(S):

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

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

PATENT ASSIGNEE(S):

NON-STANDARD.: XEROX CORPORATION

STANDARDIZED: XEROX CORP, US

PATENT INFORMATION:

NUMBER	KIND	DATE
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US 20040215022	A1	20041028
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PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
ONWARDS]

DATE OF AVAILABILITY: 20041028 unexamined-printed-without-grant

PATENT STATUS: PRE-GRANT PUBLICATION

APPLICATION INFO.: US 2004-854581 A 20040525

APPL. INFO. TYPE: USA Patent application

PRIORITY APPL. INFO.: US 2004-854581 A 20040525 (USA)

US 2003-422897 A 20030424 (USA3)

PRIO. APPL. INFO. TYPE: USA Patent application

USA3 Prior application claimed for a division

IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07F009-02 (not assigned by patent authority)
SECONDARY: C07D213-54
IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]
IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
NAT. PATENT CLASSIF.: X54633; X558408; X56444; X564443; X55819; X564441;
546329
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
ABSTRACT (ENGLISH): Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.
ABSTRACT LANGUAGE: English
ABSTRACT SOURCE: national office
FIELD AVAILABILITY: AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; NCL; PA; PAS; PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

IALL.P 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE:

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE	
EP 1471115	B1	20080709	English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]

IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]

IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

IALL.U 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE:

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE	
EP 1471115	B1	20080709	English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]

IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]

IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MAX 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7

ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)

US 4751254 A (APP, pat)
 US 4846846 A (APP, pat)
 US 4851045 A (APP, pat)
 US 4889560 A (APP, pat)
 US 4889761 A (APP, pat)
 US 4912203 A (APP, pat)
 US 5006170 A (APP, pat)
 US 5043013 A (APP, pat)
 US 5082938 A (APP, pat)
 US 5108460 A (APP, pat)
 US 5151120 A (APP, pat)
 US 5221335 A (APP, pat)
 US 5270363 A (APP, pat)
 US 5290921 A (APP, pat)
 US 5372852 A (APP, pat)
 US 5456725 A (APP, pat)
 US 5496879 A (APP, pat)
 US 5591833 A (APP, pat)
 US 5621022 A (APP, pat)
 US 5864002 A (APP, pat)
 US 5919839 A (APP, pat)
 EP 187352 A (APP, pat)
 EP 206286 A (APP, pat)
 WO 9404619 A (APP, pat)
 WO 9713816 A (APP, pat)

REN (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (4) English abstract for DE 4205636AL. (APP)
 (5) English abstract for DE 4205713AL. (APP)
 (6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IC. V 7

ICM C09D011-02

ICS C09D011-12; C09D011-14

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

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
 PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20030424 USAS

ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

20031031 USAS CHG Change of Owner, Inventor, Applicant
ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text

DN 49783991

TI Colorant compositions.

TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.

INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION

PAS XEROX CORP, US

DT Patent

PI US 20040215022 A1 20041028

PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]

DAV 20041028 unexamined-printed-without-grant

STA PRE-GRANT PUBLICATION

AI US 2004-854581 A 20040525

AIT USA Patent application

PRAI US 2004-854581 A 20040525 (USA)

US 2003-422897 A 20030424 (USA3)

PRAIT USA Patent application

USA3 Prior application claimed for a division

IC.V 7

ICM C07F009-02

ICS C07D213-54

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

C09D0011-00 [I,A]

C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]

NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;

PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MAX.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7

ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)

US 4751254 A (APP, pat)
 US 4846846 A (APP, pat)
 US 4851045 A (APP, pat)
 US 4889560 A (APP, pat)
 US 4889761 A (APP, pat)
 US 4912203 A (APP, pat)
 US 5006170 A (APP, pat)
 US 5043013 A (APP, pat)
 US 5082938 A (APP, pat)
 US 5108460 A (APP, pat)
 US 5151120 A (APP, pat)
 US 5221335 A (APP, pat)
 US 5270363 A (APP, pat)
 US 5290921 A (APP, pat)
 US 5372852 A (APP, pat)
 US 5456725 A (APP, pat)
 US 5496879 A (APP, pat)
 US 5591833 A (APP, pat)
 US 5621022 A (APP, pat)
 US 5864002 A (APP, pat)
 US 5919839 A (APP, pat)
 EP 187352 A (APP, pat)
 EP 206286 A (APP, pat)
 WO 9404619 A (APP, pat)
 WO 9713816 A (APP, pat)

REN (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (4) English abstract for DE 4205636AL. (APP)
 (5) English abstract for DE 4205713AL. (APP)
 (6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IC.V 7

ICM C09D011-02

ICS C09D011-12; C09D011-14

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

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
 PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20030424 USAS

ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

20031031 USAS CHG Change of Owner, Inventor, Applicant
ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text

DN 49783991

TI Colorant compositions.

TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.

INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION

PAS XEROX CORP, US

DT Patent

PI US 20040215022 A1 20041028

PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]

DAV 20041028 unexamined-printed-without-grant

STA PRE-GRANT PUBLICATION

AI US 2004-854581 A 20040525

AIT USA Patent application

PRAI US 2004-854581 A 20040525 (USA)

US 2003-422897 A 20030424 (USA3)

PRAIT USA Patent application

USA3 Prior application claimed for a division

IC.V 7

ICM C07F009-02

ICS C07D213-54

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

C09D0011-00 [I,A]

C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]

NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;

PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MAX.P 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 EPAX + 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

MAX.U 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
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Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 EPAX + 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

MAXO 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
TIO 着色剂化合物及其油
墨组合物
IN J. H. BANING; D. R. TIETLINTON; C. R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
INO J·H·班宁; 蒂特林顿;
金
PA XEROX CORP.
PAS XEROX CORP, JP
PAO 施乐公司
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIO A2004100351057
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 10/422897
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
ABOR 公开了一种下式结构
的着色剂化合物, 其
中, R为烷基、芳基、
芳烷基、或烷芳基,
以及其中的R可以连到
苯基上形成环, 每个
R' 彼此独立地为卤原
子、烷基、烷氧基、
腈基、硝基、酰胺基
或磺酰胺基, z为0、
1、2、3或4的整数; n为
代表每个重复的烯化
氧单元中的碳原子个
数的整数, x为代表重
复烯化氧单元的个数
的整数, 以及A和B彼此
各自独立地为氢原子
、卤原子、叔胺基、
亚胺基、铵基、氰基
、吡啶基、吡啶 基
、醚基、酯基、酰胺
基、硫酸酯基、磷酸
酯基、硫化物基团、
亚砷基团、膦基、膦
基、磷酸酯基、腈
基、巯基、硝基、砷
基、酰基、偶氮基、
氰酸酯基、烷基、烷
氧基、芳基、芳氧基

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

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

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent

PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 2003 422897
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];

C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIO 10422897
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)
US 4751254 A (APP, pat)
US 4846846 A (APP, pat)
US 4851045 A (APP, pat)
US 4889560 A (APP, pat)
US 4889761 A (APP, pat)
US 4912203 A (APP, pat)
US 5006170 A (APP, pat)
US 5043013 A (APP, pat)
US 5082938 A (APP, pat)
US 5108460 A (APP, pat)
US 5151120 A (APP, pat)
US 5221335 A (APP, pat)
US 5270363 A (APP, pat)
US 5290921 A (APP, pat)
US 5372852 A (APP, pat)
US 5456725 A (APP, pat)
US 5496879 A (APP, pat)
US 5591833 A (APP, pat)
US 5621022 A (APP, pat)
US 5864002 A (APP, pat)
US 5919839 A (APP, pat)
EP 187352 A (APP, pat)
EP 206286 A (APP, pat)
WO 9404619 A (APP, pat)

WO 9713816 A (APP, pat)

- REN (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(4) English abstract for DE 4205636AL. (APP)
(5) English abstract for DE 4205713AL. (APP)
(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IC. V 7

ICM C09D011-02

ICS C09D011-12; C09D011-14

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

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20030424 USAS ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST:ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

CHG Change of Owner, Inventor, Applicant

20031031 USAS ASSIGNMENT
JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT:ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text

DN 49783991

TI Colorant compositions.

TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.

INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION

PAS XEROX CORP, US

DT Patent
 PI US 20040215022 A1 20041028
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20041028 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI US 2004-854581 A 20040525
 AIO 10854581
 AIT USA Patent application
 PRAI US 2004-854581 A 20040525 (USA)
 US 2003-422897 A 20030424 (USA3)
 PRAO 10422897
 PRAIT USA Patent application
 USA3 Prior application claimed for a division
 IC.V 7
 ICM C07F009-02
 ICS C07D213-54
 IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
 C09D0011-00 [I,A]
 C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
 NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
 EPC C09B0069-00; C09D0011-00C4
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 AL English
 AS national office
 FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
 PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MAXO.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
TIO 着色剂化合物及其油
墨组合物
IN J. H. BANING; D. R. TIETLINTON; C. R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
INO J·H·班宁; 蒂特林顿;
金
PA XEROX CORP.
PAS XEROX CORP, JP
PAO 施乐公司
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIO A2004100351057
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 10/422897
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
ABOR 公开了一种下式结构
的着色剂化合物, 其
中, R为烷基、芳基、
芳烷基、或烷芳基,
以及其中的R可以连到
苯基上形成环, 每个
R' 彼此独立地为卤原
子、烷基、烷氧基、
腈基、硝基、酰胺基
或磺酰胺基, z为0、
1、2、3或4的整数; n为
代表每个重复的烯化
氧单元中的碳原子个
数的整数, x为代表重
复烯化氧单元的个数
的整数, 以及A和B彼此
各自独立地为氢原子
、卤原子、叔胺基、
亚胺基、铵基、氰基
、吡啶基、吡啶 基
、醚基、酯基、酰胺
基、硫酸酯基、磷酸
酯基、硫化物基团、
亚砷基团、膦基、膦
基、磷酸酯基、腈
基、巯基、硝基、砷
基、酰基、偶氮基、
氰酸酯基、烷基、烷
氧基、芳基、芳氧基

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

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

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent

PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIO 2004121232
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAO 2003 422897
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];

C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIO 10422897
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)
US 4751254 A (APP, pat)
US 4846846 A (APP, pat)
US 4851045 A (APP, pat)
US 4889560 A (APP, pat)
US 4889761 A (APP, pat)
US 4912203 A (APP, pat)
US 5006170 A (APP, pat)
US 5043013 A (APP, pat)
US 5082938 A (APP, pat)
US 5108460 A (APP, pat)
US 5151120 A (APP, pat)
US 5221335 A (APP, pat)
US 5270363 A (APP, pat)
US 5290921 A (APP, pat)
US 5372852 A (APP, pat)
US 5456725 A (APP, pat)
US 5496879 A (APP, pat)
US 5591833 A (APP, pat)
US 5621022 A (APP, pat)
US 5864002 A (APP, pat)
US 5919839 A (APP, pat)
EP 187352 A (APP, pat)
EP 206286 A (APP, pat)
WO 9404619 A (APP, pat)

WO 9713816 A (APP, pat)

- REN (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(4) English abstract for DE 4205636AL. (APP)
(5) English abstract for DE 4205713AL. (APP)
(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IC. V 7

ICM C09D011-02

ICS C09D011-12; C09D011-14

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

C09D0011-00 [I,A]

C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20030424 USAS

ASSIGNMENT

XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST:ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

CHG Change of Owner, Inventor, Applicant

20031031 USAS

ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT:ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text

DN 49783991

TI Colorant compositions.

TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.

INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION

PAS XEROX CORP, US

DT Patent
 PI US 20040215022 A1 20041028
 PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
 DAV 20041028 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI US 2004-854581 A 20040525
 AIO 10854581
 AIT USA Patent application
 PRAI US 2004-854581 A 20040525 (USA)
 US 2003-422897 A 20030424 (USA3)
 PRAO 10422897
 PRAIT USA Patent application
 USA3 Prior application claimed for a division
 IC.V 7
 ICM C07F009-02
 ICS C07D213-54
 IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
 C09D0011-00 [I,A]
 C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
 NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
 EPC C09B0069-00; C09D0011-00C4
 AB Disclosed are colorant compounds of the formula wherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl moiety to form a ring, each R', independently of the others, is a halogen atom, an alkyl group, an alkoxy group, a nitrile group, a nitro group, an amide group, or a sulfonamide group, z is an integer of 0, 1, 2, 3, or 4, n is an integer representing the number of carbon atoms in each repeat alkylene oxide unit, x is an integer representing the number of repeat alkylene oxide units, and A and B each, independently of the other, are hydrogen atoms, halogen atoms, tertiary amino groups, imine groups, ammonium groups, cyano groups, pyridine groups, pyridinium groups, ether groups, ester groups, amide groups, sulfate groups, sulfonate groups, sulfide groups, sulfoxide groups, phosphine groups, phosphonium groups, phosphate groups, nitrile groups, mercapto groups, nitro groups, sulfone groups, acyl groups, azo groups, cyanato groups, alkyl groups, alkoxy groups, aryl groups, aryloxy groups, arylalkyl groups, arylalkyloxy groups, alkylaryl groups, or alkylaryloxy groups, wherein said colorant has no more than one -OH, -SH, or primary or secondary amino group per molecule.
 AL English
 AS national office
 FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
 PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MAXO.P 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 EPAX + 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

MAXO.U 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIO 04009421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA, 20080710)
PRAO 422897
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 EPAX + 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

MAXO2 表示形式

MEMBER 1

AN 37423298 INPAFAMDB ED 20090115 EW 200903 UP 20090115 UW 200903
DN 57694715
SFN 38783063
DT Patent
PI CN 101323404 A 20081217
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20081217 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2008-10131479 A 20080612
AIO 2008101314797
AIT CNA Patent application
PRAI FR 2007-55684 A 20070612 (FRA, 20081218, Y)
PRAO 0755684
PRAIT FRA Patent application
IPC1 B65H0037-06 [I, A]; B65H0037-00 [I, C*]
EPC B65H0045-18
FA AI; AN; DAV; DT; ED; EPC; EW; IPC; IPC1; PI; PIT; PRAI

MEMBER 2

AN 37423298 INPAFAMDB ED 20081218 EW 200851 UP 20090205 UW 200906
DN 57582863
SFN 38783063
TI Tisch für eine Falzvorrichtung und entsprechende Falzvorrichtung.
Table for a folder and related folding device.
Table pour dispositif de pli d'équerre et dispositif de pli
d'équerre correspondant.
TL German; English; French
IN CHAGNON, FRANCK; HERDA, PHILIPPE; MELON, THIERRY; PERES, JEROME; PIERDA,
ERIC; ROBERT, JEAN-FRANCOIS; ROSSI, MATHIEU; VAUCHELLE, THIERRY
INS CHAGNON FRANCK, FR; HERDA PHILIPPE, FR; MELON THIERRY, FR; PERES JEROME,
FR; PIERDA ERIC, FR; ROBERT JEAN-FRANCOIS, FR; ROSSI MATHIEU, FR;
VAUCHELLE THIERRY, FR
PA GOSS INTERNATIONAL MONTATAIRE S. A.
PAS GOSS INT MONTATAIRE SA, FR
DT Patent
PI EP 2003079 A1 20081217 French
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20081217 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: 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
XS R: AL BA MK RS
AI EP 2008-104364 A 20080611
AIO 08104364
AIT EPA Patent application
PRAI FR 2007-55684 A 20070612 (FRA, 20081218, Y)
PRAO 0755684
PRAIT FRA Patent application
REC 5. THERE ARE 5 CITED REFERENCES (5 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP FR 2546818 A1 (SEA, pat, Cat: AD)
DE 10251189 A1 (SEA, pat, Cat: A)
US 4863152 A (SEA, pat, Cat: A)
DE 4314239 A1 (SEA, pat, Cat: A)
FR 2546818 A1 (APP, pat)
IPC1 B65H0045-18 [I, A]; B65H0045-12 [I, C*]
EPC B65H0045-18

AB The table has an application surface of products e. g. signatures (17) extending along an application plane. A folding opening (22) is crossed by the products to be folded. A guiding portion (28) is placed adjacent to the opening, and includes a guiding surface (32) inclined with respect to the application plane. A guiding unit forces the products towards the guiding surface, and a main suction opening (36) emerges on the guiding surface. Guiding portion is placed adjacent to the guiding portion and opposite to the guiding portion (22).

AL English

AS transcript

ABFR Cette table pour dispositif de pli d'équerre comprend une surface d'application (20) de produits à plier (17), la surface d'application (20) s'étendant selon un plan d'application (PA), une ouverture de pliage (22) adaptée pour être traversée par les produits à plier (17), au moins une première portion de guidage (28) disposée adjacente à l'ouverture de pliage (22) et comprenant une première surface de guidage (32) inclinée par rapport au plan d'application. La table (12) comprend des moyens de guidage adaptés pour solliciter le produit à plier vers la première surface de guidage (32) et une première ouverture principale d'aspiration (36) débouchant sur la première surface de guidage (32). Application aux plieuses de presses rotatives.

AL French

AS EPO

FA AB; ABFR; AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI; PIT; PRAI; REP; TI

CHG ABEN C

LEGAL STATUS

AN 37423298 INPAFAMDB

20081217 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
200851.....20081218

20081217 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL BA MK RS
200851.....20081218

MEMBER 3

AN 37423298 INPAFAMDB ED 20081229 EW 200852 UP 20081229 UW 200901

DN 57621872

SFN 38783063

TI TABLE POUR DISPOSITIF DE PLI D'EQUERRE ET DISPOSITIF DE PLI D'EQUERRE CORRESPONDANT.

TL French

IN CHAGNON FRANCK; HERDA PHILIPPE FRANCOIS; MELON THIERRY HENRY; PERES JEROME JEAN MICHEL; PIERDA ERIC; ROBERT JEAN FRANCOIS; ROSSI MATHIEU; VAUCHELLE THIERRY BERNARD

INS CHAGNON FRANCK; HERDA PHILIPPE FRANCOIS; MELON THIERRY HENRY; PERES JEROME JEAN MICHEL; PIERDA ERIC; ROBERT JEAN FRANCOIS; ROSSI MATHIEU; VAUCHELLE THIERRY BERNARD

PA GOSS INTERNATIONAL MONTATAIRE SA SOCIETE ANONYME

PAS GOSS INTERNAT MONTATAIRE SA SA, FR

DT Patent

PI FR 2917395 A1 20081219 French

PIT FRA1 APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM 2,000,000]

DAV 20081219 examined-printed-without-grant

STA PRE-GRANT PUBLICATION

AI FR 2007-55684 A 20070612

AIO 0755684

AIT FRA Patent application

PRAI FR 2007-55684 A 20070612 (FRA, 20081218, Y)

PRAIT FRA Patent application

REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR

THIS RECORD.

REP FR 2546818 A1 (SEA, pat, Cat: AD)
 DE 10251189 A1 (SEA, pat, Cat: A)
 US 4863152 A (SEA, pat, Cat: A)
 DE 4314239 A1 (SEA, pat, Cat: A)
 IPCI B65H0045-18 [I, A]; B41F0013-58 [I, A]; B65H0045-12 [I, C*];
 B41F0013-54 [I, C*]
 EPC B65H0045-18
 ABFR Cette table pour dispositif de pli d'équerre comprend une surface
 d'application (20) de produits à plier (17), la surface
 d'application (20) s'étendant selon un plan d'application (PA), une
 ouverture de pliage (22) adaptée pour être traversée par
 les produits à plier (17), au moins une première portion de
 guidage (28) disposée adjacente à l'ouverture de pliage (22) et
 comprenant une première surface de guidage (32) inclinée par
 rapport au plan d'application. La table (12) comprend des moyens de
 guidage adaptés pour solliciter le produit à plier vers la
 première surface de guidage (32) et une première ouverture
 principale d'aspiration (36) débouchant sur la première surface
 de guidage (32). Application aux plieuses de presses rotatives.
 AL French
 AS national office
 FA ABFR; AI; AN; DAV; DT; ED; EPC; EW; IN; INS; IPC; IPCI; LA; PA; PAS; PI;
 PIT; PRAI; REP; TI

MEMBER 4

AN **37423298** INPAFAMDB ED 20090129 EW 200905 UP 20090129 UW 200905
 DN 57882229
 SFN 38783063
 DT Patent
 PI JP 2008308339 A 20081225
 PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
 DAV 20081225 unexamined-printed-without-grant
 STA PRE-GRANT PUBLICATION
 AI JP 2008-154114 A 20080612
 AIO 2008154114
 AIT JPA Patent application
 PRAI FR 2007-55684 A 20070612 (FRA, 20081218, Y)
 PRAO 2007 200755684
 PRAIT FRA Patent application
 IPCI B65H0045-18 [I, A]; B65H0045-12 [I, C*]
 EPC B65H0045-18
 FA AI; AN; DAV; DT; ED; EPC; EW; IPC; IPCI; PI; PIT; PRAI

MEMBER 5

AN **37423298** INPAFAMDB ED 20090102 EW 200901 UP 20090102 UW 200901
 DN 57650517
 SFN 38783063
 TI Table for a chopper folding device and corresponding chopper folding
 device.
 TL English
 IN CHAGNON FRANCK; HERDA PHILIPPE; MELON THIERRY; PERES JEROME; PIERDA ERIC;
 ROBERT JEAN-FRANCOIS; ROSSI MATHIEU; VAUCHELLE THIERRY
 INS CHAGNON FRANCK, FR; HERDA PHILIPPE, FR; MELON THIERRY, FR; PERES JEROME,
 FR; PIERDA ERIC, FR; ROBERT JEAN-FRANCOIS, FR; ROSSI MATHIEU, FR;
 VAUCHELLE THIERRY, FR
 PA GOSS INTERNATIONAL MONTATAIRE SA
 PAS GOSS INTERNAT MONTATAIRE SA, FR
 DT Patent
 PI US 20080307940 A1 20081218 English

PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
DAV 20081218 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI US 2008-157388 A 20080610
AIO 12157388
AIT USA Patent application
PRAI FR 2007-55684 A 20070612 (FRA, 20081218, Y)
PRAO 07 55684
PRAIT FRA Patent application
IPCI B26D0007-06 [I, A]; B31F0007-00 [I, A]; B26D0007-06 [I, C*];
B31F0007-00 [I, C*]
NCL X493444; 83444
EPC B65H0045-18
AB This table for a chopper folding device comprises a surface (20) for application of products to be folded (17), the application surface (20) extending along an application plane (PA), a folding opening (22) suitable for the passage of the products to be folded (17), at least one first guide portion (28) disposed adjacent to the folding opening (22) and comprising a first guide surface (32) inclined with respect to application plane. The table (12) comprises guiding means suitable for urging the product to be folded towards the first guide surface (32) and a first main suction hole (36) which opens on the first guide surface (32). Application to folders of rotary presses.
AL English
AS national office
FA AB; AI; AN; DAV; DT; ED; EPC; EW; IN; INS; IPC; IPCI; LA; NCL; PA; PAS;
PI; PIT; PRAI; TI

1 priority, 5 applications, 5 publications

IMAX 表示形式

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: J. H. BANING; D. R. TIETLINTON; C. R. KING
STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, JP
PATENT INFORMATION:

NUMBER	KIND	DATE
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CN 1539894	A	20041027
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PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2004-10035105 A 20040423
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C09D017-00 (not assigned by patent authority)
SECONDARY: C09D011-00
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];
C09B0069-10 [I,A]; C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

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

NUMBER	KIND	DATE
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EP 1471115	A1	20041027 English
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PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DATE OF AVAILABILITY: 20041027 examined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 DESIGNATED STATES:
 R: DE FR GB
 APPLICATION INFO.: EP 2004-9421 A 20040421
 APPL. INFO. TYPE: EPA Patent application
 PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CITED PATENT REF.: US 5043013 A (SEA, pat, Cat: AD)
 FR 2359881 A1 (SEA, pat, Cat: A)
 US 4132840 A (SEA, pat, Cat: AD)
 US 5621022 A (EXA, pat)CITED REFERENCE
 COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0
 NON PATENT) AVAILABLE FOR THIS RECORD.

IPC VERSION(1-7): 7
 INT. PATENT CLASSIF.:
 MAIN: C09B069-00 (not assigned by patent authority)
 SECONDARY: C09D011-02
 IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]
 IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
 C09D0011-00 [I, C*]
 EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
 FIELD AVAILABILITY: AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI
 UPDATE CHANGES: CIT A

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

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

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

NUMBER	KIND	DATE
EP 1471115	B1	20080709

English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION
 DATE OF AVAILABILITY: 20080709 printed-with-grant
 PATENT STATUS: GRANTED
 DESIGNATED STATES:
 R: DE FR GB
 APPLICATION INFO.: EP 2004-9421 A 20040421
 APPL. INFO. TYPE: EPA Patent application
 PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
 PRIO. APPL. INFO. TYPE: USA Patent application
 IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]
 IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]
 IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]
 IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
 EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
 FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
 20041027 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 PL PT RO SE SI SK TR
 20041027 EPAK + EXTENSION OF THE EUROPEAN PATENT TO
 AL HR LT LV MK
 20050622 EP17P + REQUEST FOR EXAMINATION FILED
 20050427
 20050720 EPAKX EXA Examination, Search Report
 + PAYMENT OF DESIGNATION FEES
 DE FR GB
 20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
 DE FR GB
 20080709 EPAK + DESIGNATED CONTRACTING STATES:
 EP B1
 DE FR GB
 200828.....20080710

 MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
 DOCUMENT NUMBER: 46140936
 TITLE: COLORANT COMPOSITION.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
 CLIFFORD R
 STANDARDIZED.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
 CLIFFORD R
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP
 STANDARDIZED.: XEROX CORP
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 2004323846	A	20041118
PATENT INFO. TYPE:	JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]		
DATE OF AVAILABILITY:	20041118 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	JP 2004-121232	A	20040416
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:			
MAIN:	C09B023-00 (not assigned by patent authority)		
SECONDARY:	C09B069-10; C09D011-00		
IPC RECLASSIF. (ADV):	C09B0023-00	[I, A];	C09B0069-00 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIF. (CORE):	C09B0023-00	[I, C*];	C09B0069-00 [I, C*];
	C09D0011-00	[I, C*]	
EPC CLASSIF. (ECLA):	C09B0069-00; C09D0011-00C4		
FIELD AVAILABILITY:	AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI		

MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 49146124
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING
CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 6790267	B1	20040914
PATENT INFO. TYPE:	USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20040914 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	US 2003-422897	A	20030424
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CITED PATENT REF.:	US 3653932	A	(APP, pat)
	US 3994835	A	(APP, pat)
	US 4132840	A	(APP, pat)
	US 4284729	A	(APP, pat)
	US 4390369	A	(APP, pat)
	US 4400320	A	(APP, pat)
	US 4484948	A	(APP, pat)
	US 4507407	A	(APP, pat)
	US 4594454	A	(APP, pat)
	US 4658064	A	(APP, pat)
	US 4684956	A	(APP, pat)
	US 4751254	A	(APP, pat)
	US 4846846	A	(APP, pat)
	US 4851045	A	(APP, pat)
	US 4889560	A	(APP, pat)
	US 4889761	A	(APP, pat)
	US 4912203	A	(APP, pat)
	US 5006170	A	(APP, pat)
	US 5043013	A	(APP, pat)
	US 5082938	A	(APP, pat)
	US 5108460	A	(APP, pat)
	US 5151120	A	(APP, pat)
	US 5221335	A	(APP, pat)
	US 5270363	A	(APP, pat)
	US 5290921	A	(APP, pat)
	US 5372852	A	(APP, pat)
	US 5456725	A	(APP, pat)
	US 5496879	A	(APP, pat)
	US 5591833	A	(APP, pat)
	US 5621022	A	(APP, pat)
	US 5864002	A	(APP, pat)
	US 5919839	A	(APP, pat)
	EP 187352	A	(APP, pat)
	EP 206286	A	(APP, pat)
	WO 9404619	A	(APP, pat)
	WO 9713816	A	(APP, pat)

CITED NON-PATENT LIT.: (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed

concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)CITED
REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES
(36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.
(2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(4) English abstract for DE 4205636AL. (APP)
(5) English abstract for DE 4205713AL. (APP)
(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IPC VERSION(1-7):

7

INT. PATENT CLASSIF.:

MAIN:

C09D011-02 (not assigned by patent authority)

SECONDARY:

C09D011-12; C09D011-14

IPC RECLASSIF. (ADV):

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

IPC RECLASSIF. (CORE):

C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]

NAT. PATENT CLASSIF.:

X106 3143; 106 3129; X106 3175; X106 3162; X106 3161;
X106 313; X347100

EPC CLASSIF. (ECLA):

C09B0069-00; C09D0011-00C4

ABSTRACT (ENGLISH):

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

ABSTRACT LANGUAGE:

English

ABSTRACT SOURCE:

national office

FIELD AVAILABILITY:

AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20030424 USAS

ASSIGNMENT

XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

CHG Change of Owner, Inventor, Applicant

20031031 USAS

ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

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

PATENT INFORMATION:
NUMBER KIND DATE
US 20040215022 A1 20041028
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
ONWARDS]
DATE OF AVAILABILITY: 20041028 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: US 2004-854581 A 20040525
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRIO. APPL. INFO. TYPE: USA Patent application
USA3 Prior application claimed for a division

IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07F009-02 (not assigned by patent authority)
SECONDARY: C07D213-54
IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]
IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
NAT. PATENT CLASSIF.: X54633; X558408; X56444; X564443; X55819; X564441;
546329

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

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

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

2 priorities, 5 applications, 6 publications

IMAX.M 表示形式

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: J. H. BANING; D. R. TIETLINTON; C. R. KING
STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, JP
PATENT INFORMATION:

NUMBER	KIND	DATE
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CN 1539894	A	20041027
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PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2004-10035105 A 20040423
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C09D017-00 (not assigned by patent authority)
SECONDARY: C09D011-00
IPC RECLASSIF. (ADV): C09B0023-00 [I,A]; C09B0069-00 [I,A];
C09B0069-10 [I,A]; C09D0011-00 [I,A]
IPC RECLASSIF. (CORE): C09B0023-00 [I,C*]; C09B0069-00 [I,C*];
C09D0011-00 [I,C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
IPCR; PA; PAS; PI; PIT; PRAI; TI

MEMBER 2

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
UP 20071004 UW 200740
DOCUMENT NUMBER: 24162311
TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TITLE LANGUAGE: German; English; French
INVENTOR(S):
NON-STANDARD.: BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:

NUMBER	KIND	DATE
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EP 1471115	A1	20041027 English
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PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

DATE OF AVAILABILITY: 20041027 examined-printed-without-grant
 PATENT STATUS: PRE-GRANT PUBLICATION
 DESIGNATED STATES:
 R: DE FR GB
 APPLICATION INFO.: EP 2004-9421 A 20040421
 APPL. INFO. TYPE: EPA Patent application
 PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
 PRIO. APPL. INFO. TYPE: USA Patent application
 CITED PATENT REF.: US 5043013 A (SEA, pat, Cat: AD)
 FR 2359881 A1 (SEA, pat, Cat: A)
 US 4132840 A (SEA, pat, Cat: AD)
 US 5621022 A (EXA, pat)CITED REFERENCE
 COUNT: 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0
 NON PATENT) AVAILABLE FOR THIS RECORD.

IPC VERSION(1-7): 7
 INT. PATENT CLASSIF.:
 MAIN: C09B069-00 (not assigned by patent authority)
 SECONDARY: C09D011-02
 IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]
 IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
 C09D0011-00 [I, C*]
 EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
 FIELD AVAILABILITY: AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI
 UPDATE CHANGES: CIT A

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

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

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

NUMBER	KIND	DATE
EP 1471115	B1	20080709

English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION
 DATE OF AVAILABILITY: 20080709 printed-with-grant
 PATENT STATUS: GRANTED
 DESIGNATED STATES:
 R: DE FR GB
 APPLICATION INFO.: EP 2004-9421 A 20040421
 APPL. INFO. TYPE: EPA Patent application
 PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
 PRIO. APPL. INFO. TYPE: USA Patent application
 IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]
 IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]
 IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
 C09D0011-00 [I, A]
 IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
 EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
 FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
 20041027 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 PL PT RO SE SI SK TR
 20041027 EPAK + EXTENSION OF THE EUROPEAN PATENT TO
 AL HR LT LV MK
 20050622 EP17P + REQUEST FOR EXAMINATION FILED
 20050427
 20050720 EPAKX EXA Examination, Search Report
 + PAYMENT OF DESIGNATION FEES
 DE FR GB
 20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
 DE FR GB
 20080709 EPAK + DESIGNATED CONTRACTING STATES:
 EP B1
 DE FR GB
 200828.....20080710

 MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
 DOCUMENT NUMBER: 46140936
 TITLE: COLORANT COMPOSITION.
 TITLE LANGUAGE: English
 INVENTOR(S):
 NON-STANDARD.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
 CLIFFORD R
 STANDARDIZED.: BANNING JEFFERY H; TITTERINGTON DONALD R; KING
 CLIFFORD R
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORP
 STANDARDIZED.: XEROX CORP
 PATENT INFORMATION:

NUMBER	KIND	DATE
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	JP 2004323846	A	20041118
PATENT INFO. TYPE:	JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]		
DATE OF AVAILABILITY:	20041118 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	JP 2004-121232	A	20040416
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:			
MAIN:	C09B023-00 (not assigned by patent authority)		
SECONDARY:	C09B069-10; C09D011-00		
IPC RECLASSIF. (ADV):	C09B0023-00	[I, A];	C09B0069-00 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIF. (CORE):	C09B0023-00	[I, C*];	C09B0069-00 [I, C*];
	C09D0011-00	[I, C*]	
EPC CLASSIF. (ECLA):	C09B0069-00; C09D0011-00C4		
FIELD AVAILABILITY:	AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI		

MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 49146124
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING
CLIFFORD R.
STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED: XEROX CORP, US
PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 6790267	B1	20040914
PATENT INFO. TYPE:	USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20040914 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO.:	US 2003-422897	A	20030424
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CITED PATENT REF.:	US 3653932	A	(APP, pat)
	US 3994835	A	(APP, pat)
	US 4132840	A	(APP, pat)
	US 4284729	A	(APP, pat)
	US 4390369	A	(APP, pat)
	US 4400320	A	(APP, pat)
	US 4484948	A	(APP, pat)
	US 4507407	A	(APP, pat)
	US 4594454	A	(APP, pat)
	US 4658064	A	(APP, pat)
	US 4684956	A	(APP, pat)
	US 4751254	A	(APP, pat)
	US 4846846	A	(APP, pat)
	US 4851045	A	(APP, pat)
	US 4889560	A	(APP, pat)
	US 4889761	A	(APP, pat)
	US 4912203	A	(APP, pat)
	US 5006170	A	(APP, pat)
	US 5043013	A	(APP, pat)
	US 5082938	A	(APP, pat)
	US 5108460	A	(APP, pat)
	US 5151120	A	(APP, pat)
	US 5221335	A	(APP, pat)
	US 5270363	A	(APP, pat)
	US 5290921	A	(APP, pat)
	US 5372852	A	(APP, pat)
	US 5456725	A	(APP, pat)
	US 5496879	A	(APP, pat)
	US 5591833	A	(APP, pat)
	US 5621022	A	(APP, pat)
	US 5864002	A	(APP, pat)
	US 5919839	A	(APP, pat)
	EP 187352	A	(APP, pat)
	EP 206286	A	(APP, pat)
	WO 9404619	A	(APP, pat)
	WO 9713816	A	(APP, pat)

CITED NON-PATENT LIT.: (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed

concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)CITED
REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES
(36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.
(2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(4) English abstract for DE 4205636AL. (APP)
(5) English abstract for DE 4205713AL. (APP)
(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IPC VERSION(1-7):

7

INT. PATENT CLASSIF.:

MAIN:

C09D011-02 (not assigned by patent authority)

SECONDARY:

C09D011-12; C09D011-14

IPC RECLASSIF. (ADV):

C09B0023-00 [I,A]; C09B0069-00 [I,A];

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

IPC RECLASSIF. (CORE):

C09B0023-00 [I,C*]; C09B0069-00 [I,C*];

C09D0011-00 [I,C*]

NAT. PATENT CLASSIF.:

X106 3143; 106 3129; X106 3175; X106 3162; X106 3161;

X106 313; X347100

EPC CLASSIF. (ECLA):

C09B0069-00; C09D0011-00C4

ABSTRACT (ENGLISH):

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

ABSTRACT LANGUAGE:

English

ABSTRACT SOURCE:

national office

FIELD AVAILABILITY:

AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;

IPCR; NCL; PA; PAS; PI; PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20030424 USAS

ASSIGNMENT

XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421

CHG Change of Owner, Inventor, Applicant

20031031 USAS

ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

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

	NUMBER	KIND	DATE
	US 20040215022	A1	20041028
PATENT INFO. TYPE:	USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20041028 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO.:	US 2004-854581	A	20040525
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO.:	US 2004-854581	A	20040525 (USA)
	US 2003-422897	A	20030424 (USA3)
PRIO. APPL. INFO. TYPE:	USA Patent application		
	USA3 Prior application claimed for a division		
IPC VERSION(1-7):	7		
INT. PATENT CLASSIF.:	MAIN: C07F009-02 (not assigned by patent authority)		
	SECONDARY: C07D213-54		
IPC RECLASSIF. (ADV):	C09B0023-00	[I, A];	C09B0069-00 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIF. (CORE):	C09B0023-00	[I, C*];	C09B0069-00 [I, C*];
	C09D0011-00	[I, C*]	
NAT. PATENT CLASSIF.:	X54633; X558408; X56444; X564443; X55819; X564441; 546329		
EPC CLASSIF. (ECLA):	C09B0069-00; C09D0011-00C4		

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

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

2 priorities, 5 applications, 6 publications

IMAX.P 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE:

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE	
EP 1471115	B1	20080709	English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]

IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]

IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20041027 EPAX + 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 PL PT RO SE SI SK TR

20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK

20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report

20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB

20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB

20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

IMAX.U 表示形式

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE:

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE	
EP 1471115	B1	20080709	English

PATENT INFO. TYPE: EPB1 PATENT SPECIFICATION

DATE OF AVAILABILITY: 20080709 printed-with-grant

PATENT STATUS: GRANTED

DESIGNATED STATES:
R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

IPC ORIGINAL (ADV): C09B0069-00 [I, A]; C09D0011-02 [I, A]

IPC ORIGINAL (CORE): C09B0069-00 [I, C*]; C09D0011-02 [I, C*]

IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]

IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

FIELD AVAILABILITY: AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1;
IPCR; LA; PA; PAS; PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20041027 EPAX + 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 PL PT RO SE SI SK TR

20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK

20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report

20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB

20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB

20080709 EPAX + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

2 priorities, 5 applications, 6 publications

IND 表示形式

AN 13532670 INPAFAMDB UPFB 20080710 UWF 200828
DN 18269152
ICM C09D017-00; C09B069-00; C09B023-00; C09D011-02; C07F009-02
ICS C09D011-00; C09D011-02; C09B069-10; C09D011-12; C09D011-14; C07D213-54
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]; C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
- X54633; X558408; X56444; X564443; X55819; X564441; 546329

IND.M 表示形式

MEMBER 1

AN 13532670 INPAFAMDB
DN 18269152
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740
DN 24162311
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828
DN 24162311
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

MEMBER 3

AN 13532670 INPAFAMDB
DN 46140936
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]

EPC C09B0069-00; C09D0011-00C4

MEMBER 4

AN 13532670 INPAFAMDB
DN 49146124
IC.V 7
ICM C09D011-02
ICS C09D011-12; C09D011-14
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100
EPC C09B0069-00; C09D0011-00C4

MEMBER 5

AN 13532670 INPAFAMDB
DN 49783991
IC.V 7
ICM C07F009-02
ICS C07D213-54
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

IND.P 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828
DN 24162311
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

IND.U 表示形式

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828
DN 24162311
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4

2 priorities, 5 applications, 6 publications

BIBLS 表示形式

MEMBER 1

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

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
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PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION

DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAK + EXTENSION OF THE EUROPEAN PATENT TO
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20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
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AN 13532670 INPAFAMDB Full-text
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TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

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AN 13532670 INPAFAMDB Full-text
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TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
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[FROM 2001 ONWARDS]

DAV 20040914 printed-with-grant
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AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
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XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR;REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421
20031031 USAS CHG Change of Owner, Inventor, Applicant
ASSIGNMENT
JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR;REEL/FRAME:015134/0476A
20030625
CHG Change of Owner, Inventor, Applicant

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

2 priorities, 5 applications, 6 publications

PILS 表示形式

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PI EP 1471115 A1 20041027
PI EP 1471115 B1 20080709

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

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20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
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EP B1
DE FR GB
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PI JP 2004323846 A 20041118

PI US 6790267 B1 20040914

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20030424 USAS ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
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SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625
CHG Change of Owner, Inventor, Applicant

PI US 20040215022 A1 20041028

2 priorities, 5 applications, 6 publications

FAMLS 表示形式

PATENT FAMILY INFORMATION

AN 37423298 INPAFAMDB

+----- Publications -----+		+----- Applications -----+	
CN 101323404	A 20081217	CN 2008-10131479	A 20080612
EP 2003079	A1 20081217	EP 2008-104364	A 20080611
FR 2917395	A1 20081219	FR 2007-55684	A 20070612
JP 2008308339	A 20081225	JP 2008-154114	A 20080612
US 20080307940	A1 20081218	US 2008-157388	A 20080610

+----- Priorities -----+	
FR 2007-55684	A 20070612

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20070612 FRA	PRI Patent application FR 2007-55684	A 20070612	20081218
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20080610 USA	APP Patent application US 2008-157388	A 20080610	20090102
20080611 EPA	APP Patent application EP 2008-104364	A 20080611	20081218
20080612 CNA	APP Patent application CN 2008-10131479	A 20080612	20090115
20080612 JPA	APP Patent application JP 2008-154114	A 20080612	20090129
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20081217 EPA1	PUB APPLICATION PUBLISHED WITH SEARCH REPORT [EP 2008-104364 A1 20080611] EP 2003079 A1 20081217		20081218
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20081217 EPAX	+ EXTENSION OF THE EUROPEAN PATENT TO [EP 2008-104364 A 20080611] AL BA MK RS		20081218
20081218 USA1	PUB FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS] [US 2008-157388 A1 20080610] US 20080307940 A1 20081218		20090102
20081219 FRA1	PUB APPLICATION FOR PATENT OF INVENTION, (FIRST PUBL.) [FROM 2, 000, 000] [FR 2007-55684 A1 20070612] FR 2917395 A1 20081219		20081229
20081225 JPA	PUB DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS] [JP 2008-154114 A 20080612] JP 2008308339 A 20081225		20090129

1 priority, 5 applications, 5 publications

CFAM 表示形式

PATENT FAMILY INFORMATION

AN 24159834 INPADOCDB

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|-----PI-----+
CN 1550199      A  20041201
EP 1468638      A2 20041020
EP 1468638      A3 20070829
US 20040205915  A1 20041021
US 6912753      B2 20050705
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2 priorities, 3 applications, 5 publications

CFAM2 表示形式

PATENT FAMILY INFORMATION

AN 18276957 INPADOCDB

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+----- Publications -----+      +----- Applications -----+
CN 1550199      A  20041201      CN 2004-10035181      A  20040414
EP 1468638      A2 20041020      EP 2004-8854          A  20040414
EP 1468638      A3 20070829
US 20040205915  A1 20041021      US 2003-728093       A  20031205
US 6912753      B2 20050705
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US 2003-463324P  P  20030417
US 2003-728093  A  20031205
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2 priorities, 3 applications, 5 publications

DFAM 表示形式

PATENT FAMILY INFORMATION

AN 24159834 INPADOCDB

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US 2003-463324P  P  20030417;CN 2004-10035181      A  20040414;CN 1550199      A  20041201;|
US 2003-463324P  P  20030417;EP 2004-8854          A  20040414;EP 1468638      A2 20041020;|
US 2003-463324P  P  20030417;EP 2004-8854          A  20040414;EP 1468638      A3 20070829;|
US 2003-463324P  P  20030417;US 2003-728093      A  20031205;US 20040205915  A1 20041021;|
US 2003-463324P  P  20030417;US 2003-728093      A  20031205;US 6912753      B2 20050705;|
US 2003-728093  A  20031205;US 2003-728093      A  20031205;US 20040205915  A1 20041021;|
US 2003-728093  A  20031205;US 2003-728093      A  20031205;US 6912753      B2 20050705;|
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2 priorities, 3 applications, 5 publications

EFAM 表示形式

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PRIORITY 1 : US 2003-463324P P 20030417

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CN 2004-10035181	A 20040414	CN 1550199	A 20041201
EP 2004-8854	A 20040414	EP 1468638	A2 20041020
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US 2003-728093	A 20031205	US 20040205915	A1 20041021
		US 6912753	B2 20050705

PRIORITY 2 : US 2003-728093 A 20031205

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US 2003-728093	A 20031205	US 20040205915	A1 20041021
		US 6912753	B2 20050705

2 priorities, 3 applications, 5 publications

FAM 表示形式

PATENT FAMILY INFORMATION
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		EP 2004-8854	A 20040414
		US 2003-728093	A 20031205
US 2003-728093	A 20031205	US 2003-728093	A 20031205

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EP 2004-8854	A 20040414	EP 1468638	A2 20041020
		EP 1468638	A3 20070829
US 2003-728093	A 20031205	US 20040205915	A1 20041021
		US 6912753	B2 20050705

2 priorities, 3 applications, 5 publications

FAM2 表示形式

PATENT FAMILY INFORMATION
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US 2003-463324P	P 20030417	CN 1550199	A 20041201
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		EP 1468638	A3 20070829
		US 20040205915	A1 20041021
		US 6912753	B2 20050705
US 2003-728093	A 20031205	US 20040205915	A1 20041021
		US 6912753	B2 20050705

+-----AI-----+		+-----PI-----+	
CN 2004-10035181	A 20040414	CN 1550199	A 20041201
EP 2004-8854	A 20040414	EP 1468638	A2 20041020
		EP 1468638	A3 20070829
US 2003-728093	A 20031205	US 20040205915	A1 20041021
		US 6912753	B2 20050705

2 priorities, 3 applications, 5 publications

SFAM 表示形式

PATENT FAMILY INFORMATION

AN 18276957 INPADOCDB

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EPO simple family (SFN): 32908754
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+----- Publications -----+		+----- Applications -----+	
CN 1550199	A 20041201	CN 2004-10035181	A 20040414
EP 1468638	A2 20041020	EP 2004-8854	A 20040414
EP 1468638	A3 20070829		

+----- Priorities -----+ +-----+
US 2003-463324P P 20030417 (USP, 20070830, Y)

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EPO simple family (SFN): 33162315
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+----- Publications -----+		+----- Applications -----+	
US 20040205915	A1 20041021	US 2003-728093	A 20031205
US 6912753	B2 20050705		

+----- Priorities -----+ +-----+
US 2003-728093 A 20031205 (USA, Y)
US 2003-463324P P 20030417 (USP, 20070830, Y)

2 priorities, 3 applications, 5 publications

FFAM 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
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FA ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];

C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
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PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
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AI EP 2004-9421 A 20040421
AIT EPA Patent application
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PRAIT USA Patent application
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C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
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PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
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20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
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20080709 EPAK + DESIGNATED CONTRACTING STATES:
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MEMBER 3

AN 13532670 INPAFAMDB Full-text
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TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R

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PA XEROX CORP
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PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
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AIT JPA Patent application
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PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
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C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
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PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
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TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
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PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
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PRAIT USA Patent application
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ICM C09D011-02
ICS C09D011-12; C09D011-14
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
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PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
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XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
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20031031 USAS CHG Change of Owner, Inventor, Applicant
ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
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/AR: REEL/FRAME: 015134/0476A
20030625
CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text
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TI Colorant compositions.
TL English
IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.
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PAS XEROX CORP, US
DT Patent
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PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]
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AIT USA Patent application
PRAI US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRAIT USA Patent application
USA3 Prior application claimed for a division
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ICM C07F009-02
ICS C07D213-54
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
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C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329
EPC C09B0069-00; C09D0011-00C4
FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

FAM.pc 表示形式 (FFAM.EP)

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AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
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TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
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PAS XEROX CORP, US
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PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD. ALL CITATIONS ARE AVAILABLE IN THE PIRE FORMAT.
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H. ; TITTERINGTON, DONALD R. ; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]

C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

IFAM 表示形式

TITLE: Methine dyes with a polyoxyalkylene moiety and inks containing them.

PATENT FAMILY INFORMATION

AN 13532670 INPAFAMDB

+----- PUBLICATIONS -----+		+----- APPLICATIONS -----+	
CN 1539894	A 20041027	CN 2004-10035105	A 20040423
EP 1471115	A1 20041027	EP 2004-9421	A 20040421
EP 1471115	B1 20080709		
JP 2004323846	A 20041118	JP 2004-121232	A 20040416
US 6790267	B1 20040914	US 2003-422897	A 20030424
US 20040215022	A1 20041028	US 2004-854581	A 20040525

+----- PRIORITIES -----+	
US 2003-422897	A 20030424
US 2004-854581	A 20040525

+-----	
CHINA (CN)	
+-----	

MEMBER 1

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 18269152
TITLE: Toner compound and ink compsns.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: J. H. BANING; D. R. TIETLINTON; C. R. KING
STANDARDIZED: BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORP.
STANDARDIZED: XEROX CORP, JP
PATENT INFORMATION:
NUMBER KIND DATE

CN 1539894 A 20041027
PATENT INFO. TYPE: CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DATE OF AVAILABILITY: 20041027 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: CN 2004-10035105 A 20040423
APPL. INFO. TYPE: CNA Patent application
PRIORITY APPL. INFO.: US 2003-422897 A 20030424 (USA)
PRIO. APPL. INFO. TYPE: USA Patent application
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
 MAIN: C09D017-00 (not assigned by patent authority)
 SECONDARY: C09D011-00
IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]
IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
 C09D0011-00 [I, C*]
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4
FIELD AVAILABILITY: ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC;
 IPCR; PA; PAS; PI; PIT; PRAI; TI

 MEMBER 2

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
 UP 20071004 UW 200740

DOCUMENT NUMBER: 24162311

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

TITLE LANGUAGE: German; English; French

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

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

PATENT INFORMATION:

NUMBER	KIND	DATE
EP 1471115	A1	20041027 English

PATENT INFO. TYPE: EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT

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

PATENT STATUS: PRE-GRANT PUBLICATION

DESIGNATED STATES:
 R: DE FR GB

APPLICATION INFO.: EP 2004-9421 A 20040421

APPL. INFO. TYPE: EPA Patent application

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

PRIO. APPL. INFO. TYPE: USA Patent application

CITED PATENT REF.: US 5043013 A (SEA, pat, Cat: AD)
 FR 2359881 A1 (SEA, pat, Cat: A)
 US 4132840 A (SEA, pat, Cat: AD)
 US 5621022 A (EXA, pat)CITED REFERENCE

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

IPC VERSION(1-7): 7

INT. PATENT CLASSIF.:
 MAIN: C09B069-00 (not assigned by patent authority)
 SECONDARY: C09D011-02

IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
 C09B0069-10 [I, A]; C09D0011-00 [I, A]

IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
 C09D0011-00 [I, C*]

EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

FIELD AVAILABILITY: A1; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC;
 IPCR; LA; PA; PAS; PI; PIT; PRAI; REP; TI

UPDATE CHANGES: CIT A

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
 ED 20080710 EW 200828 UP 20080710 UW 200828

DOCUMENT NUMBER: 24162311

TITLE: Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
 Methine dyes with a polyoxyalkylene moiety and inks containing them.
 Colorants methines substitués par un groupe

polyoxyalkylene et encre les contenant.
 TITLE LANGUAGE: German; English; French
 INVENTOR(S):
 NON-STANDARD.: BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING,
 CLIFFORD R.
 STANDARDIZED: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
 CLIFFORD R, US
 PATENT ASSIGNEE(S):
 NON-STANDARD.: XEROX CORPORATION
 STANDARDIZED: XEROX CORP, US
 PATENT INFORMATION:

	NUMBER	KIND	DATE
	EP 1471115	B1	20080709 English
PATENT INFO. TYPE:	EPB1 PATENT SPECIFICATION		
DATE OF AVAILABILITY:	20080709 printed-with-grant		
PATENT STATUS:	GRANTED		
DESIGNATED STATES:	R: DE FR GB		
APPLICATION INFO.:	EP 2004-9421	A	20040421
APPL. INFO. TYPE:	EPA Patent application		
PRIORITY APPL. INFO.:	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
IPC ORIGINAL (ADV):	C09B0069-00	[I, A];	C09D0011-02 [I, A]
IPC ORIGINAL (CORE):	C09B0069-00	[I, C*];	C09D0011-02 [I, C*]
IPC RECLASSIF. (ADV):	C09B0023-00	[I, A];	C09B0069-10 [I, A];
	C09D0011-00	[I, A]	
IPC RECLASSIF. (CORE):	C09B0023-00	[I, C*];	C09D0011-00 [I, C*]
EPC CLASSIF. (ECLA):	C09B0069-00; C09D0011-00C4		
FIELD AVAILABILITY:	A1; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS; PI; PIT; PRAI; TI		

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
 20041027 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 PL PT RO SE SI SK TR
 20041027 EPAK + EXTENSION OF THE EUROPEAN PATENT TO
 AL HR LT LV MK
 20050622 EP17P + REQUEST FOR EXAMINATION FILED
 20050427
 EXA Examination, Search Report
 20050720 EPAKX + PAYMENT OF DESIGNATION FEES
 DE FR GB
 20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
 DE FR GB
 20080709 EPAK + DESIGNATED CONTRACTING STATES:
 EP B1
 DE FR GB
 200828..... 20080710

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 | JAPAN (JP) |
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MEMBER 3

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
 DOCUMENT NUMBER: 46140936
 TITLE: COLORANT COMPOSITION.
 TITLE LANGUAGE: English
 INVENTOR(S):

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

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

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

PATENT INFORMATION:

	NUMBER	KIND	DATE
	JP 2004323846	A	20041118
PATENT INFO. TYPE:	JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]		
DATE OF AVAILABILITY:	20041118 unexamined-printed-without-grant		
PATENT STATUS:	PRE-GRANT PUBLICATION		
APPLICATION INFO. :	JP 2004-121232	A	20040416
APPL. INFO. TYPE:	JPA Patent application		
PRIORITY APPL. INFO. :	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
IPC VERSION(1-7) :	7		
INT. PATENT CLASSIF. :			
MAIN:	C09B023-00 (not assigned by patent authority)		
SECONDARY:	C09B069-10; C09D011-00		
IPC RECLASSIF. (ADV) :	C09B0023-00	[I, A];	C09B0069-00 [I, A];
	C09B0069-10	[I, A];	C09D0011-00 [I, A]
IPC RECLASSIF. (CORE) :	C09B0023-00	[I, C*];	C09B0069-00 [I, C*];
	C09D0011-00	[I, C*]	
EPC CLASSIF. (ECLA) :	C09B0069-00; C09D0011-00C4		
FIELD AVAILABILITY:	AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT; PRAI; TI		

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 | UNITED STATES OF AMERICA (US) |
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 MEMBER 4

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text

DOCUMENT NUMBER: 49146124

TITLE: Colorant compositions.

TITLE LANGUAGE: English

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

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

PATENT INFORMATION:

	NUMBER	KIND	DATE
	US 6790267	B1	20040914
PATENT INFO. TYPE:	USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION [FROM 2001 ONWARDS]		
DATE OF AVAILABILITY:	20040914 printed-with-grant		
PATENT STATUS:	GRANTED		
APPLICATION INFO. :	US 2003-422897	A	20030424
APPL. INFO. TYPE:	USA Patent application		
PRIORITY APPL. INFO. :	US 2003-422897	A	20030424 (USA)
PRIO. APPL. INFO. TYPE:	USA Patent application		
CITED PATENT REF. :	US 3653932	A	(APP, pat)
	US 3994835	A	(APP, pat)

US 4132840 A (APP, pat)
 US 4284729 A (APP, pat)
 US 4390369 A (APP, pat)
 US 4400320 A (APP, pat)
 US 4484948 A (APP, pat)
 US 4507407 A (APP, pat)
 US 4594454 A (APP, pat)
 US 4658064 A (APP, pat)
 US 4684956 A (APP, pat)
 US 4751254 A (APP, pat)
 US 4846846 A (APP, pat)
 US 4851045 A (APP, pat)
 US 4889560 A (APP, pat)
 US 4889761 A (APP, pat)
 US 4912203 A (APP, pat)
 US 5006170 A (APP, pat)
 US 5043013 A (APP, pat)
 US 5082938 A (APP, pat)
 US 5108460 A (APP, pat)
 US 5151120 A (APP, pat)
 US 5221335 A (APP, pat)
 US 5270363 A (APP, pat)
 US 5290921 A (APP, pat)
 US 5372852 A (APP, pat)
 US 5456725 A (APP, pat)
 US 5496879 A (APP, pat)
 US 5591833 A (APP, pat)
 US 5621022 A (APP, pat)
 US 5864002 A (APP, pat)
 US 5919839 A (APP, pat)
 EP 187352 A (APP, pat)
 EP 206286 A (APP, pat)
 WO 9404619 A (APP, pat)
 WO 9713816 A (APP, pat)

CITED NON-PATENT LIT. : (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)CITED
 REFERENCE COUNT: 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.
 (2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
 (4) English abstract for DE 4205636AL. (APP)
 (5) English abstract for DE 4205713AL. (APP)
 (6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IPC VERSION(1-7) : 7

INT. PATENT CLASSIF. :

MAIN: C09D011-02 (not assigned by patent authority)

SECONDARY: C09D011-12; C09D011-14

IPC RECLASSIF. (ADV) : C09B0023-00 [I, A]; C09B0069-00 [I, A];

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

IPC RECLASSIF. (CORE) : C09B0023-00 [I, C*]; C09B0069-00 [I, C*];

C09D0011-00 [I, C*]

NAT. PATENT CLASSIF. : X106 3143; 106 3129; X106 3175; X106 3162; X106 3161;

X106 313; X347100

EPC CLASSIF. (ECLA) : C09B0069-00; C09D0011-00C4

ABSTRACT (ENGLISH) : Disclosed are colorant compounds of the formulawherein R is an alkyl group, an aryl group, an arylalkyl group, or an alkylaryl group, and wherein R can be joined to the phenyl

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

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

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20030424 USAS ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P.O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421
CHG Change of Owner, Inventor, Applicant
20031031 USAS ASSIGNMENT
JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
/AR:REEL/FRAME:015134/0476A
20030625
CHG Change of Owner, Inventor, Applicant

MEMBER 5

ACCESSION NUMBER: 13532670 INPAFAMDB Full-text
DOCUMENT NUMBER: 49783991
TITLE: Colorant compositions.
TITLE LANGUAGE: English
INVENTOR(S):
NON-STANDARD.: BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING
CLIFFORD R.
STANDARDIZED.: BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING
CLIFFORD R, US
PATENT ASSIGNEE(S):
NON-STANDARD.: XEROX CORPORATION
STANDARDIZED.: XEROX CORP, US
PATENT INFORMATION:
NUMBER KIND DATE
US 20040215022 A1 20041028
PATENT INFO. TYPE: USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001
ONWARDS]
DATE OF AVAILABILITY: 20041028 unexamined-printed-without-grant
PATENT STATUS: PRE-GRANT PUBLICATION
APPLICATION INFO.: US 2004-854581 A 20040525
APPL. INFO. TYPE: USA Patent application
PRIORITY APPL. INFO.: US 2004-854581 A 20040525 (USA)
US 2003-422897 A 20030424 (USA3)
PRIO. APPL. INFO. TYPE: USA Patent application
USA3 Prior application claimed for a division
IPC VERSION(1-7): 7
INT. PATENT CLASSIF.:
MAIN: C07F009-02 (not assigned by patent authority)

SECONDARY: C07D213-54
IPC RECLASSIF. (ADV): C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]
IPC RECLASSIF. (CORE): C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]
NAT. PATENT CLASSIF.: X54633; X558408; X56444; X564443; X55819; X564441;
546329
EPC CLASSIF. (ECLA): C09B0069-00; C09D0011-00C4

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

ABSTRACT LANGUAGE: English

ABSTRACT SOURCE: national office

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

2 priorities, 5 applications, 6 publications

LFAM 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
PI CN 1539894 A 20041027

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
PI EP 1471115 A1 20041027

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
PI EP 1471115 B1 20080709

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR

20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK

20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427

20050720 EPAKX EXA Examination, Search Report
+ PAYMENT OF DESIGNATION FEES
DE FR GB

20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB

20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
PI JP 2004323846 A 20041118

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
PI US 6790267 B1 20040914

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20030424 USAS ASSIGNMENT
XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
JEFFERY H. /AR;REEL/FRAME:014010/0693;SIGNING DATES FROM
20030418 TO 20030421
CHG Change of Owner, Inventor, Applicant

20031031 USAS

ASSIGNMENT
JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
SECURITY AGREEMENT:ASSIGNOR:XEROX CORPORATION
/AR;REEL/FRAME:015134/0476A
20030625
CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text
DN 49783991
PI US 20040215022 A1 20041028

2 priorities, 5 applications, 6 publications

MFAM 表示形式

MEMBER 1

AN 13532670 INPAFAMDB Full-text
DN 18269152
TI Toner compound and ink compsns.
TL English
IN J.H. BANING; D.R. TIETLINTON; C.R. KING
INS BANING J H, JP; TIETLINTON D R, JP; KING C R, JP
PA XEROX CORP.
PAS XEROX CORP, JP
DT Patent
PI CN 1539894 A 20041027
PIT CNA UNEXAMINED APPLICATION FOR A PATENT FOR INV.
DAV 20041027 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI CN 2004-10035105 A 20040423
AIT CNA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09D017-00
ICS C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA ABOR; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI;
PIT; PRAI; TI

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7

ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311

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

TL German; English; French
IN BANNING, JEFFERY H.; TITTERINGTON, DONALD R.; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IPCI C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPCI; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
20041027 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

MEMBER 3

AN 13532670 INPAFAMDB Full-text
DN 46140936
TI COLORANT COMPOSITION.
TL English
IN BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
INS BANNING JEFFERY H; TITTERINGTON DONALD R; KING CLIFFORD R
PA XEROX CORP
PAS XEROX CORP
DT Patent
PI JP 2004323846 A 20041118
PIT JPA DOC. LAID OPEN TO PUBL. INSPEC. [PUBLISHED FROM 1971 ONWARDS]
DAV 20041118 unexamined-printed-without-grant
STA PRE-GRANT PUBLICATION
AI JP 2004-121232 A 20040416
AIT JPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
IC.V 7
ICM C09B023-00
ICS C09B069-10; C09D011-00
IPCR C09B0023-00 [I,A]; C09B0069-00 [I,A]; C09B0069-10 [I,A];
C09D0011-00 [I,A]
C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; PA; PAS; PI; PIT;
PRAI; TI

MEMBER 4

AN 13532670 INPAFAMDB Full-text
DN 49146124
TI Colorant compositions.
TL English
IN BANNING JEFFERY H.; TITTERINGTON DONALD R.; KING CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI US 6790267 B1 20040914
PIT USB1 REEXAM. CERTIF., N-ND REEXAM. or GRANTED PATENT AS FIRST PUBLICATION
[FROM 2001 ONWARDS]
DAV 20040914 printed-with-grant
STA GRANTED
AI US 2003-422897 A 20030424
AIT USA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)

US 4751254 A (APP, pat)
US 4846846 A (APP, pat)
US 4851045 A (APP, pat)
US 4889560 A (APP, pat)
US 4889761 A (APP, pat)
US 4912203 A (APP, pat)
US 5006170 A (APP, pat)
US 5043013 A (APP, pat)
US 5082938 A (APP, pat)
US 5108460 A (APP, pat)
US 5151120 A (APP, pat)
US 5221335 A (APP, pat)
US 5270363 A (APP, pat)
US 5290921 A (APP, pat)
US 5372852 A (APP, pat)
US 5456725 A (APP, pat)
US 5496879 A (APP, pat)
US 5591833 A (APP, pat)
US 5621022 A (APP, pat)
US 5864002 A (APP, pat)
US 5919839 A (APP, pat)
EP 187352 A (APP, pat)
EP 206286 A (APP, pat)
WO 9404619 A (APP, pat)
WO 9713816 A (APP, pat)

REN (1) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(2) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(3) Copending application U.S. Ser. Number (not yet assigned; Attorney Docket Number D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
(4) English abstract for DE 4205636AL. (APP)
(5) English abstract for DE 4205713AL. (APP)
(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, volume 68, Number 7, p. 1423 (1996). (APP)

IC.V 7

ICM C09D011-02

ICS C09D011-12; C09D011-14

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

NCL X106 3143; 106 3129; X106 3175; X106 3162; X106 3161; X106 313; X347100

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;
PIT; PRAI; REN; REP; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text
 20030424 USAS

ASSIGNMENT
 XEROX CORPORATION 800 LONG RIDGE ROAD P. O. BOX 160
 ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNORS:BANNING,
 JEFFERY H. /AR:REEL/FRAME:014010/0693;SIGNING DATES FROM
 20030418 TO 20030421

20031031 USAS CHG Change of Owner, Inventor, Applicant
 ASSIGNMENT

JPMORGAN CHASE BANK, AS COLLATERAL AGENT LIEN PERF
 SECURITY AGREEMENT;ASSIGNOR:XEROX CORPORATION
 /AR:REEL/FRAME:015134/0476A
 20030625

CHG Change of Owner, Inventor, Applicant

MEMBER 5

AN 13532670 INPAFAMDB Full-text

DN 49783991

TI Colorant compositions.

TL English

IN BANNING JEFFERY H. ; TITTERINGTON DONALD R. ; KING CLIFFORD R.

INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US

PA XEROX CORPORATION

PAS XEROX CORP, US

DT Patent

PI US 20040215022 A1 20041028

PIT USA1 FIRST PUBLISHED PATENT APPLICATION [FROM 2001 ONWARDS]

DAV 20041028 unexamined-printed-without-grant

STA PRE-GRANT PUBLICATION

AI US 2004-854581 A 20040525

AIT USA Patent application

PRAI US 2004-854581 A 20040525 (USA)

US 2003-422897 A 20030424 (USA3)

PRAIT USA Patent application

USA3 Prior application claimed for a division

IC.V 7

ICM C07F009-02

ICS C07D213-54

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

C09D0011-00 [I,A]

C09B0023-00 [I,C*]; C09B0069-00 [I,C*]; C09D0011-00 [I,C*]

NCL X54633; X558408; X56444; X564443; X55819; X564441; 546329

EPC C09B0069-00; C09D0011-00C4

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

AL English

AS national office

FA AB; AI; AN; DAV; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; NCL; PA; PAS; PI;

PIT; PRAI; TI

2 priorities, 5 applications, 6 publications

MFAM.pc 表示形式 (MFAM.EP)

MEMBER 2

AN 13532670 INPAFAMDB UP 20071004 UW 200740 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H. ; TITTERINGTON, DONALD R. ; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 A1 20041027 English
PIT EPA1 APPLICATION PUBLISHED WITH SEARCH REPORT
DAV 20041027 examined-printed-without-grant
STA PRE-GRANT PUBLICATION
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)
PRAIT USA Patent application
REC 4. THERE ARE 4 CITED REFERENCES (4 PATENT, 0 NON PATENT) AVAILABLE FOR
THIS RECORD.
REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)
IC.V 7
ICM C09B069-00
ICS C09D011-02
IPCR C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; EPC; ICM; ICS; IN; INS; IPC; IPCR; LA; PA; PAS; PI;
PIT; PRAI; REP; TI
CHG CIT A

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828 Full-text
DN 24162311
TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende
Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les
contenant.
TL German; English; French
IN BANNING, JEFFERY H. ; TITTERINGTON, DONALD R. ; KING, CLIFFORD R.
INS BANNING JEFFERY H, US; TITTERINGTON DONALD R, US; KING CLIFFORD R, US
PA XEROX CORPORATION
PAS XEROX CORP, US
DT Patent
PI EP 1471115 B1 20080709 English
PIT EPB1 PATENT SPECIFICATION
DAV 20080709 printed-with-grant
STA GRANTED
DS R: DE FR GB
AI EP 2004-9421 A 20040421
AIT EPA Patent application
PRAI US 2003-422897 A 20030424 (USA)

PRAIT USA Patent application

IPC1 C09B0069-00 [I, A]; C09D0011-02 [I, A]; C09B0069-00 [I, C*];
C09D0011-02 [I, C*]
IPCR C09B0023-00 [I, A]; C09B0069-10 [I, A]; C09D0011-00 [I, A]
C09B0023-00 [I, C*]; C09D0011-00 [I, C*]
EPC C09B0069-00; C09D0011-00C4
FA AI; AN; DAV; DS; DT; ED; EPC; EW; IN; INS; IPC; IPC1; IPCR; LA; PA; PAS;
PI; PIT; PRAI; TI

LEGAL STATUS

AN 13532670 INPAFAMDB Full-text

20041027 EPAX + 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 PL PT RO SE SI SK TR
20041027 EPAX + EXTENSION OF THE EUROPEAN PATENT TO
AL HR LT LV MK
20050622 EP17P + REQUEST FOR EXAMINATION FILED
20050427
EXA Examination, Search Report
20050720 EPAKX + PAYMENT OF DESIGNATION FEES
DE FR GB
20050824 EPRBV + DESIGNATED CONTRACTING STATES (CORRECTION):
DE FR GB
20080709 EPAK + DESIGNATED CONTRACTING STATES:
EP B1
DE FR GB
200828.....20080710

PATS 表示形式

PI	CN	1539894	A	20041027
PI	EP	1471115	A1	20041027
REP	US	5043013	A	(SEA, pat, Cat: AD)
	FR	2359881	A1	(SEA, pat, Cat: A)
	US	4132840	A	(SEA, pat, Cat: AD)
	US	5621022	A	(EXA, pat)
PI	EP	1471115	B1	20080709
PI	JP	2004323846	A	20041118
PI	US	6790267	B1	20040914
REP	US	3653932	A	(APP, pat)
	US	3994835	A	(APP, pat)
	US	4132840	A	(APP, pat)
	US	4284729	A	(APP, pat)
	US	4390369	A	(APP, pat)
	US	4400320	A	(APP, pat)
	US	4484948	A	(APP, pat)
	US	4507407	A	(APP, pat)
	US	4594454	A	(APP, pat)
	US	4658064	A	(APP, pat)
	US	4684956	A	(APP, pat)
	US	4751254	A	(APP, pat)
	US	4846846	A	(APP, pat)
	US	4851045	A	(APP, pat)
	US	4889560	A	(APP, pat)
	US	4889761	A	(APP, pat)
	US	4912203	A	(APP, pat)
	US	5006170	A	(APP, pat)
	US	5043013	A	(APP, pat)
	US	5082938	A	(APP, pat)
	US	5108460	A	(APP, pat)
	US	5151120	A	(APP, pat)
	US	5221335	A	(APP, pat)
	US	5270363	A	(APP, pat)
	US	5290921	A	(APP, pat)
	US	5372852	A	(APP, pat)
	US	5456725	A	(APP, pat)
	US	5496879	A	(APP, pat)
	US	5591833	A	(APP, pat)
	US	5621022	A	(APP, pat)
	US	5864002	A	(APP, pat)
	US	5919839	A	(APP, pat)
	EP	187352	A	(APP, pat)
	EP	206286	A	(APP, pat)
	WO	9404619	A	(APP, pat)
	WO	9713816	A	(APP, pat)
PI	US	20040215022	A1	20041028

PI.PDF 表示形式

- PI BR 9601539 A 20040629
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=BR&NR=9601539&KC=A>
- PI DE 19713126 A1 19971030
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=DE&NR=19713126&KC=A1>
- PI FR 2747454 A1 19971017
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=FR&NR=2747454&KC=A1>
- PI FR 2747454 B1 20000114
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=FR&NR=2747454&KC=B1>
- PI JP 10038169 A 19980213
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=JP&NR=10038169&KC=A>
- PI JP 3922313B B2 20070530
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=JP&NR=3922313B2&KC=B2>
- PI US 5855398 A 19990105
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=US&NR=5855398&KC=A>

PI.PDF.B 表示形式

- PI FR 2747454 A1 19971017
URL:<http://v3.espacenet.com/publicationDetails/originalDocument?CC=FR&NR=2747454&KC=A1>

1 priority, 5 applications, 7 publications

TIPI 表示形式

TI Toner compound and ink compsns.
PI CN 1539894 A 20041027

TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
PI EP 1471115 A1 20041027

TI Methinfarbstoffe mit einem Polyoxyalkylenrest sowie diese enthaltende Tinte.
Methine dyes with a polyoxyalkylene moiety and inks containing them.
Colorants methines substitués par un groupe polyoxyalkylene et encre les contenant.
PI EP 1471115 B1 20080709

TI COLORANT COMPOSITION.
PI JP 2004323846 A 20041118

TI Colorant compositions.
PI US 6790267 B1 20040914

TI Colorant compositions.
PI US 20040215022 A1 20041028

2 priorities, 5 applications, 6 publications

PIRE 表示形式

PI CN 1539894 A 20041027

PI EP 1471115 A1 20041027

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

REP US 5043013 A (SEA, pat, Cat: AD)
FR 2359881 A1 (SEA, pat, Cat: A)
US 4132840 A (SEA, pat, Cat: AD)
US 5621022 A (EXA, pat)

PI EP 1471115 B1 20080709

PI JP 2004323846 A 20041118

PI US 6790267 B1 20040914

REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.

REP US 3653932 A (APP, pat)
US 3994835 A (APP, pat)
US 4132840 A (APP, pat)
US 4284729 A (APP, pat)
US 4390369 A (APP, pat)
US 4400320 A (APP, pat)
US 4484948 A (APP, pat)
US 4507407 A (APP, pat)
US 4594454 A (APP, pat)
US 4658064 A (APP, pat)
US 4684956 A (APP, pat)
US 4751254 A (APP, pat)
US 4846846 A (APP, pat)
US 4851045 A (APP, pat)
US 4889560 A (APP, pat)

US 4889761	A (APP, pat)
US 4912203	A (APP, pat)
US 5006170	A (APP, pat)
US 5043013	A (APP, pat)
US 5082938	A (APP, pat)
US 5108460	A (APP, pat)
US 5151120	A (APP, pat)
US 5221335	A (APP, pat)
US 5270363	A (APP, pat)
US 5290921	A (APP, pat)
US 5372852	A (APP, pat)
US 5456725	A (APP, pat)
US 5496879	A (APP, pat)
US 5591833	A (APP, pat)
US 5621022	A (APP, pat)
US 5864002	A (APP, pat)
US 5919839	A (APP, pat)
EP 187352	A (APP, pat)
EP 206286	A (APP, pat)
WO 9404619	A (APP, pat)
WO 9713816	A (APP, pat)

REN (1) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)

(2) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)

(3) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A0413), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)

(4) English abstract for DE 4205636AL. (APP)

(5) English abstract for DE 4205713AL. (APP)

(6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, vol. 68, No. 7, p. 1423 (1996). (APP)

PI US 20040215022 A1 20041028

2 priorities, 5 applications, 6 publications

RE 表示形式

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

REP US 5043013	A (SEA, pat, Cat: AD)
FR 2359881	A1 (SEA, pat, Cat: A)
US 4132840	A (SEA, pat, Cat: AD)
US 5621022	A (EXA, pat)

REC 42. THERE ARE 42 CITED REFERENCES (36 PATENT, 6 NON PATENT) AVAILABLE FOR THIS RECORD.

REP US 3653932	A (APP, pat)
US 3994835	A (APP, pat)
US 4132840	A (APP, pat)
US 4284729	A (APP, pat)
US 4390369	A (APP, pat)
US 4400320	A (APP, pat)
US 4484948	A (APP, pat)
US 4507407	A (APP, pat)
US 4594454	A (APP, pat)
US 4658064	A (APP, pat)
US 4684956	A (APP, pat)
US 4751254	A (APP, pat)
US 4846846	A (APP, pat)
US 4851045	A (APP, pat)
US 4889560	A (APP, pat)
US 4889761	A (APP, pat)

US 4912203 A (APP, pat)
US 5006170 A (APP, pat)
US 5043013 A (APP, pat)
US 5082938 A (APP, pat)
US 5108460 A (APP, pat)
US 5151120 A (APP, pat)
US 5221335 A (APP, pat)
US 5270363 A (APP, pat)
US 5290921 A (APP, pat)
US 5372852 A (APP, pat)
US 5456725 A (APP, pat)
US 5496879 A (APP, pat)
US 5591833 A (APP, pat)
US 5621022 A (APP, pat)
US 5864002 A (APP, pat)
US 5919839 A (APP, pat)
EP 187352 A (APP, pat)
EP 206286 A (APP, pat)
WO 9404619 A (APP, pat)
WO 9713816 A (APP, pat)

- REN (1) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A04-12Q), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
- (2) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A0412Q1), filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
- (3) Copending application U.S. Ser. No. (not yet assigned; Attorney Docket No. D/A0413) , filed concurrently herewith, entitled "Colorant Compositions," by Jeffery H. Banning et al. (APP)
- (4) English abstract for DE 4205636AL. (APP)
- (5) English abstract for DE 4205713AL. (APP)
- (6) J. Miley, "Polymeric Colorants," IUPAC Pure and Applied Chemistry, vol. 68, No. 7, p. 1423 (1996). (APP)

ABS 表示形式

AN 13532670 INPAFAMDB
DN 18269152

AN 13532670 INPAFAMDB UP 20071004 UW 200740
DN 24162311

AN 13532670 INPAFAMDB ED 20080710 EW 200828 UP 20080710 UW 200828
DN 24162311

AN 13532670 INPAFAMDB
DN 46140936

AN 13532670 INPAFAMDB
DN 49146124

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

AL English
AS national office

AN 13532670 INPAFAMDB
DN 49783991

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

AL English
AS national office

SCAN 表示形式

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

TRIAL 表示形式

TIEN Toner compound and ink compsns.
ICM C09D017-00
; C09D011-00
; C09B0023-00 [I, A]; C09B0069-00 [I, A]; C09B0069-10 [I, A];
C09D0011-00 [I, A]; C09B0023-00 [I, C*]; C09B0069-00 [I, C*];
C09D0011-00 [I, C*]; C09B0023-00 [I, A]; C09B0069-00 [I, A];
C09B0069-10 [I, A]; C09D0011-00 [I, A]; C09B0023-00 [I, C*];
C09B0069-00 [I, C*]; C09D0011-00 [I, C*]
; C09B0069-00; C09D0011-00C4