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Search 3: coat* w1layer (Results 0)
Search 4: coat* w1 layer (Results 270662)
Search 5: 2 and 4 (Results 3254)
Search 6: alkaline or (alkaline W1 earth) (Results 805443)
Search 7: 5 and 6 (Results 637)
Search 8: acid and ink (Results 132290)
Search 9: 7 and 8 (Results 585)
Search 10: deposit* or dispos* or put* (Results 1000000)
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Title: **INK**-JET RECORDING MATERIAL

Abstract: The present invention provides an **ink**-jet recording material containing: a support; and at least two **ink**-receiving layers of an **ink**-receiving underlayer and an **ink**-receiving top layer, the **ink**-receiving layers containing a pigment and a binder and being **disposed** on the support; characterized in that the **ink**-receiving top layer contains: a finely agglomerated pigment with an average particle diameter of 0.008 to 0.7 μm , selected from the group consisting of a silica, an alumina, and an alumina hydrate; and a coarse-grained pigment with an average particle diameter of 1 to 30 μm , the coarse-grained pigment being contained in an amount of 1 to 15 parts by mass with respect to 100 parts by mass of the finely agglomerated pigment.

Classifications:

International (IPC 8-9): B05D3/02 B05D5/00 B32B5/02 B41J2/01 B41M5/00 B41M5/50 B41M5/52 C04B14/00

C09D5/00 (Advanced/Invention);

B05D5/00 B41J2/01 B41M5/00 B41M5/50 C04B14/00 (Core/Invention)

CPC: B41M5/506 B41M5/5218

European: B41M5/50B4 B41M5/52C

US: 106/287.3 106/400 106/400S 427/256 427/256S 427/372.2 428/32.25 428/32.250P 428/32.37 428/32.39

JP F-Term: 2C056 2C056/EA05 2C056/FC06 2H086 2H186 2H186/BA12 2H186/BA13 2H186/BA26 2H186/BA28 2H186/BA32

2H186/BB05 2H186/BB10 2H186/BB14 2H186/BB20 2H186/BB32 2H186/BB33 2H186/BB36 2H186/BB51 2H186/BB52

2H186/BB54 2H186/BC02 2H186/BC08 2H186/BC25 2H186/BC26 2H186/BC27 2H186/BC28 2H186/BC33 2H186/BC34

2H186/BC38 2H186/BC43 2H186/BC51 2H186/BC52 2H186/BC65 2H186/BC76 2H186/BC77 2H186/BC78 2H186/BC79

2H186/BC82 2H186/CA06 2H186/CA07 2H186/CA08 2H186/CA15 2H186/DA12 2H186/DA13 2H186/DA19 2H186/BB04

2H186/BC29 2H186/BC30 2H186/BB53 2H186/BB54 2C056/EA04 2H186/BB19 2H186/BC70

JP F-Index: B41J2/01/501 B41J3/04/101/Y B41M5/00/B B41M5/00/E B41M5/00/120 B41M5/50/120 B41M5/52/100

B41M5/52/110

Family:

Publication number	Publication date	Application number	Application date
DE602006007440 D1	20090806	DE200660007440T	20060126
DE602006018670 D1	20110113	DE200660018670T	20060126
EP1842687 A1	20071010	EP20060712404	20060126
EP1842687 A4	20080305	EP20060712404	20060126
EP1842687 B1	20090624	EP20060712404	20060126
EP2080633 A1	20090722	EP20090157652	20060126
EP2080633 B1	20101201	EP20090157652	20060126
JP2006231914 A2	20060907	JP20060016087	20060125
JP2006297819 A2	20061102	JP20050124996	20050422
JP2006326949 A2	20061207	JP20050151790	20050525
JP4404055 B2	20100127	JP20060016087	20060125
JP4635697 B2	20110223	JP20050124996	20050422
JP4696686 B2	20110608	JP20050151790	20050525
US2009136692 AA	20090528	US20060815000	20060126
US2012225223 AA	20120906	US20120471729	20120515
US8202586 BB	20120619	US20060815000	20060126
US8771811 BB	20140708	US20120471729	20120515
WO06080395 A1	20060803	WO2006JP301222	20060126

Priority:

JP20050020625 20050128 JP20050124996 20050422 JP20050151790 20050525

JP20060016087 20060125 EP20060712404 20060126 WO2006JP301222 20060126

WO2006JP01222 20060126 US20080815000 20081125 US20120471729 20120515

Probable Assignee: OJI PAPER CO LTD

Assignee(s): (std): KISHIMOTO TAKEHIKO ; KITAMURA RYU ; MITSUI HIDEO ; OJI HOLDINGS CORP ; OJI PAPER C LTD ; OJI PAPER CO ; TAKAHASHI TOMOMI ; SUZUKI SHIGERU

Assignee(s): OJI PAPER CO LTD ; OJI PAPER C

Inventor(s): (std): KISHIMOTO TAKEHIKO ; KITAMURA RYU ; KITAMURA TATSU ; MITSUI HIDEO ; SUZUKI SHIGERU ; TAKAHASHI TOMOMI

Agent(s): POULIN GERARD ; AUGARDE ERIC ; KNOBBE MARTENS OLSON AND BEAR LLP ; KNOBBE MARTENS OLSON AND BEAR LLLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: ACTIVE RAY CURABLE **INK**, IMAGE FORMING METHOD AND **INK**-JET RECORDING APPARATUS

Abstract: An active ray curable **ink** containing at least two photo-polymerization compounds, one of which is an oxetane compound having a specific formula, and the other is an epoxy compound, having an oxirane ring in the molecule.

Classifications:

International (IPC 8-9): B41J11/00 B41J2/01 B41J2/155 B41M5/00 C08G59/24 C08G65/18 C09D11/00 C09D11/10 C09D11/322

C09D11/38 C09D5/00 G01D11/00 (Advanced/Invention); B41J11/00 B41J2/01 B41J2/145 B41M5/00 C08G59/00 C08G65/00 C09D11/00 C09D11/10 C09D5/00 G01D11/00 (Core/Invention)

International (IPC 1-7): B41J2/01 B41M5/00 C08G59/24 C08G65/18 C09D11/00 C09D5/00

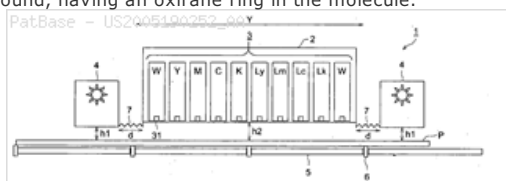
CPC: B41J2/155 B41J11/002 C09D11/101

European: B41J11/00C1 B41J2/155 C09D11/101

US: 347/100 347/102 347/105 347/105P 347/95 523/160 523/161 523/161S

JP F-Term: 2C056 2C056/EA05 2C056/EC13 2C056/EC14 2C056/EC21 2C056/EC29 2C056/EC37 2C056/EC72 2C056/FA10 2C056/FC02 2C056/HA44 2H086 2H086/BA03 2H086/BA05 2H086/BA55 2H086/BA59 2H086/BA61 2H186 2H186/AB11 2H186/BA08 2H186/DA10 2H186/DA16 2H186/FB29 2H186/FB30 2H186/FB40 2H186/FB42 2H186/FB44 2H186/FB45 2H186/FB46 2H186/FB54 4J005 4J005/AA07 4J005/BA00 4J036 4J036/AJ09 4J036/AJ10 4J036/AJ15 4J036/AJ19 4J036/FA04 4J036/FA09 4J036/FA10 4J036/FA12 4J036/GA01 4J036/GA02 4J036/GA03 4J036/GA04 4J036/HA02 4J036/JA15 4J039 4J039/AE05 4J039/BC54 4J039/BE01 4J039/BE27 4J039/EA05 4J039/EA10 4J039/EA43 4J039/EA48 4J039/GA24

JP F-Index: B41J2/01 B41J2/01/121 B41J2/01/401 B41J2/01/501 B41J3/04/101/Y B41J3/04/101/Z B41M5/00/E B41M5/00/120 C08G59/24 C08G65/18 C09D11/00 C09D11/322 C09D11/38



Family:

Publication number	Publication date	Application number	Application date
JP2005239937 A2	20050908	JP20040053338	20040227
JP4686985 B2	20110525	JP20040053338	20040227
US2005190252 AA	20050901	US20050058804	20050215
US7360883 BB	20080422	US20050058804	20050215

Priority:

JP20040053338 20040227

Probable Assignee: KONICA MINOLTA HOLDINGS INC

Assignee(s): (std): KONICA MINOLTA MED AND GRAPHIC ; KONICA MINOLTA MEDICAL AND GRAPH

Assignee(s): KONICA MINOLTA MEDICAL AND GRAPHIC INC ; KONICA MINOLTA HOLDINGS INC

Inventor(s): (std): OOKUBO KIMIHIKO ; OKUBO KIMIHIKO ; NISHIZEKI MASATO ; NISHIZEKI MASAHITO

Agent(s): FRISHAUF HOLTZ GOODMAN AND CHICK PC

Title: AQUEOUS DISPERSION OF WATER-INSOLUBLE-COLORANT-CONTAINING PARTICLE AND PREPARATION PROCESS THEREOF, WATER-INSOLUBLE-COLORANT-CONTAINING PARTICLE AND PREPARATION PROCESS THEREOF, AND **INK**

Abstract: An embodiment of the invention relates to an aqueous dispersion containing pigment-containing particles. The dispersion is an aqueous dispersion comprising particles containing a water-insoluble colorant dispersed in a water-containing medium, wherein the light-scattering intensity of the dispersion is at most 30,000 cps when the absorbance peak value of the dispersion in a visible region is regarded as 1.

Classifications:

International (IPC 8-9): C09B67/20 C09D11/00 C09B67/00 C09B67/10 C09B67/46 C09C1/00 C09C3/00 C09D C09D11/02 C09D11/16 C09D11/32 C09D11/322 C09D11/326 C09D11/328

C09D11/38 (Advanced/Invention);
C09D11/02 (Advanced/Non-invention);
C09B67/00 C09D11/00 C09D11/02 C09D11/16 (Core/Invention)

International (IPC 1-7): B05D7/00 C08J3/02 C08K5/00 C09B67/00 C09B67/10 C09B67/20 C09B67/46 C09D11/00 C09D11/02 C09D11/16 C38K5/00

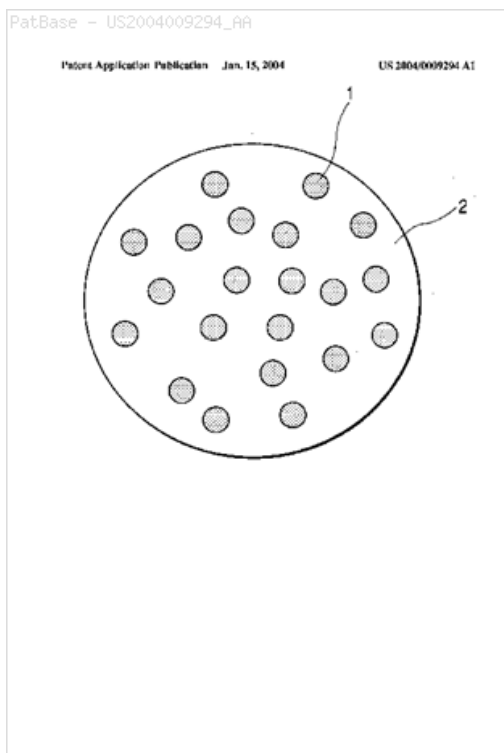
CPC: C09D11/30 C09D11/32

European: C09D11/30 C09D11/32

US: 106/31.6 106/31.600S 106/31.65 106/31.650S 106/499 106/499S 427/212 427/212P 427/22 427/220 427/220S

JP F-Term: 4H056 4J039 4J039/BC16 4J039/BC36 4J039/BC51 4J039/BC53 4J039/BC54 4J039/BD04 4J039/BE01 4J039/BE02 4J039/BE12 4J039/BE22 4J039/CA03 4J039/EA46 4J039/GA24

JP F-Index: C09B67/20/A C09B67/46/B C09D11/00 C09D11/322 C09D11/326 C09D11/328 C09D11/38



Family:

Publication number	Publication date	Application number	Application date
AT489437 E	20101215	AT20030011422T	20030520
CN100584901 C	20100127	CN20031036082	20030519
CN1462778 A	20031224	CN20031036082	20030519
DE60335060 D1	20110105	DE20036035060	20030520
EP1364997 A2	20031126	EP20030011422	20030520
EP1364997 A3	20040114	EP20030011422	20030520
EP1364997 B1	20101124	EP20030011422	20030520
HK1060145 A1	20040730	HK20040103064	20040430
HK1060145 A3	20040730	HK20040103064	20040430
IN200254 B	20070223	IN2003CH00423	20030520
JP2004043776 A2	20040212	JP20030104470	20030408
JP4612788 B2	20110112	JP20030104470	20030408
KR100568639 B1	20060407	KR20030031872	20030520
KR20030091696 A	20031203	KR20030031872	20030520
RU2003114927 A	20041220	RU20030114927	20030520
RU2261260 C2	20050927	RU20030114927	20030520
SG114621 A1	20050928	SG20030003650	20030516
TH63974 A	20040910	TH20031001820	20030519
TW200401014 A	20040116	TW20030113508	20030519
TWI283697 B	20070711	TW20030113508	20030519
US2004009294 AA	20040115	US20030441115	20030520
US6921433 BB	20050726	US20030441115	20030520

Priority:

JP20020146115 20020521 JP20030104470 20030408

Probable Assignee: CANON INC

Assignee(s): (std): CANON KK

Assignee(s): M S CANON KABUSHUKI KAISHA ; CANON 30 2 3 CHOME SHIMOMARUKO OHTA KU KK ; CANON INC ; CANON K K ; CANON KABUSHIKI KAISHA ; CANON KABUSHIKI KAISHA AB

Inventor(s): (std): TAKESHI MIYAZAKI ; YOSHIHISA YAMASHITA ; YAMASHITA YOSHIHISA ; MIYAZAKI TAKESHI ; MIJAZAKI TAKESI ; KURIHAYASHI HIDETO ; KURIBAYASHI HIDETO ; KURIBAJASI KHIHETO ; KHIROSE MASASI ; KASIVAZAKI AKIO ; KASHIWAZAKI AKIO ; JAMASITA JOSIKHISA ; HIROSE MASASHI ; MASASHI HIROSE ; HIDETO KURIHAYASHI ; AKIO KASHIWAZAKI ; HIDETO KURIBAYASHI ; HIROSE MASAFUMI

Inventor(s): MASAHI HIROSE ; AKIO KASHIWAZAKI

Agent(s): TBK PATENT; DEACONS 3RD 7TH; FITZPATRICK CELLA HARPER AND SCINTO

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Title: IMAGE FORMING METHOD

Abstract: A method of forming an image containing the step of: ejecting droplets of an ink-jet ink comprising water, a colorant and a polymer through a nozzle of an ink-jet head onto an image recording medium, wherein the polymer comprises a hydrophilic main chain and a plurality of side chains which are capable of cross-linking between the side chains by irradiation with an active energy ray; and a shearing stress is continuously applied to the ink-jet ink in an ink-jet head channel of the ink-jet head during the time when the ink-jet head is in a stand-by condition to eject the droplets of the ink-jet ink.

Classifications:

International (IPC 8-9): B41J2/01 B41J2/045 B41J2/055 B41J2/135 B41J2/14 B41J2/18 B41M5/00 C09D11/00 C09D11/322 C09D11/328 C09D11/38 (Advanced/Invention); B41J2/01 B41J2/045 B41J2/055 B41J2/18 B41M5/00 C09D11/00 (Core/Invention)

CPC: C09D11/101

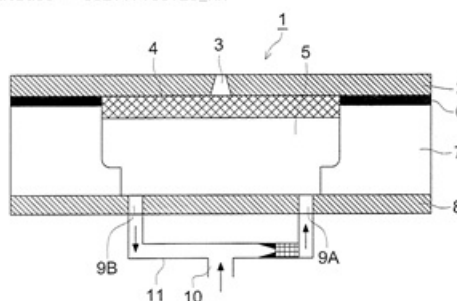
European: C09D11/101

US: 347/101 347/101P 347/84 347/85 347/89

JP F-Term: 2C056 2C056/EA04 2C056/EA13 2C056/FC02 2C056/FD20 2C057 2C057/AF21 2C057/AG29 2C057/BA14 2H086 2H186 2H186/AB11 2H186/BA08 2H186/BA10 2H186/DA12 2H186/DA14 2H186/FA18 2H186/FA20 2H186/FB11 2H186/FB15 2H186/FB16 2H186/FB17 2H186/FB25 2H186/FB29 2H186/FB36 2H186/FB38 2H186/FB44 2H186/FB46 2H186/FB48 2H186/FB53 2H186/FB54 2H186/FB58 4J039 4J039/AD06 4J039/AD08 4J039/AD20 4J039/AF07 4J039/BE01 4J039/BE02 4J039/BE27 4J039/EA04 4J039/EA36 4J039/EA44 4J039/EA46 4J039/GA24

JP F-Index: B41J2/01 B41J2/01/501 B41J2/045 B41J2/135 B41J2/14 B41J2/14/301 B41J2/14/605 B41J3/04/101/Y B41J3/04/101/Z B41J3/04/103/A B41M5/00/A B41M5/00/E B41M5/00/100 B41M5/00/120 C09D11/00 C09D11/322 C09D11/328 C09D11/38

PatBase - US2007058018_AA

**Family:**

Publication number	Publication date	Application number	Application date
JP2007106110 A2	20070426	JP20060219496	20060811
US2007058018 AA	20070315	US20060468892	20060831
US7658485 BB	20100209	US20060468892	20060831

Priority:

JP20050264999 20050913

JP20060219496 20060811

Probable Assignee:

KONICA MINOLTA HOLDINGS INC

Assignee(s): (std):

KONICA MINOLTA HOLDINGS INC

Inventor(s): (std):

ASANO KAZUO ; ISHIBASHI DAISUKE

Agent(s):

LUCAS AND MERCANTI LLP

Title: INORGANIC FINE PARTICLE DISPERSION LIQUID, METHOD FOR PRODUCING INORGANIC FINE PARTICLE DISPERSION LIQUID, AND INKJET RECORDING MEDIUM USING THE SAME

Abstract: A method of producing an inorganic fine particle dispersion liquid, the method comprising subjecting a dispersion liquid including a water-soluble organic cationic compound, a water-soluble polyvalent metal compound, and inorganic fine particles to a dispersing process by a head-on collision high-pressure dispersing machine or an orifice-passage high-pressure dispersing machine. Also provided is an inorganic fine particle dispersion liquid and an inkjet recording medium using the same.

Classifications:
International (IPC 8-9): B01F3/12 B41J2/01 B41M5/00 B41M5/50 B41M5/52 C01B33/14 C01B33/141 C08K3/36 C08L29/04 C08L75/04 C09C1/28 C09C3/00 C09D11/00 C09D11/326 C09D11/38 C09D17/00 (Advanced/Invention); B01F3/12 B41M5/00 C01B33/141 C09D17/00 (Advanced/Non-invention); B01F3/12 B41J2/01 B41M5/00 B41M5/50 C01B33/00 C08K3/00 C08L29/00 C08L75/00 C09C1/28 C09C3/00 C09D11/00 C09D17/00 (Core/Invention)
CPC: B41M5/5218 C01B33/1417
European: B41M5/00J2 B41M5/52C C01B33/141D2
US: 516/80 524/543 524/591
JP F-Term: 2C056 2C056/EA04 2C056/EA13 2C056/FC06 2H086 2H186 2H186/BA11 2H186/BA15 2H186/BA26 2H186/BB14 2H186/BB19 2H186/BB24 2H186/BB32 2H186/BB34 2H186/BC04 2H186/BC24 2H186/BC26 2H186/BC31 2H186/BC34 2H186/BC36 2H186/BC52 2H186/BC54 2H186/BC77 2H186/BC79 2H186/CA04 2H186/CA06 2H186/CA07 2H186/CA16 2H186/DA13 2H186/DA19 2H186/DA20 4G035 4G035/AB44 4G035/AB54 4G072 4G072/AA28 4G072/BB20 4G072/EE01 4G072/GG03 4G072/HH17 4G072/JJ42 4G072/JJ45 4G072/MM02 4G072/UU25 4J037 4J037/AA18 4J037/CA05 4J037/CA07 4J037/CA19 4J037/CA21 4J037/CB09 4J037/CB16 4J037/CC16 4J037/CC21 4J037/CC22 4J037/DD05 4J037/DD07 4J037/EE08 4J037/EE28 4J037/EE29 4J037/EE43 4J037/EE48 4J037/FF15 4J039 4J039/AD06 4J039/AE04 4J039/BA21 4J039/BD02 4J039/BE12 4J039/BE22 4J039/BE25 4J039/CA06 4J039/EA33 4J039/EA40 4J039/EA42 4J039/EA44 4J039/EA47 4J039/GA24
JP F-Index: B01F3/12 B41J2/01/501 B41J3/04/101/Y B41M5/00/B B41M5/50/110 B41M5/50/120 B41M5/52/100 B41M5/52/110 C01B33/14 C09C1/28 C09C3/00 C09D11/00 C09D11/326 C09D11/38 C09D17/00

부기	입자크기 (평균입자크기) (nm)	부기비율과 분산액 500nm에서의 투과율	입자-수용액 도포액 500nm에서의 투과율	알크릴계 기록용 시트	
				도포면의 광택도	투과율
실시예 1	108nm	0%	0.64	A	A
실시예 2	110nm	0%	0.62	A	A
실시예 3	110nm	0%	0.66	A	A
실시예 4	120nm	0%	0.68	A	A
비교예 1	145nm	0%	1.4	C	A
비교예 2	112nm	0%	0.62	B	A
비교예 3	18nm	96%	2.1	C	A
비교예 4	112nm	0%	0.68	B	A
비교예 5	150nm	10%	0.92	A	A

Family:

Publication number	Publication date	Application number	Application date
CN101056823 A	20071017	CN200580038633	20051111
CN101056823 B	20100512	CN200580038633	20051111
EP1814821 A1	20070808	EP20050803932	20051111
EP1814821 A4	20121205	EP20050803932	20051111
JP2006240975 A2	20060914	JP20050272815	20050920
JP4954519 B2	20120620	JP20050272815	20050920
KR101199824 B1	20121109	KR20077011062	20051111
KR20070084253 A	20070824	KR20077011062	20051111
US2008103245 AA	20080501	US20050667444	20051111
WO06052019 A1	20060518	WO2005JP21179	20051111

Priority:

JP20040329634 20041112 JP20050029771 20050204 JP20050272815 20050920
WO2005JP21179 20051111

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD ; FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; NAGATA KOZO ; ENDO TOSHIKI ; FUJI FILM CORP

Assignee(s): FUJI PHOTO FILM CO

Inventor(s): (std): TOSHIKI ENDO ; NAGATA KOZO ; KOZO NAGATA ; KOZO ENDO TOSHIKI NAGATA ; ENDO TOSHIKI

Inventor(s): ENDO TOSHIKI NAGATA KOZO

Agent(s): SUGHRUE MION PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: INKJET RECORDING MEDIUM

Abstract: An inkjet recording medium obtained by forming a **coating layer** containing a pigment and a binder on the surface of a base material and **coating layer** is subsequently pressed onto a heated mirror finished surface to dry to form an **ink** absorbing layer through a cast coating method, wherein pigment contains a colloidal silica that has a primary particle diameter of from 10 nm to 100 nm while the ratio of the secondary particle diameter to primary particle diameter is from 1.5 to 3.0.

Classifications:

International (IPC 8-9): B05D5/04 B41J B41J2/01 B41M B41M5/00
B41M5/40 B41M5/50 B41M5/52 B82Y30/00 B82Y40/00
C09D11/00 (Advanced/Invention);
B41J2/01 B41M5/00 (Advanced/Non-invention);
B05D5/04 B41J2/01 B41M5/00 B41M5/40 B41M5/50
C09D11/00 (Core/Invention);
B41M5/00 (Core/Non-invention);
B41M (Subclass/Invention);
B41J (Subclass/Non-invention)

International (IPC 1-7): B05D5/04 B41J2/01 B41M5/00 C09D11/00
CPC: B41M5/52 B41M5/5218

European: B41M5/00J B41M5/52 L41M5/52C

US: 347/105 428/32.28 428/32.33 428/32.35 428/32.37

JP F-Term: 2C056 2C056/EA04 2C056/FC06 2H086 2H086/BA15 2H086/BA33 2H086/BA41 2H086/BA45 2H186 2H186/BA11 2H186/BA12 2H186/BB07 2H186/BB14 2H186/BB24 2H186/BB32 2H186/BB33 2H186/BB52 2H186/BC27 2H186/BC28 2H186/BC29 2H186/BC34 2H186/BC51 2H186/BC52 2H186/BC76 2H186/BC77 2H186/BC78 2H186/CA09 2H186/DA12 2H186/DA19 2C056/EA06 2H086/BA46 2H186/BA34 2H186/BB10 2H186/BB20 2H186/BB36 2H186/BB49 2H186/BC03 2H186/BC79 2H186/DA20 2C056/EA13 2H086/BA13 2H086/BA21 2H086/BA35 2H186/BA14 2H186/BB34 2H186/BB53 2H186/BB54 2H086/BA48 2H186/BC26 3C082 4D075 4D075/BB05 4D075/BB24 4D075/CA35 4D075/CB04 4D075/DA04 4D075/DB18 4D075/DB20 4D075/DB31 4D075/DC27 4D075/EA06 4D075/EA13 4D075/EB07 4D075/EB12 4D075/EB14 4D075/EB15 4D075/EB19 4D075/EB22 4D075/EB32 4D075/EB36 4D075/EB38 4D075/EC01 4D075/EC03 4D075/EC51 4D075/EC53 4J039 4J039/AB02 4J039/AB07 4J039/AD05 4J039/AD06 4J039/AD08 4J039/AE04 4J039/BA13 4J039/BA14 4J039/BA16 4J039/BA21 4J039/BA23 4J039/BA32 4J039/BD02 4J039/BE01 4J039/BE02 4J039/BE22 4J039/EA29 4J039/EA33

JP F-Index: B4112/01/501 B4133/04/101/Y B41M5/00/B B41M5/50/120 B41M5/52/100 B41M5/52/110 B41J2/01/201 B41M5/50/110 B05D5/04 B82Y30/00 B82Y40/00 C09D11/00

	잉크 주입용						합기							
	인쇄						원(중)				잉크를 주시			
	물결어드 실리카		기산법 실리카		배합 부수 (폴리메르) 실리카/ 기산실리카		원(중)		정량		잉크를 주시		신도모	
상용명	형상	외경 (mm)	내경 (mm)	2차입장/ 1차입장	사출면	비표 (cm^2/g)	미표 (cm^2/g)	배합 부수 (폴리메르) 실리카/ 기산실리카	원(중)	정량	잉크를 주시	정량	잉크를 주시	신도모
심시에1	PL-1	평적상	15	40	2.7	130	130	50/50	5	있음	O	O	O	O
심시에2	PL-2	"	23	51	2.2	200V	200	70/30	10	있음	O	O	O	O
심시에3	PL-2	"	23	51	2.2	"	"	70/30	20	있음	O	O	O	O
심시에4	PL-2	"	23	51	2.2	"	"	80/40	30	있음	O	O	O	O
심시에5	PL-2	"	23	51	2.2	200V	300	95/5	5	있음	O	O	O	O
심시에6	PL-2	"	23	51	2.2	레오로진 QS-102	200	50/50	30	있음	O	O	O	O
심시에7	PL-2	"	23	51	2.2	"	"	70/30	20	있음	O	O	O	O
심시에8	PL-3	"	35	70	2.0	300	300	50/50	35	-	O	O	O	O
심시에9	PL-2	"	23	51	2.2	200V	200	70/30	3	있음	O	O	O	O
심시에10	PL-2	"	23	51	2.2	레오로진 QS-102	200	70/30	40	있음	O	O	O	O
비교예1	-	-	-	-	-	레이아로진 200V	200	0/100	10	있음	X	O	O	O
비교예2	ST-PS-M 수무상	18~200	25	200	5.5~8.0	레이아로진 QS-102	200	70/30	10	있음	O	O	X	O
비교예3	ST-HS-M200 수무상	25	278	11.1	1.0	"	"	70/30	10	있음	X	O	X	O
비교예4	ST-O	10~200	25	200	1.0	"	"	70/30	10	있음	X	O	X	O

Family:

Publication number	Publication date	Application number	Application date
AT354475 E	20070315	AT20040724153T	20040329
CN100372691 C	20080305	CN200480001851	20040329
CN1723132 A	20060118	CN200480001851	20040329
DE602004004885 D1	20070405	DE200460004885T	20040329
DE602004004885 T2	20071115	DE200460004885T	20040329
EP1609609 A1	20051228	EP20040724153	20040329
EP1609609 A4	20060614	EP20040724153	20040329
EP1609609 B1	20070221	EP20040724153	20040329
ES2282855 T3	20071016	ES20040724153T	20040329
HK1080430 A1	20080620	HK20060103141	20060311
HK1080430 A1	20060428	HK20060103141	20060311
HK1080430 B	20080620	HK20060103141	20060311
JP2004314609 A2	20041111	JP20040086338	20040324
JP2005035169 A2	20050210	JP20030274545	20030715
JP2005103892 A2	20050421	JP20030339530	20030930
JP2005212327 A2	20050811	JP20040023061	20040130
JP3699096 B2	20050928	JP20030274545	20030715
JP3699100 B2	20050928	JP20030339530	20030930
JP3699103 B2	20050928	JP20040023061	20040130
JP3699104 B2	20050928	JP20040086338	20040324
KR100660999 B1	20061222	KR20057008276	20040329
KR20050086469 A	20050830	KR20057008276	20040329
US2006050130 AA	20060309	US20050535387	20050517
US7655287 BB	20100202	US20050535387	20050517
WO04087431 A1	20041014	WO20041P04437	20040329

Priority:

JP20030094211 20030331 JP20030274545 20030715 JP20030339530 20030930
JP20040023061 20040130 JP20040086338 20040324 WQ2004JP04437 20040329

Probable Assignee: NIPPON PAPER IND CO LTD

Assignee(s): (std): JUJO PAPER CO LTD ; YOSHIDA YOSHIO ; KAWASHIMA MASANORI ; TOSAKA MASAYA ; SUZUKI YUU ; ENDO SHOICHI ; FUJIMOTO TAKAYUKI ; HAGISAWA SUSUMU ; HAMADA KAORU

Assignee(s): JUJO PAPER CO ; FUJIMOTO TAKAYUKI JUJO PAPER CO LTD TOSAKA ; NIPPON PAPER INDUSTRIES CO LTD ; NIPPON PAPER IND CO LTD ; NIPPON PAPER IND ; NIPPON PAPER INDUSTRIES CO LTD ; NIPPON PAPER IND CO

Inventor(s): (std): ENDO SHOICHI ; FUJIMOTO TAKAYUKI ; HAGISAWA SUSUMU ; HAMADA KAORU ; KAORU HAMADA ; KAWASHIMA MASANORI ; MASANORI KAWASHIMA ; MASAYA TOSAKA ; SHOICHI ENDO ; SUSUMU HAGISAWA ; SUZUKI YOSHIO ; SUZUKI YUU ; TAKAYUKI FUJIMOTO ; TOSAKA MASAYA ; YOSHIDA YOSHIO ; YOSHIDA YOSHIO ENDO SHOICHI KAWASHIMA MASANORI HAG ; YOSHIO YOSHIDA ; YUU SUZUKI

Inventor(s): YOSHIDA YOSHIO ENDO SHOICHI KAWASHIMA MASANORI...

Agent(s): VIVIEN CHAN AND CO; GARY C COHN; GARY C COHN PLLC

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: METHOD OF PRODUCING WHITE PIGMENT DISPERSION LIQUID AND METHOD OF PRODUCING INKJET RECORDING MEDIUM

Abstract: A method of producing a white pigment dispersion liquid includes: mixing and dispersing a white pigment, a dispersant and a medium to form a dispersion liquid in which the amount of the white pigment is 20 percent by mass or more relative to the total mass of the dispersion liquid; and subjecting the dispersion liquid to a depressurization treatment after the dispersing. A method of producing an inkjet recording medium includes: producing a white pigment dispersion liquid by the method of producing a white pigment dispersion liquid; preparing a coating liquid by mixing at least the white pigment dispersion liquid and a water-soluble resin; and forming an **ink** receiving layer by applying the coating liquid onto a support.

Classifications:

International (IPC 8-9): B41J2/01 B41M5/00 B41M5/50 B41M5/52 C08L79/02 C09C1/28 C09C3/00

C09D17/00 (Advanced/Invention);

C08L79/00 C09C1/28 C09C3/00 (Core/Invention)

CPC: B41M5/52 B41M5/5218 B41M5/5245 B41M5/5254 C09C1/3072 B82Y30/00 C01P2004/64 C01P2006/12 C01P2006/22 C09C1/021 C09C1/025 C09C1/027 C09C1/028 C09C1/3081 C09C1/3676 C09C1/3684 C09C1/405 C09C1/407 C09C3/10 C09C3/12 D21H19/40

European: B82Y30/00 C09C1/02B C09C1/02D C09C1/02F C09C1/02H C09C1/30D10 C09C1/30D12 C09C1/36D10 C09C1/36D12 C09C1/40D C09C1/40F C09C3/10 C09C3/12 D21H19/40 M01P4/64 M01P6/12 M01P6/22

US: 106/400 106/400S 106/489 106/499 106/499S 524/538 524/538S

JP F-Term: 2C056 2C056/EA04 2C056/FC01 2H186 2H186/BB14 2H186/BB24 2H186/BB28 2H186/BB31 2H186/BB32 2H186/BB52 2H186/BC03 2H186/BC26 2H186/BC34 2H186/BC36 2H186/BC52 2H186/BC54 2H186/BC77 2H186/CA06 2H186/CA07 2H186/DA13 3C082 4J037 4J037/AA09 4J037/AA18 4J037/AA22 4J037/AA26 4J037/AA27 4J037/DD05 4J037/DD24 4J037/EE08 4J037/EE28 4J037/EE43 4J037/FF04

JP F-Index: B41J2/01/501 B41J3/04/101/Y B41M5/00/B B41M5/50/120 B41M5/52/100 B41M5/52/110 B82Y20/00 C09D17/00

Family:

Publication number	Publication date	Application number	Application date
JP2010214638 A2	20100930	JP20090061343	20090313
US2010229759 AA	20100916	US20100720692	20100310

Priority:

JP20090061343 20090313

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP

Inventor(s): (std): NAKANO RYOICHI

Agent(s): SOLARIS INTELLECTUAL PROPERTY GROUP PLLC

Title: COATING PAPER WHICH CAN BE REMOVED BY WATER AND A METHOD FOR PREPARATION THEREOF

Abstract: A coating paper which can be removed by water comprising a substrate paper of single layer or lamellar structure having two or more layers which has at least one water decaying layer containing 5-100 wt percent of water insoluble fibrous carboxy alkyl cellulose and a water base color is coated on said substrate paper, wherein a **coating layer** and at least a part of substrate paper which is a supporter of said **coating layer** has a characteristic of easily removing, dispersion and dissolving by contact with water, and can provide a water decaying coating paper used preferably for an use of label for a returnable container which may easily remove by contact with water and excellent in printing aptitude and a method for preparation thereof can be provided.

Classifications:

International (IPC 8-9): B32B23/04 B32B29/00 B41M5/00 B41M5/28 B41M5/30 B41M5/50 B41M5/52 D21H13/04 D21H19/12 D21H19/34 D21H19/72 D21H19/80 D21H27/00 (Advanced/Invention);

B32B23/00 B32B29/00 B41M5/00 B41M5/28 B41M5/30 B41M5/50 D21H13/00 D21H19/00 D21H27/00 (Core/Invention)

CPC: Y10T428/31971 Y10T428/31975 Y10T428/31982 Y10T428/31986 Y10T428/31993 D21H19/12 D21H19/34 D21H19/80 D21H27/00

European: D21H19/12 D21H19/34 D21H19/80 D21H27/00

US: 162/123 162/135 162/136 162/137 162/146 427/322 427/324 427/326 427/411 427/415 428/532 428/533 428/535 428/536 428/537.5

JP F-Term: 2H026 2H026/AA07 2H026/BB01 2H026/BB21 2H026/FF01 2H026/FF11 2H026/FF29 2H026/HH05 2H086 2H186 2H186/AA14 2H186/AA18 2H186/BA11 2H186/BA15 2H186/BB04 2H186/BB14 2H186/BB32 2H186/BB46 2H186/BC27 2H186/BC43 2H186/CA15 2H186/DA07 2H186/DA12 4L055 4L055/AF09 4L055/AF10 4L055/AG10 4L055/AG16 4L055/AG35 4L055/AH06 4L055/AH50 4L055/AJ01 4L055/AJ03 4L055/AJ04 4L055/BD17 4L055/BD18 4L055/BE08 4L055/BE09 4L055/EA04 4L055/EA05 4L055/EA08 4L055/EA29 4L055/FA11 4L055/FA15 4L055/FA20 4L055/GA08 4L055/GA09 4L055/GA12 4L055/GA19 4L055/GA42

JP F-Index: B41M5/00/B B41M5/18/H B41M5/41/200 B41M5/50/110 B41M5/50/120 B41M5/52/100 B41M5/52/110 D21H13/04 D21H19/72 D21H27/00/Z

Family:

Publication number	Publication date	Application number	Application date
DE602006040049 D1	20140227	DE200660040049T	20060321
EP1705288 A2	20060927	EP20060005790	20060321
EP1705288 A3	20090701	EP20060005790	20060321
EP1705288 B1	20140115	EP20060005790	20060321
JP2006299498 A2	20061102	JP20050161596	20050601
JP4917274 B2	20120418	JP20050161596	20050601
US2006216537 AA	20060928	US20060385295	20060321
US7476448 BB	20090113	US20060385295	20060321

Priority:

JP20050082299 20050322 JP20050161596 20050601 EP20060005790 20060321

Probable Assignee: NIPPON PAPER PAPYLIA CO LTD

Assignee(s): (std): ISHINO YOSHIKI ; JUJO PAPER CO LTD ; KANOMATA YOSHITERU ; MIDORIKAWA HIROKI ; MISHIMA PAPER CO LTD ; NATSUI JUNPEI ; OGINO AKIHITO ; NIPPON PAPER PAPYLIA CO LTD

Assignee(s): NIPPON PAPER IND ; NIPPON PAPER IND CO ; NIPPON PAPER PAPYLIA CO LTD FUJI SHI ; NIPPON PAPER INDUSTRIES CO LTD ; NIPPON PAPER INDUSTRIES CO ; NIPPON PAPER PAPYLIA CO ; NIPPON PAPER IND CO LTD

Inventor(s): (std): OGINO AKITO ; SHIKAMATA YOSHITERU ; OGINO AKIHITO ; NATSUI JUNPEI ; MIDORIKAWA HIROKI ; KANOMATA YOSHITERU ; ISHINO YOSHIKI

Inventor(s): OGINO AKIHITO C O PRODUCT DEVPT RESEARCH ; NATSUI JUNPEI C O PRODUCT DEVPT RESEARCH ; MIDORIKAWA HIROKI C O PRODUCT DEVPT RESEARCH

Agent(s): KRAUS AND WEISERT PATENTANWALTE PARTGMBB ; ALBRECHT THOMAS ; MIYAMOTO HARUMI ; FLYNN THIEL BOUTELL AND TANIS PC

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR YU

Title: AQUEOUS **INK** COMPOSITION

Abstract: An aqueous **ink** composition including a carbon black having a specific surface area of 200 m²/g or more but less than 300 m²/g according to a BET method, an organic solvent, a neutralizing agent and water, wherein the carbon black is coated with a water-insoluble resin including a structural unit represented by the following formula (I): wherein R¹ represents a hydrogen atom or a methyl group, Ar represents an unsubstituted or substituted aromatic ring, and n represents an average repeating number and is from 1 to 6.

Classifications:

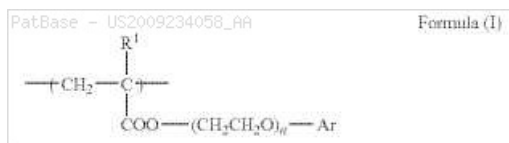
International (IPC 8-9): C08K3/04 C09C1/48 C09C3/10
C09D11/00 (Advanced/Invention);
C08K3/00 C09C1/44 C09C3/10 C09D11/00 (Core/Invention)

CPC: C09D11/324

US: 524/495

JP F-Term: 4J037 4J037/AA02 4J037/CC16 4J037/DD05
4J037/DD07 4J037/EE02 4J039 4J039/BA04 4J039/BE01 4J039/BE12 4J039/BE22 4J039/BE30 4J039/CA06 4J039/EA42
4J039/EA43

JP F-Index: C09C1/48 C09C3/10 C09D11/00



Family:

Publication number	Publication date	Application number	Application date
JP2009221326 A2	20091001	JP20080066355	20080314
JP5258337 B2	20130807	JP20080066355	20080314
US2009234058 AA	20090917	US20090402658	20090312

Priority:

JP20080066355 20080314

Probable Assignee: FUJIFILM HOLDINGS CORP
Assignee(s): (std): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP
Inventor(s): (std): SASADA MISATO
Agent(s): SUGHRUE MION PLLC

Title: Ink-jet printing process using polymeric biguanides

Abstract: An ink-jet printing process comprising the steps (a) and (b) in any order or simultaneously: (a) applying by means of an ink jet printer an ink to a substrate in a localised manner to form an image on the substrate; and (b) applying to the substrate a composition comprising a binder and a polymeric biguanide which has a repeat unit of Formula (1) or a salt thereof: wherein X and Y are the same or different and represent divalent organic linking groups.

Classifications:

International (ipc 8-9): B41J2/01 B41M5/00 B41M5/50 B41M5/52

B41M7/00 C09D11/00 D06P1/52 D06P5/06 D06P5/08

D06P5/30 (Advanced/Invention);

B41J2/01 B41M1/26 B41M5/50 (Advanced/Non-invention);

B41J2/01 B41M5/00 B41M5/50 B41M7/00 C09D11/00 D06P1/44 D06P5/02 D06P5/30 (Core/Invention)

International (ipc 1-7): B41J2/01 B41M1/26 B41M1/28 B41M1/30 B41M1/34 B41M5/00 B41M7/00 C09D11/00 D06P5/30

CPC: B41M5/0017 B41M5/52 B41M7/0018 B41M7/0027 C09D11/30 D06P1/5285 D06P5/06 D06P5/08 D06P5/30

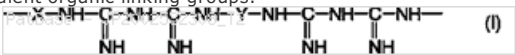
European: B41M5/00D2 B41M5/00J B41M5/52 B41M7/00B B41M7/00C C09D11/30 D06P1/52D6 D06P5/00J D06P5/06

D06P5/08 D06P5/30

US: 347/100 347/101 347/105

JP F-Term: 2C056 2C056/EA13 2C056/FC01 2C056/FC06 2C056/HA42 2H086 2H086/BA01 2H086/BA02 2H086/BA15 2H086/BA19 2H086/BA35 2H086/BA41 2H186 2H186/AB03 2H186/AB34 2H186/AB43 2H186/BA10 2H186/BA11 2H186/BA12 2H186/BB01 2H186/BB04 2H186/BB05 2H186/BB28 2H186/BB31 2H186/BB44 2H186/BB52 2H186/BC01 2H186/BC08 2H186/BC52 2H186/DA08 2H186/DA09 2H186/DA14 2H186/FB11 2H186/FB24 2H186/FB25 2H186/FB29 2H186/FB30 2H186/FB31 2H186/FB53

JP F-Index: B41J2/01 B41J2/01/123 B41J2/01/501 B41J3/04/101/Y B41J3/04/101/Z B41M5/00/A B41M5/00/B B41M5/00/100 B41M5/00/112 B41M5/00/132 B41M5/50/120 B41M5/52/100



Family:

Publication number	Publication date	Application number	Application date
AT260181 E	20040315	AT19990961199T	19991214
AU200017891 A1	20000712	AU20000017891	19991214
AU200017891 A5	20000712	AU20000017891	19991214
CN1154575 C	20040623	CN19998014544	19991214
CN1330592 A	20020109	CN19998014544	19991214
DE69915138 D1	20040401	DE19996015138	19991214
DE69915138 D1	20040401	DE19996015138T	19991214
DE69915138 T2	20041021	DE19996015138T	19991214
EP1159140 A1	20011205	EP19990961199	19991214
EP1159140 B1	20040225	EP19990961199	19991214
GB9827884 A0	19990210	GB19980027884	19981218
GB9921291 A0	19991110	GB19990021291	19990909
IN203729 B	20070518	IN2001MN00540	20010509
JP2002532308 T2	20021002	JP20000589350T	19991214
JP4489965 B2	20100623	JP20000589350T	19991214
KR20010101220 A	20011114	KR20017007451	19991214
US6485139 BA	20021126	US20010831986	20010515
WO0037258 A1	20000629	WO1999GB04212	19991214

Priority:

GB19980027884 19981218 GB19990021291 19990909 WO1999GB04212 19991214

Probable Assignee: AVECIA LTD

Assignee(s): (std): AVECIA LTD ; ANNABLE TOM ; LAVERY AIDAN JOSEPH ; WATKINSON JANETTE ; ZENECA LTD

Assignee(s): ZENECA LIMITED ; AVECIA LIMITED ; AVECIA LTD MANCHESTER ; FUJIFILM IMAGING COLORANTS LTD was KNOWN AS AVECIA ; FUJIFILM IMAGING COLORANTS LTD WAS KNOWN AVECIA AS

Inventor(s): (std): ANNABLE T ; ANNABLE TOM ; LAVERY A J ; LAVERY AIDAN JOSEPH ; WATKINSON J ; WATKINSON JANETTE

Inventor(s): A J LAVERY ; AIDAN JOSEPH LAVERY ; AJ LAVERY ; T ANNABLE ; TOM ANNABLE ; J WATKINSON ; JANETTE WATKINSON

Agent(s): MATSUDA TOYOHARU; ONO SHINJIRO; SHAMOTO ICHIO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Title: DECORATIVE SAFETY GLASS

Abstract: An image-bearing article comprising an interlayer bearing an image wherein the interlayer is an acoustic poly(vinyl acetal) interlayer having a Tg 23 degrees centigrade or less. The acoustic poly(vinyl acetal) interlayer is preferably laminated to a film layer, a white layer, a second interlayer sheet or a rigid layer. The image-bearing article can preferably be coated on the image-bearing side and over the image with an adhesion promoter.

Classifications:

International (IPC 8-9): B32B17/10 B44F1/04 C03C27/12 C09D7/12 (Advanced/Invention);

B44F1/06 (Advanced/Non-invention);

B32B17/06 B44F1/00 C03C27/12 C09D7/12 (Core/Invention);

B44F1/00 (Core/Non-invention)

CPC: B32B17/10 B32B17/10018 B32B17/10036 B32B17/10247 B32B17/10761 B32B17/10853 B32B2367/00

European: B32B17/10 B32B17/10C2 B32B17/10C4 B32B17/10E12 B32B17/10G28 B32B17/10L10B2B2 L32B367/00

US: 156/277 156/277S 428/29 428/29P

Family:

Publication number	Publication date	Application number	Application date
US2008280076 AA	20081113	US20070801795	20070511
WO08141258 A1	20081120	WO2008US63359	20080512

Priority:

US20070801795 20070511

Probable Assignee: E I DU PONT DE NEMOURS AND CO

Assignee(s): (std): DU PONT ; HAYES RICHARD ALLEN ; SMITH REBECCA L

Assignee(s): E I DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND COMPANY

Inventor(s): (std): HAYES RICHARD ALLEN ; SMITH REBECCA L

Agent(s): E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER; KULLER MARK D

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: RECORDING SHEETS CONTAINING PHOSPHONIUM COMPOUNDS

Abstract: Disclosed is a recording sheet which comprises a base sheet, a phosphonium compound, an optional pigment, and an optional binder. Also disclosed are a process which comprises applying an aqueous recording liquid to the recording sheet in an imagewise pattern and a printing process which comprises (1) incorporating into an **ink** jet printing apparatus containing an aqueous **ink** the aforementioned recording sheet, and (2) causing droplets of the **ink** to be ejected in an imagewise pattern onto the recording sheet, thereby generating images on the recording sheet.

Classifications:

International (IPC 8-9): B41M5/00 B41M5/50

B41M5/52 (Advanced/Invention);

B41M5/00 B41M5/50 (Core/Invention)

International (IPC 1-7): B41J2/01 B41M1/30 B41M5/00

CPC: Y10T428/24934 B41M5/5227

European: B41M5/00J3 B41M5/52D

US: 347/105 428/195 428/211 428/211.1 428/32.1 428/704

JP F-Term: 2H086 2H086/BA19 2H086/BA21 2H086/BA33

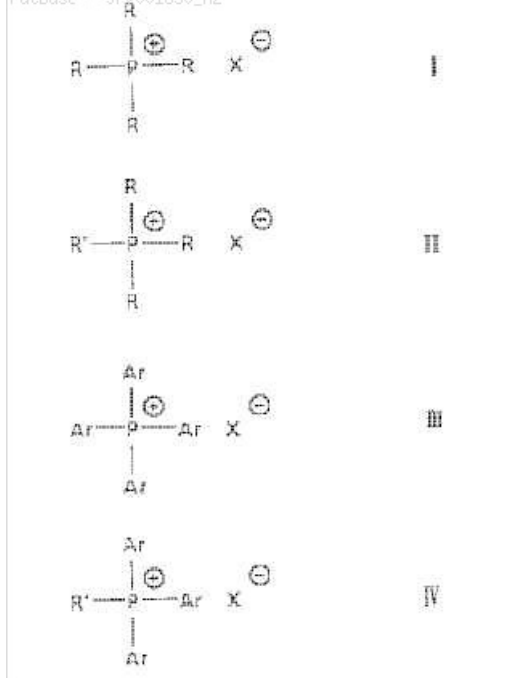
2H086/BA34 2H086/BA37 2H186 2H186/BA09 2H186/DA05

2H186/DA14 2H186/DA20

JP F-Index: B41M5/00/B B41M5/00/110 B41M5/50/120

B41M5/52/100

PatBase - JP7001830_A2



Family:

Publication number	Publication date	Application number	Application date
DE69400719 D1	19961121	DE19946000719	19940310
DE69400719 T2	19970320	DE19946000719T	19940310
EP0615853 A1	19940921	EP19940301729	19940310
EP0615853 B1	19961016	EP19940301729	19940310
JP3483607 B2	20040106	JP19940042064	19940314
JP7001830 A2	19950106	JP19940042064	19940314
US5760809 A	19980602	US19930034917	19930319

Priority:

US19930034917 19930319

Probable Assignee: XEROX CORP

Assignee(s): (std): XEROX CORP

Assignee(s): XEROX CORP ROCHESTER N Y US ; BANK ONE NA ADMINISTRATIVE AGENT AS ; BANK ONE NA AS ADMINISTRATIVE AGENT ; JPMORGAN CHASE BANK AS COLLATERAL AGENT ; JPMORGAN CHASE BANK COLLATERAL AGENT AS

Inventor(s): (std): BURENTO ESU BURAIANTO ; DORISU KEI WAISU ; SHIYADEII ERU MARUHOTORA ; WEISS DORIS K ; MALHOTRA SHADI L ; BRYANT BRENT S

Inventor(s): BRYANT BRENT S MILTON ONTARIO L9T 2X7 CA ; WEISS DORIS K ETOBICOKE ONTARIO M9A 3B3 CA ; MALHOTRA SHADI L MISSISSAUGA ONTARIO L5L 2A6 CA

Agent(s): NAKAMURA MINORU; OHTSUKA FUMIAKI; SHISHIDO KAICHI; TAKEUCHI HIDETO; IMASHIRO TOSHIO; OGAWA NOBUO; MURAKOSO HIROO

Designated states: DE FR GB

Title: UNIQUE IDENTIFIER AND HIGH SECURITY DEVICE RELATED TO SAID UNIQUE IDENTIFIER

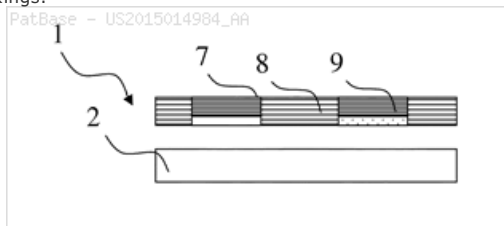
Abstract: Marking of a substrate, comprising a mono-dimensional and/or bidimensional code and a distribution of flakes, the flakes being the same or different, the distribution of flakes at least partially overlapping the mono-dimensional and/or bidimensional code. Also, provided are items or goods including one or more markings, methods of making the marking and methods of using the marking as well as container including the markings.

Classifications:

International (IPC 8-9): B42D25/36 B42D25/405 B42D25/47
G06K19/06 G06K19/08 G06K9/00 (Advanced/Invention)

CPC: B42D25/36 B42D25/405 B42D25/47 G06K19/06046
G06K19/06084 G06K19/0614 G06K19/086 Y10T428/24752

US: 156/277 283/81 428/189



Family:

Publication number	Publication date	Application number	Application date
AR097137 AA	20160224	AR2014P102533	20140708
TW201522101 A	20150616	TW20140120722	20140616
US2015014984 AA	20150115	US20140327016	20140709
WO15004128 A1	20150115	WO2014EP64592	20140708

Priority:

US20130844695P 20130710 WO2013EP65333 20130719 US20140327016 20140709

Probable Assignee: SICPA HOLDING SA

Assignee(s): (std): SICPA HOLDING SA

Inventor(s): (std): DECOUX ERIC ; JAUZEIN TRISTAN

Agent(s): CASALONGA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INKJET RECORDING MEDIUM AND METHOD OF PRODUCING SAME

Abstract: The present invention provides an inkjet recording medium having at least an **ink**-receiving layer, the **ink**-receiving layer containing at least fumed silica, a hydroxycarboxylic **acid** ester having the I/O value of 1.5 or more as determined in accordance with an organic conceptual diagram, and a polyvinyl alcohol, and an amount of the hydroxycarboxylic **acid** ester with respect to 1 kg of the fumed silica in the **ink**-receiving layer being from 0.1 moles to 2 moles. The present invention further provides an inkjet recording medium having at least a support and an **ink**-receiving layer provided on the support, the **ink**-receiving layer containing at least a chloride ion-containing zirconium salt, a water-soluble aluminum salt, a hydroxy **acid** derivative, inorganic fine particles, and a water-soluble resin.

Classifications:

International (IPC 8-9): B05D1/36 B41J2/01 B41J3/407 B41M5/00 B41M5/50 B41M5/52 (Advanced/Invention)

CPC: B41M5/5227

European: B41M5/52D

US: 347/106 347/106P 427/419.1 427/419.100S

JP F-Term: 2C056 2C056/EA04 2C056/EA13 2C056/FC06 2H186 2H186/AB09 2H186/AB12 2H186/BA11 2H186/BB14 2H186/BB19 2H186/BB24 2H186/BB32 2H186/BC02 2H186/BC26 2H186/BC34 2H186/BC35 2H186/BC36 2H186/BC54 2H186/DA13 2H186/BB28 2H186/BB52 2H186/BC03 2H186/BC05 2H186/CA04

JP F-Index: B41J2/01/501 B41J3/04/101/Y B41M5/00/B B41M5/00/134 B41M5/50/120 B41M5/52/100 B41M5/52/110

Family:

Publication number	Publication date	Application number	Application date
JP2011056820 A2	20110324	JP20090209816	20090910
JP2011073169 A2	20110414	JP20090224453	20090929
US2011058006 AA	20110310	US20100874237	20100902
US8287121 BB	20121016	US20100874237	20100902

Priority:

JP20090209816 20090910 JP20090224453 20090929

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; KOBAYASHI MASAMICHI

Inventor(s): (std): KOBAYASHI MASAMICHI

Agent(s): SOLARIS INTELLECTUAL PROPERTY GROUP PLLC

Title: **INK** JET FLUID COMPOSITION AND **INK** JET PRINTING USING SAME

Abstract: Provided is an **ink** jet fluid composition which comprises a liquid carrier medium and at least one transition metal complex reactive component. Upon **ink** jet printing and subsequent exposure to an energy source, a durable and water-insoluble layer is formed. Such an **ink** jet fluid composition and printing process can be advantageously used to produce durable and water-insoluble imaging elements.

Classifications:

International (IPC 8-9): B41C1/10 B41J3/407 B41M7/00 C09D11/00 C09D11/02 (Advanced/Invention); B41C1/10 B41J3/407 B41M7/00 C09D11/00 C09D11/02 (Core/Invention); B41C (Subclass/Invention)

International (IPC 1-7): B41C B41C1/10 B41J2/17 C09D11/02

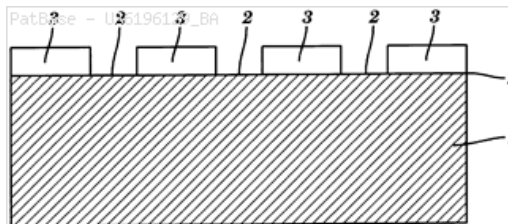
CPC: B41M7/0081 B41M7/009 C09D11/38 B41C1/1008 B41C1/1016 B41C1/1033 B41C1/1066 B41C2201/04 B41C2210/02 B41C2210/08 B41C2210/24

European: B41C1/10A B41C1/10A1 B41C1/10N B41M7/00R C09D11/38 L41C1/10A4 L41C1/10N

US: 101/454 101/460 101/463.1 101/465 101/467 106/31.13 106/31.27 106/31.35 106/31.58 106/31.6 106/31.67 106/31.86 347/100 347/101 347/102 347/102S 347/96 347/96P 430/302

JP F-Term: 2H084 2H084/AA25 2H084/AA36 2H084/BB02 2H084/BB04 2H084/BB13 2H084/CC05

JP F-Index: B41C1/10



Family:

Publication number	Publication date	Application number	Application date
AT249924 E	20031015	AT19970928629T	19970513
AU199732836 A1	19971205	AU19970032836	19970513
DE0900142 T1	19990916	DE19970928629T	19970513
DE69724949 D1	20031023	DE19976024949	19970513
DE69724949 T2	20040722	DE19976024949T	19970513
EP0900142 A2	19990310	EP19970928629	19970513
EP0900142 B1	20030917	EP19970928629	19970513
ES2207737 T3	20040601	ES19970928629T	19970513
IL127015 A0	19990922	IL19970127015	19970513
IL127015 A1	20010430	IL19970127015	19970513
IL138499 A0	20011031	IL19970138499	19970513
IL138499 A1	20040328	IL19970138499	19970513
JP2001519732 T2	20011023	JP19970541010T	19970513
JP3485934 B2	20040113	JP19970541010T	19970513
US2001007464 AA	20010712	US20010780910	20010209
US5738013 A	19980414	US19960645747	19960514
US5849066 A	19981215	US19980005410	19980109
US5971535 A	19991026	US19980145007	19980901
US6196129 BA	20010306	US19990271106	19990317
WO9743122 A2	19971120	WO1997US07987	19970513
WO9743122 A3	19971218	WO1997US07987	19970513

Priority:

US19960645747 19960514	IL19970127015 19970513	WO1997US07987 19970513
US19980005410 19980109	US19980145007 19980901	US19990271106 19990317
US19990406296 19990924	US20010780910 20010209	

Probable Assignee: NEW ENGLAND SCIENCE AND SPECIALTY PRODUCTS INC

Assignee(s): (std): NEW ENGLAND SCIENCE AND SPECIALT ; NEW ENGLAND SCIENCE AND SPECIALTY PRODUCTS INC ; NEW ENGLAND SCIENCES AND SPECIAL

Assignee(s): NEW ENGLAND SCIENCES AND SPECIALTY PRODUCTS INC ; SILICON VALLEY BANK ; SILICON VALLEY BANK LOAN DOCUMENTATION H ; TELEPHIA INC ; NEW ENGLAND SCIENCE AND SPECIALTY PRODUCT INC ; KELLETT RICHARD M ; NEW ENGLAND SCIENCE AND SPECIALITY PRODUCTS INC

Inventor(s): (std): KELLETT RICHARD M ; KELLETT M ; KELLETT RICHARD

Inventor(s): RICHARD M KELLETT

Agent(s): SANFORD TCOLB AND CO

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CN CU CZ DE DK EE ES FI FR GB GE GH GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK MN MW MX NL NO NZ PL PT RO RU SD SE SG SI SK SZ TJ TM TR TT UA UG UZ VN

Title: **INK** SET FOR INKJET RECORDING AND IMAGE FORMING METHOD

Abstract: An **ink** set for inkjet recording includes: an **ink** composition including a pigment, a water-soluble polymerizable compound, and water; and a maintenance liquid that has a pH higher than 8.5 and that includes water and a water-soluble organic solvent having an SP value higher than 27.5 MPa^{1/2}, the amount of water contained in the maintenance liquid being 50 percent by mass or more with respect to the total amount of the maintenance liquid, the amount of water-soluble organic solvent contained in the maintenance liquid having an SP value higher than 27.5 MPa^{1/2} being from 5 to 30 percent by mass with respect to the total amount of the maintenance liquid, and the amount of water-soluble organic solvent contained in the maintenance liquid having an SP value of 27.5 MPa^{1/2} or lower being less than 5 percent by mass with respect to the total amount of the maintenance liquid.

Classifications:

International (IPC 8-9): B41J2/01 B41J2/165 B41M5/00 C09D11/00 C09D11/101 C09D11/30 C09D11/38 C09D11/40 C09D11/54 (Advanced/Invention)

CPC: C09D11/30 B41J2/16552 C09D11/101 C09D11/38 C09D11/40 C09D11/54

US: 1/1 106/31.65 106/31.75 106/31.85 106/31.86 347/21

JP F-Term: 2C056 2C056/FC01 2H186 2H186/FB11 2H186/FB16 2H186/FB17 2H186/FB22 2H186/FB25 2H186/FB29 2H186/FB36 2H186/FB38 2H186/FB44 2H186/FB46 2H186/FB48 2H186/FB54 2H186/FB55 2H186/FB58 4J039 4J039/AD21 4J039/BC07 4J039/BC09 4J039/BC10 4J039/BC11 4J039/BE01 4J039/BE22 4J039/CA06 4J039/GA24

JP F-Index: B41J2/01/501 B41J3/04/101/Y B41M5/00/E B41M5/00/120 C09D11/00 C09D11/322 C09D11/326 C09D11/38

Family:

Publication number	Publication date	Application number	Application date
CN103709829 A	20140409	CN201310452880	20130927
CN103709829 B	20180112	CN201310452880	20130927
JP2014070201 A2	20140421	JP20120218840	20120928
US2014092168 AA	20140403	US20130016142	20130902
US9309422 BB	20160412	US20130016142	20130902

Priority:

JP20120218840 20120928

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD ; FUJIFILM CORP ; FUJIFILM HOLDINGS CORP

Inventor(s): (std): ITO ORIE ; KAORU TOJO ; TOJO KAORU ; ORIE ITO

Agent(s): SOLARIS INTELLECTUAL PROPERTY GROUP PLLC

Title: ABSORBENT PLASTIC PIGMENT WITH IMPROVED PRINT DENSITY AND RECORDING SHEET CONTAINING SAME

Abstract: A core/shell particle is provided, comprising: a water-absorbent, dye-fixing polymeric core, comprising: (a) a multivalent cation and a polymerization product of a monoethylenically unsaturated carbonyl-group containing monomer; (b) a nitrogen-containing polymer; or (c) a combination of (a) and (b); and a water-insoluble, porous polymeric shell, surrounding all or a portion of said core. A paper sizing or coating composition which incorporates the core/shell particles is provided. Recording sheets which include the composition, methods of making the composition and recording sheets, and methods for making an image are provided.

Classifications:

International (IPC 8-9): B01J20/26 B05D3/02 B41J2/015 B41M5/50 C08F265/00 C08F265/06 C08F283/00 C08F291/00 C08K9/04 C09D151/00 D21H17/33 D21H17/45 D21H19/32 D21H19/42 (Advanced/Invention)

CPC: D21H19/32 C08F265/06 C08F283/00 C08F291/00 C09D151/00 D21H17/33 D21H17/45 D21H19/42 B41M5/50

US: 1/1 347/20 427/385.5 428/32.36 502/402 523/206

Family:

Publication number	Publication date	Application number	Application date
US2013215184 AA	20130822	US20120399162	20120217
US9206552 BB	20151208	US20120399162	20120217
WO13122756 A1	20130822	WO2013US24348	20130201

Priority:

US20120399162 20120217

Probable Assignee: INT PAPER CO

Assignee(s): (std): BRADFORD TIMOTHY J ; INT PAPER CO ; KOENIG MICHAEL F

Inventor(s): (std): BRADFORD TIMOTHY J ; KOENIG MICHAEL F ; KOENING MICHAEL F

Agent(s): THOMAS W; ECKERT INGER H ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: BLACK AND WHITE PHOTOTHERMOGRAPHIC MATERIAL AND IMAGE FORMING METHOD

Abstract: The present invention provides a black and white photothermographic material having, on at least one surface of a support, an image forming layer containing at least a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent for silver ions, and a binder, wherein 70 percent or more of a total projected area of the photosensitive silver halide is occupied by tabular grains having an aspect ratio of 2.5 or more, a mean projected area equivalent diameter of 0.5 μm to 8 μm , and a mean grain thickness of 0.02 μm to 0.2 μm , and a ratio of a number of sites capable of forming a development initiation point on a corner portion or a fringe portion of the photosensitive silver halide grain to all development initiation points is 50 percent or more. Also disclosed is an image forming method of forming a radiation image by using a fluorescent intensifying screen.

Classifications:

International (IPC 8-9): G03C1/00 G03C1/498 G03C5/08 G03C5/16 (Advanced/Invention);

G03C5/17 (Advanced/Non-invention);

G03C1/00 G03C1/498 G03C5/08 G03C5/16 (Core/Invention);

G03C5/16 (Core/Non-invention)

International (IPC 1-7): G03C1/00 G03C1/498 G03C5/08

CPC: G03C1/49809 G03C1/49818 G03C1/49845 G03C1/49881 G03C5/17 G03C1/0051 G03C2001/0056 G03C2001/03511

G03C2001/03552

European: G03C1/498C S03C1/498B S03C1/498C S03C1/498E1 S03C1/498P S03C5/17

US: 430/348 430/350 430/617 430/618 430/619 430/619P 430/620

JP F-Term: 2H123 2H123/AB00 2H123/AB03 2H123/AB06 2H123/AB07 2H123/AB23 2H123/AB24 2H123/AB26 2H123/AB28

2H123/BA00 2H123/BA13 2H123/BB00 2H123/BB11 2H123/BB39 2H123/CB00 2H123/CB03

JP F-Index: G03C1/498 G03C1/498/501 G03C1/498/502 G03C5/08/351

Family:

Publication number	Publication date	Application number	Application date
JP2005301211 A2	20051027	JP20040304472	20041019
US2005208437 AA	20050922	US20040008202	20041210
US7105283 BB	20060912	US20040008202	20041210

Priority:

JP20040078776 20040318 JP20040304472 20041019

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD

Assignee(s): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; FUJI PHOTO FILM CO

Inventor(s): (std): OHZEKI TOMOYUKI ; OZEKI TOMOYUKI

Agent(s): TAIYO CORP; MARGARET A; SHELDON J

Title: PIGMENT FOR USE IN INKJET RECORDING MEDIUM COATINGS AND METHODS

Abstract: Pigment suitable for use in coating compositions for inkjet recording media. Surfaces of an inorganic particulate are interacted with a water-soluble polyvalent metal salt in an aqueous medium. The treated particle surfaces have a significant cationic surface charge imparted to them. The salt is a salt of a metal of Group II or Group III of the Periodic Table. Inkjet recording media treated with a coating composition containing the above pigment provide high density, fast-drying, and non-feathering **ink** images with suitable water fastness, while the coating compositions also offer cost advantages and improved rheology at higher pigment levels over coatings based on silica pigments.

Classifications:

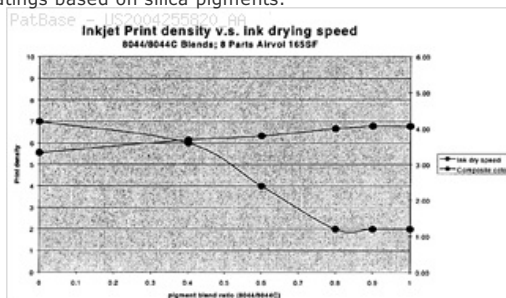
International (IPC 8-9): B41M5/00 B41M5/10 B41M5/40 B41M5/52 B60C1/00 C04B14/00 C04B14/04 C04B24/26 C04B26/06 C08F297/02 C08L29/04 C08L31/00 C09B67/10 C09C1/02 C09C1/40 C09C1/42 C09C3/06 C09D1/00 C09D11/00 C09D11/02 D21H19/38 (Advanced/Invention); B41M5/00 (Advanced/Non-invention); B41M5/00 B41M5/10 B41M5/40 B41M5/50 B60C1/00 C04B14/00 C04B14/02 C04B24/00 C04B26/00 C08F297/00 C08L29/00 C08L31/00 C09B67/00 C09C1/02 C09C1/40 C09C3/06 C09D11/00 D21H19/00 (Core/Invention); B41M5/00 (Core/Non-invention)

International (IPC 1-7): B41M5/00 B41M5/52 C09D11/00

CPC: C01P2006/60 B41M5/52 B41M5/5218 B41M5/5236 B41M5/5245 B41M5/5254 C01P2004/53 C01P2004/61 C01P2004/62 C01P2006/12 C01P2006/22 C09C1/021 C09C1/028 C09C1/407 C09C1/42

European: B41M5/00 B41M5/52 C09C1/02B C09C1/02H C09C1/40F C09C1/42 L41M5/52C L41M5/52G L41M5/52H L41M5/52K M01P4/53 M01P4/61 M01P4/62 M01P6/12 M01P6/22

US: 106/31.13 106/461 106/464 106/486 106/487 428/32.1 428/32.2 428/32.24 428/32.3 524/437 524/556 524/557 524/563 524/571 524/577



Family:

Publication number	Publication date	Application number	Application date
AU2004253851 AA	20050113	AU20040253851	20040408
BRPI0411584 A	20060808	BR2004PI11584	20040408
BRPI0411584 B1	20150224	BR2004PI11584	20040408
CA2529769 AA	20051216	CA20042529769	20040408
CA2529769 C	20100316	CA20042529769	20040408
CN1826394 A	20060830	CN200480021229	20040408
EP1641890 A2	20060405	EP20040749947	20040408
EP1641890 A4	20060726	EP20040749947	20040408
IN02660KN2005 A	20070330	IN2005KN02660	20051221
IN223034 B	20080905	IN2005KN02660	20051221
PL379423 A1	20060904	PL20040379423	20040408
RU2006101282 A	20060627	RU20060101282	20040408
RU2311432 C2	20071127	RU20060101282	20040408
US2004255820 AA	20041223	US20030462779	20030617
US2007014941 AA	20070118	US20060523964	20060920
US7172651 BB	20070206	US20030462779	20030617
US7377975 BB	20080527	US20060523964	20060920
WO05003240 A2	20050113	WO2004US11045	20040408
WO05003240 A3	20050602	WO2004US11045	20040408

Priority:

US20030462779 20030617 WO2004US11045 20040408 US20060523964 20060920

Probable Assignee: KAMIN LLC

Assignee(s): (std): GIDDENS RICKY L ; HUBER CORP J M ; J M HUBBER CORP ; CARTER RICHARD D ; CHEN CHING YIH ; DZH M KH JUBER CORP

Assignee(s): DZH M KH JUBER KOPPOREJSHN ; JM HUBER CORP ; JM HUBBER CORP ; JPMORGAN CHASE BANK NA ; J M HUBER CORP ; KAMIN LLC ; WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATI ; WELLS FARGO BANK NATIONAL ASSOCIATION ADMINISTRATIVE AGENT AS ; KAMIN LLC822 HUBER ROADMACONGA31217US ; JM HUBER CORP1000-1000 PARKWOOD CIRCLEATLANTAGA30339US

Inventor(s): (std): CHEN CHING YIH ; CHEN CHING YIH GIDDENS RICKY L ; CARTER RICHARD D ; GIDDENS RICKY L ; RICKY L GIDDENS ; RICHARD D CARTER ; KARTER RICHARD D ; GIDDENS RIKKI L ; CHING YIH CHEN ; CHEHN CHING JI

Inventor(s): CARTER RICHARD ; CHEM CHING YIH ; CHEHN CHING-JI ; GIDDENS RICKYL ; GIDDENS RICKY LUS ; CARTER RICHARD DUS ; CHEN CHING YIHUS ; GIDDENS RICKY

Agent(s): PHILLIPS ORMONDE FITZPATRICK; MOFFAT AND CO; J M HUBER CORP; CARLOS; RAYMOND R; WILLIAM; PARKS WILLIAM

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: PHOTOTHERMOGRAPHIC MATERIAL AND IMAGE FORMING METHOD

Abstract: The present invention provides a photothermographic material having, on at least one side of a support, at least an image forming layer containing a photosensitive silver halide, a non-photosensitive organic silver salt, and a reducing agent for the organic silver salt, and at least one non-photosensitive layer, wherein the material contains a water-soluble magenta dye, and also provides an image forming method.

Classifications:

International (IPC 8-9): G03C1/00 G03C1/498 G03C1/76 G03C5/16 (Advanced/Invention);
G03C1/00 G03C1/498 G03C1/76 G03C5/16 (Core/Invention)

International (IPC 1-7): G03C1/00

CPC: G03C1/49854 G03C1/49872 G03C1/49881 G03C8/4086 G03C2001/7628

European: G03C1/498E1A S03C1/498F S03C1/498P

US: 430/350 430/513 430/516 430/517 430/519 430/522 430/523 430/554 430/558 430/561 430/563 430/619 430/619P

JP F-Term: 2H123 2H123/AB00 2H123/AB03 2H123/AB23 2H123/AB25 2H123/BA00 2H123/BA43 2H123/BA47 2H123/BA48
2H123/BB00 2H123/BB25 2H123/BB39 2H123/CB00 2H123/CB03

JP F-Index: G03C1/498 G03C1/498/501 G03C1/498/502 G03C1/76/351

Family:

Publication number	Publication date	Application number	Application date
JP2006154714 A2	20060615	JP20050082806	20050322
US2005208438 AA	20050922	US20040023670	20041229
US7223528 BB	20070529	US20040023670	20041229

Priority:

JP20040083697 20040322 JP20040316846 20041029 JP20050082806 20050322

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD ; FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; INOUE RIKIO ; YAMAMOTO SEIICHI ; SUGAI MASA HARU

Inventor(s): (std): INOUE RIKIO ; SUGAI MASA HARU ; SUGAI SHOJI ; YAMAMOTO SEIICHI

Agent(s): TAIYO CORP; MARGARET A; SHELDON J

Title: **INK**-RECEIVING LAYERS FOR **INK**-JET RECORDING ELEMENTS

Abstract: An **ink**-jet recording element is provided comprising a polymeric film substrate or a resin coated paper substrate and coated thereon an **ink**-receiving layer comprising a synthetic clay. Preferably said synthetic clay is a synthetic layered sodium lithium magnesium silicate.

Classifications:

International (IPC 8-9): B41M5/50 B41M5/52 (Advanced/Invention);

B41M5/50 (Core/Invention)

International (IPC 1-7): B41M5/00

CPC: B41M5/508 B41M5/5218 B41M5/5227 B41M5/5236 B41M5/5254

European: B41M5/00J2 B41M5/50B6 B41M5/52C L41M5/52D L41M5/52G L41M5/52K

Family:

Publication number	Publication date	Application number	Application date
EP0732218 A1	19960918	EP19950200629	19950316

Priority:

EP19950200629 19950316

Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT NV

Assignee(s): AGFA GEVAERT NAAMLOZE VENNOOTSCHAP

Inventor(s): (std): VERMEULEN LEO ; VANDENABEELE HUBERT ; DESIE GUIDO

Designated states: DE

Title: PRODUCTION METHOD OF ENCAPSULATED MATERIAL, AND ENCAPSULATED MATERIAL

Abstract: A method for producing an encapsulated material in which a core substance having an electric charge on its surface is coated with a wall material mainly comprising a polymer, wherein the wall material polymer is formed by a specific process.

Classifications:

International (IPC 8-9): B01J13/02 B01J13/04 B01J13/14 B82Y20/00 B82Y30/00 B82Y40/00 C08J3/28 C08J5/00 C09C3/10 C09D11/00 C09D11/322 C09D11/324 C09D11/326

C09D11/38 (Advanced/Invention);

C09D11/00 (Advanced/Non-invention);

B01J13/04 C08J3/28 C08J5/00 C09C3/10 (Core/Invention);

C09D11/00 (Core/Non-invention)

CPC: C08F292/00 C08L51/003 C08L51/10 C08L53/00 C09D151/003 C09D151/10 C09D153/00

European: C08F292/00 C08L51/00B C08L51/10 C08L53/00

C09D151/00B C09D151/10 C09D153/00

US: 522/71 522/71P 524/700 524/700S

JP F-Term: 3C082 4G005 4G005/AA02 4G005/AB15 4G005/BA01 4G005/BB01 4G005/BB06 4G005/BB08 4G005/BB13 4G005/BB20 4G005/BB22 4G005/DB27/X 4G005/DC15/W 4G005/DD12/Z 4G005/DD53/Z 4G005/DD56/Z 4G005/DD58/Z 4G005/DE08/X 4G005/EA06 4G005/EA08 4J037 4J037/AA02 4J037/AA15 4J037/AA18 4J037/AA22 4J037/CC11 4J037/EE03 4J037/EE12 4J039 4J039/BA04 4J039/BC07 4J039/BE01 4J039/BE22 4J039/CA11 4J039/GA24

JP F-Index: B01J13/02/A B01J13/14 B82Y20/00 B82Y30/00 B82Y40/00 C09C3/10 C09D11/00 C09D11/322 C09D11/324 C09D11/326 C09D11/38

PatBase - US2008182917_AA

Parent Application Publications Jul. 31, 2008 Sheet 1 of 4 US 2008/0182917 A1

FIG. 1

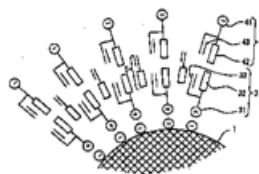
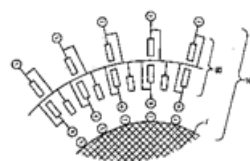


FIG. 2



Family:

Publication number	Publication date	Application number	Application date
JP2008179686 A2	20080807	JP20070013442	20070124
JP5239164 B2	20130717	JP20070013442	20070124
US2008182917 AA	20080731	US20080011013	20080123

Priority:

JP20070013442 20070124

Probable Assignee:

SEIKO EPSON CORP

Assignee(s): (std):

SEIKO EPSON CORP

Inventor(s): (std):

MIYABAYASHI TOSHIYUKI

Agent(s):

LADAS AND PARRY LLP

Title: CALCIUM PHOSPHATE BASE PARTICULATE COMPOUND, PROCESS FOR PRODUCING THE SAME AND COMPOSITION COMPRISING THE COMPOUND

Abstract: A calcium phosphate base particulate compound is provided which satisfies (a) 20 less than or equal to Sw less than or equal to 300 (BET specific surface area (m^2/g); (b) 1 less than or equal to Tg less than or equal to 150 (heat loss (mg/g) per 1 g of calcium phosphate from 250 to 500 degrees centigrade); (c) 0.005 less than or equal to Dx50 less than or equal to 0.5 (cumulative 50 percent average diameter (μm) counted from larger particle side based on the observation by TEM); and (d) 1.5 less than or equal to Dx50/sigmax less than or equal to 20 (sigmax: standard deviation $\{\ln(\text{Dx16}/\text{Dx50})\}$). The calcium phosphate base particulate compound of the present invention is excellent not only in particulate evenness and dispersibility but in thermal stability, and gives a resin composition excellent in anti-blocking property, a resin composition excellent in printing suitability, and a food composition such as good taste calcium-enriched milk with less precipitation.

Classifications:

International (IPC 8-9): A23K1/175 A23L1/304 A23P1/00 C01B25/32 C08K3/32 C08L101/00 (Advanced/Invention); A23C9/152 A23P1/00 C01B25/32 C08K3/32 C08L101/00 (Advanced/Non-invention); A23K1/175 C01B25/00 C08K3/00 (Core/Invention)

International (IPC 1-7): A23P1/00 C01B25/32 C08K3/32 C08L101/00

CPC: C01P2004/04 C01P2004/60 C01P2006/12 C01P2006/13 C01P2006/22 C08K2003/325 C08K3/32 C01B25/32

European: C01B25/32 C08K3/32 M01P4/04 M01P4/60 M01P6/12 M01P6/13 M01P6/22 M08K3/32A4

US: 426/74 426/74P

JP F-Term: 4B001 4B001/AC06 4B001/AC46 4B001/EC05 4B001/EC53 4B018 4B018/LB07 4B018/LB08 4B018/MD04 4B018/ME02 4G071 4J002 4J002/BE02 4J002/CF06 4J002/CG00 4J002/CK02 4J002/DH04 4J002/FD20 4J002/GK03

JP F-Index: A23C9/152 A23L1/304 A23L33/10 A23L33/16 C01B25/32/B C01B25/32/P C08K3/32 C08L101/00



Family:

Publication number	Publication date	Application number	Application date
AU2003289165 AA	20040709	AU20030289165	20031204
JP2004054925 A1	20060420	JP20040560606T	20031204
JP4823524 B1	20111124	JP20040560606T	20031204
JP4823524 B2	20111124	JP20040560606	20031204
KR101080187 B1	20111107	KR20057009275	20031204
KR20050089150 A	20050907	KR20057009275	20031204
US2006013921 AA	20060119	US20050537376	20050603
WO04054925 A1	20040701	WO2003JP15512	20031204

Priority:

JP20020352137 20021204 JP20040560606 20031204 WO2003JP15512 20031204

Probable Assignee: MARUO CALCIUM CO LTD

Assignee(s): (std): AOYAMA MITSUNOBU ; KASAHARA HIDEMITSU ; MARUO CALCIUM ; YOSHINO HIDETAKE

Assignee(s): MARUO CALCIUM CO LTD ; MARUO CALCIUM COMPANY LIMITED

Inventor(s): (std): AOYAMA MITSUNOBU ; KASAHARA HIDEMITSU ; YOSHINO HIDETAKE

Inventor(s): MITSUNOBU AOYAMA ; HIDEMITSU KASAHARA ; HIDETAKE YOSHINO

Agent(s): ARMSTRONG KRATZ QUINTOS HANSON AND BROOKS LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SILVER HALIDE COLOR PHOTOGRAPHIC MATERIAL, AND METHOD OF IMAGE FORMATION

Abstract: Provided is a silver halide color photographic material having at least one yellow-coloring photosensitive silver halide emulsion layer, at least one magenta-coloring photosensitive silver halide emulsion layer, at least one cyan-coloring photosensitive silver halide emulsion layer, and at least one non-photosensitive non-coloring hydrophilic colloid layer on a reflective support, wherein, after being color developed, the reflection density A(λ) at a wavelength of λ nm in the non-exposed portion of the material is at most 0.07 at 450 nm, at most 0.09 at 550 nm and at most 0.07 at 650 nm and the mean grain size of the silver halide grains in the yellow-coloring photosensitive silver halide emulsion layer in the material is at most 0.70 μ m.

Classifications:

International (IPC 8-9): G03C1/035 G03C1/06 G03C1/09 G03C1/12 G03C1/14 G03C1/16 G03C1/18 G03C1/20 G03C1/46 G03C1/74 G03C1/83 G03C5/08 G03C7/00 G03C7/20 G03C7/30

G03C7/407 (Advanced/Invention);

G03C1/08 G03C1/09 G03C1/14 G03C1/16

G03C7/407 (Advanced/Non-invention);

G03C1/035 G03C1/06 G03C1/09 G03C1/12 G03C1/14 G03C1/46

G03C1/74 G03C1/83 G03C5/08 G03C7/00 G03C7/20 G03C7/30

G03C7/407 (Core/Invention);

G03C1/08 G03C1/09 G03C1/14 G03C7/407 (Core/Non-invention)

International (IPC 1-7): G03C1/035 G03C1/12 G03C1/14 G03C1/16

G03C1/18 G03C1/20 G03C1/74 G03C10/35 G03C5/08 G03C7/00

G03C7/20 G03C7/407

CPC: Y10S430/164 G03C7/3022 G03C1/08 G03C1/09 G03C1/14

G03C1/16 G03C7/3041 G03C7/407 G03C2001/03517

G03C2001/03535 G03C2001/03594 G03C2001/093 G03C2007/3025

G03C2200/27 G03C2200/52

European: G03C7/30L G03C7/30S S03C1/08 S03C1/09 S03C1/14

S03C1/16 S03C7/30L S03C7/30S S03C7/407

US: 430/383 430/384 430/385 430/388 430/505 430/567 430/567P

430/583 430/583S 430/584 430/584S 430/588 430/588S 430/604

430/963

JP F-Term: 2H016 2H016/AB00 2H016/AB03 2H016/BB01

2H016/BC01 2H023 2H023/BA00 2H023/BA03 2H016/BA00

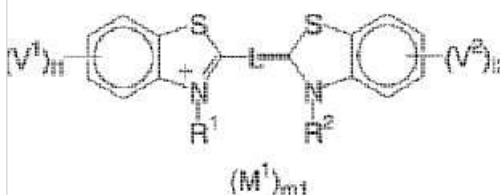
2H016/BM10 2H023/CA07

JP F-Index: G03C1/035/B G03C1/035/C G03C1/035/L G03C1/09

G03C1/74 G03C1/83 G03C7/00/520 G03C7/20 G03C1/035/G

G03C1/14 G03C1/16 G03C7/407

PatBase - JP4315623_B2



Family:

Publication number	Publication date	Application number	Application date
CN1266540 C	20060726	CN20021020100	20020523
CN1387086 A	20021225	CN20021020100	20020523
JP2003043644 A2	20030213	JP20020117881	20020419
JP2003107639 A2	20030409	JP20010296318	20010927
JP4185308 B2	20081126	JP20020117881	20020419
JP4315623 B2	20090819	JP20010296318	20010927
US2003087210 AA	20030508	US20020151918	20020522
US7166422 BB	20070123	US20020151918	20020522

Priority:

JP20010154680 20010523

JP20010296318 20010927

JP20020117881 20020419

Probable Assignee: FUJIFILM HOLDINGS CORP

Assignee(s): (std): FUJI PHOTO FILM CO LTD

Assignee(s): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; FUJI PHOTO FILM CO

Inventor(s): (std): NAKAHIRA SHINICHI ; OHSHIMA NAOTO ; SHIBATA NAOYA ; SHIN SOESHIMA ; SHINICHI NAKADAIRA ; SOEJIMA SHIN ; YONEYAMA HIROYUKI ; SOESHIMA SHIN ; NAKADAIRA SHINICHI ; KOMEYAMA HIROYUKI ; SOEJIMA SUSUMU ; OSHIMA NAOTO ; HIROYUKI KOMEYAMA ; HIROYUKI NAKADAIRA SHINICHI SO

Inventor(s): NAKADAIRA SHINICHI SOESHIMA SHIN KOMEYAMA HIROYUKI

Agent(s): SUGHRUE MION PLLC

Title: COMPOSITION, RESIST FILM, PATTERN FORMING METHOD, AND INKJET RECORDING METHOD

Abstract: An embodiment of the composition contains any of compounds of the formula A-LG in which A represents any of residues of general formula (A-1) below and LG represents any of groups that are cleaved to generate **acids** of the formula A-H when acted on by an **acid**. The composition further contains at least one of a compound that generates an **acid** when exposed to actinic rays or radiation and a compound that generates an **acid** when heated.

Classifications:

International (IPC 8-9): B41J2/01 C07C233/00 C07C311/09
C07C311/48 C07C311/51 C07D317/14 C07D317/58 C07D317/72
C07D319/06 C07D405/12 C09D201/02 C09D5/25 G03F7/00
G03F7/004 G03F7/038 G03F7/039 G03F7/20 (Advanced/Invention);
G03F7/20 (Advanced/Non-invention)

CPC: C07D317/14 C07C311/48 C07D317/58 C07D317/72
C07D319/06 C07D405/12 G03F7/0045 G03F7/0382 G03F7/0392
G03F7/2041

European: C07C311/48 C07D317/14 C07D317/58 C07D317/72 C07D319/06 C07D405/12 G03F7/004D G03F7/038C
G03F7/039C S03F7/20F

US: 347/102 347/102P 347/105 430/270.1 430/270.100S 430/322 430/322S 546/207 546/207S 549/341 549/341S 549/373
549/373S 549/443 549/443S 549/451 549/451S 560/150 560/150S 564/123 564/80 564/82 564/82S

JP F-Term: 2H025 2H125 2H125/AE03 2H125/AE04 2H125/AE05 2H125/AF17 2H125/AF21 2H125/AF33 2H125/AF38
2H125/AF45 2H125/AF51 2H125/AF70 2H125/AH15 2H125/AH17 2H125/AJ13 2H125/AJ14 2H125/AJ55 2H125/AJ59
2H125/AJ65 2H125/AJ69 2H125/AM12 2H125/AM16 2H125/AM23 2H125/AM27 2H125/AM32 2H125/AN39 2H125/AN42
2H125/AN45 2H125/AN54 2H125/AN57 2H125/AN61 2H125/AN67 2H125/AN86 2H125/BA01 2H125/BA26 2H125/BA32
2H125/BA33 2H125/CA12 2H125/CB08 2H125/CB12 2H125/CB16 2H125/CC01 2H125/CC03 2H125/CC15 2H125/CC17
2H225 2H225/AE03 2H225/AE04 2H225/AE05 2H225/AF23 2H225/AF24 2H225/AF25 2H225/AF27 2H225/AF29 2H225/AF35
2H225/AF42 2H225/AF52 2H225/AF53 2H225/AF54 2H225/AF62 2H225/AF64 2H225/AF67 2H225/AF70 2H225/AF75
2H225/AF81 2H225/AF91 2H225/AF99 2H225/AH15 2H225/AH17 2H225/AJ13 2H225/AJ54 2H225/AJ59 2H225/AL01
2H225/AL02 2H225/AL03 2H225/AL27 2H225/AM12 2H225/AM16 2H225/AM23 2H225/AM27 2H225/AM32 2H225/AN39
2H225/AN42 2H225/AN45 2H225/AN54 2H225/AN57 2H225/AN61 2H225/AN67 2H225/AN86 2H225/BA01 2H225/BA25
2H225/BA26 2H225/BA29 2H225/BA32 2H225/BA33 2H225/CA12 2H225/CB08 2H225/CB14 2H225/CB18 2H225/CC01
2H225/CC03 2H225/CC15 2H225/CC17 4H006 4H006/AA03 4H006/AB80 4J038 4J038/GA08 4J038/GA13 4J038/NA21
4J038/PA17 4J038/PB09

JP F-Index: C07C311/48 C07C311/51 C09D201/02 C09D5/25 G03F7/004/503/Z G03F7/039/601

Family:

Publication number	Publication date	Application number	Application date
JP2011093856 A2	20110512	JP20090250886	20091030
JP5548427 B2	20140716	JP20090250886	20091030
US2011102528 AA	20110505	US20100914762	20101028
US8808961 BB	20140819	US20100914762	20101028

Priority:

JP20090250886 20091030

Probable Assignee: FUJIFILM HOLDINGS CORP

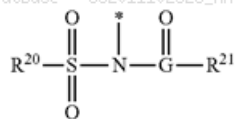
Assignee(s): (std): FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; ITO TAKAYUKI ; KAWABATA TAKESHI ; TSUCHIMURA TOMOTAKA

Inventor(s): (std): ITO TAKAYUKI ; KAWABATA KENJI ; TSUCHIMURA TOMOTAKA ; KAWABATA TAKESHI

Agent(s): SUGHRUE MION PLLC

PatBase - US2011102528_AA

(A-1)



Title: COATING FORMULATION FOR PRINTING PLATE PRECURSOR, PRINTING PLATE PRECURSOR, PRINTING PRESS, FABRICATION PROCESS OF PRINTING PLATE, AND REGENERATION PROCESS OF PRINTING PLATE

Abstract: Disclosed are a printing plate precursor, a fabrication process of the printing plate precursor, a fabrication process of a printing plate, a regeneration process of the printing plate, a printing press, and a coating formulation for the printing plate precursor. According to the present invention, a printing plate can be fabricated directly from digital data, and sufficient image quality can be obtained without a developing step, i.e., a developer. To permit repeated use of the precursor, the precursor has a surface, which contains a photocatalyst and is capable of showing hydrophilicity when exposed to activating light having energy higher than band gap energy of the photocatalyst. A coating formulation-which comprises fine particles of a thermoplastic resin having both a property that the particles unite to the surface when heated and a property that the particles decompose under action of the photocatalyst when exposed to activating light having energy higher than band gap energy of the photocatalyst-is applied as a hydrophobizing agent onto the surface. At least a part of the surface of the precursor is heated such that the fine particles applied on the part of the surface are fixed to form a hydrophobic image area. The fine particles applied on the remaining part of the surface with the image area formed thereon are then removed.

Classifications:

International (IPC 8-9): B01J35/02 B41C1/00 B41C1/055 B41C1/10 B41F35/00 B41F35/02 B41N1/00 B41N1/14 B41N3/00 G03F7/00 G03F7/004 G03F7/032 G03F7/04 G03F7/11

G03F7/42 (Advanced/Invention);
B01J35/00 B41C1/00 B41C1/055 B41C1/10 B41F35/00 B41N1/00 B41N1/12 B41N3/00 G03F7/00 G03F7/004 G03F7/032 G03F7/04 G03F7/11 G03F7/42 (Core/Invention)

International (IPC 1-7): B01J35/02 B32B5/16 B41C1/00 B41C1/055 B41C1/10 B41F35/00 B41F35/02 B41N1/14 B41N3/00 G03F7/00 G03F7/004 G03F7/032 G03F7/11 G03F7/42

CPC: Y10S430/165 B41N3/006 B41C1/1025 B41P2227/70 B41C2201/04 B41C2201/10 B41C2201/14 B41C2210/04 B41C2210/08 B41C2210/24 B41C2210/262 B41C2210/266 Y10T428/1393 Y10T428/254 Y10T428/31931 Y10T428/31935

European: B41C1/10A2 B41N3/00B L41P227/700

US: 101/453 101/463.1 428/327 428/36.91 428/521 428/522 430/270.1 430/281.1 430/302 430/964

JP F-Term: 2H025 2H025/AA04 2H025/AA12 2H025/AB03

2H025/AC08 2H025/AD03 2H025/BH03 2H025/BJ03 2H025/CB54

2H025/CC11 2H025/CC20 2H084 2H084/AA13 2H084/AA14

2H084/AA36 2H084/AE05 2H084/CC05 2H096 2H096/AA06

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2H114/DA08 2H114/DA21 2H114/DA47 2H114/DA48 2H114/DA50

2H114/DA51 2H114/DA52 2H114/DA59 2H114/DA60 2H114/EA01

2H114/EA08 2H114/GA01 2H114/GA29 2H125 2H125/AM13

2H125/AM22 2H125/AN13 2H125/AN92 2H125/AP01 2H125/AP08

2H125/AP11 2H125/BA12 2H125/BA34 2H125/CA04 2H125/CB01

2H125/CC01 2H125/CD21 2H125/CD40 2H125/FA09 2H196

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2H025/DA40 2H025/FA03

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2H196/LA16 2H225/BA01 2H225/BA31 2H025/AA14 2H025/AA15 2H025/AA16

2H025/AA17 2H025/BB00 2H025/BH02

2H025/DA39 2H096/BA13 2H096/DA01 2H096/DA02 2H096/GA60 2H114/AA27

2H114/AA28 2H114/DA04 2H114/DA15

2H114/DA73 2H114/FA16 2H114/GA28 2H125/AB08 2H125/CD33 2H196/BA13

2H196/DA01 2H196/DA02 2H196/GA60

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4G069/CD10 4G069/DA05 4G069/EA01

4G069/EB18 4G069/EB19 4G069/EC22 4G069/ED02 4G069/FA03 4G069/FB23

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JP F-Index: B41C1/055/501 B41C1/10 B41N1/14 G03F7/00/503 G03F7/004/501

G03F7/004/521 B41C1/00 B41F35/02

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B01J35/02/J B82Y20/00 B82Y30/00

Family:

Publication number	Publication date	Application number	Application date
EP1253008 A2	20021030	EP20020009260	20020426
EP1253008 A3	20040204	EP20020009260	20020426
JP2002326469 A2	20021112	JP20010133155	20010427
JP2002361816 A2	20021218	JP20010168498	20010604
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US2006144271 AA	20060706	US20060362869	20060228
US7070903 BB	20060704	US20020131594	20020425

Priority:

JP20010133155 20010427 JP20010168498 20010604 JP20010168499 20010604
JP20010168500 20010604 US20020131594 20020425 US20060362869 20060228

Probable Assignee: MITSUBISHI HEAVY IND LTD

Assignee(s): (std): NAGAHATA SHUICHI ; OHTO TOYOSHI ; OHYA KIMIHIKO ; SUDA YASU HARU ; TONEGAWA HIROSHI ; SUEDA MINORU ; SAKURAI HIDEAKI ; TASAKA YOSHIYUKI ; MITSUBISHI HEAVY IND LTD ; AKITA YASUHIRO ; MIKUNI COLOR LTD

PatBase - US2002157552_AA

Patent Application Publication Oct. 31, 2002 Sheet 1 of 12 US 2002/0157552 A1

FIG. 1



FIG. 2A

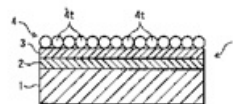
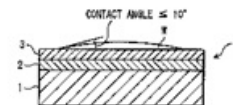


FIG. 2B



Assignee(s): MITSUBISHI HEAVY IND ; MITSUBISHI HEAVY INDUSTRIES LTD ; MITUSBISHI HEAVY IND ;
MITUSBISHI HEAVY IND LTD

Inventor(s): (std): AKITA YASUHIRO ; NAGAHATA SHUICHI ; OHTO TOYOSHI ; OHYA KIMIHIKO ; SAKURAI HIDEAKI ;
SUDA YASUHARU ; SUEDA MINORU ; TASAKA YOSHIYUKI ; TONEGAWA HIROSHI ; TONEGAWA YUTAKA
; OYA KIMIHIKO ; OFUJI TOYOO ; NAGAHATA SHUICHI ; AKITA YOSUHIRO

Agent(s): SANADA TAMOTSU; ARMSTRONG KRATZ QUINTOS HANSON AND BROOKS LLP

Designated states: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Title: LITHOGRAPHIC PRINTING PLATES AND PROCESSES FOR MAKING THEM

Abstract: A novel lithographic printing plate suitable for use with **inkjet printers** as image forming devices and a method for making such a plate is disclosed. The novel lithographic printing plate according to this invention comprises: (a) a substrate; (b) at least one base coat provided on the substrate, said base coat obtained from a composition comprising, in a first solvent (i) at least one first hydrophilic binder, (ii) a mixture of pigments comprising at least one porous hydrophilic pigment and at least one non-porous hydrophilic pigment, (iii) at least one first cross-linking agent, and (iv) at least one first catalyst; and (c) at least one top coat provided on the base coat, said top coat obtained from a composition comprising, in a second solvent (i) at least one second hydrophilic binder, (ii) at least one hydrophilic pigment in particulate form, wherein at least 10 percent of the pigment particles have particle size of about 3-15 micron (iii) at least one second cross-linking agent, and (iv) at least one second catalyst.

Classifications:

International (IPC 8-9): B05D3/10 B32B27/32 B32B27/34 B32B27/36 B41C1/10 B41N1/08 B41N1/14

B41N3/03 (Advanced/Invention);

B05D3/10 B32B27/32 B32B27/34 B32B27/36 B41C1/10 (Core/Invention)

International (IPC 1-7): G03F7/00

CPC: Y10T428/266 B41C1/1066 B41N1/08 B41N1/14 B41N3/036 Y10T428/31507 Y10T428/31721 Y10T428/31786

European: B41C1/10N B41N1/08 B41N1/14 B41N3/03P

US: 427/322 427/322S 428/337 428/337P 428/412 428/412S 428/473.5 428/473.500S 428/480 428/480S

Family:

Publication number	Publication date	Application number	Application date
DE602007037241 D1	20140731	DE200760037241T	20070508
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EP2015937 A4	20110629	EP20070827490	20070508
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IN00729MU2006 A	20080704	IN2006MU00729	20060510
US2009123741 AA	20090514	US20070227122	20070508
WO08010230 A2	20080124	WO2007IN00180	20070508
WO08010230 A3	20090924	WO2007IN00180	20070508

Priority:

IN2006MU00729 20060510 EP20070827490 20070508 WO2007IN00180 20070508

Probable Assignee: TECHNOVA IMAGING SYSTEMS P LTD

Assignee(s): (std): ANIRUDDHA SHREEKANT DAMLE ; BHATT JIVAN GULABRAI ; KURIAN MANELAL CHIRAYIL JACOB ; TECHNOVA IMAGING SYSTEMS P LTD ; THYAGARAJAN ANANTARAMAN IYER

Assignee(s): TECHNOVA IMAGING SYSTEMS (P) LTD ; TECHNOVA IMAGING SYSTEMS LTD

Inventor(s): (std): ANIRUDDHA SHREEKANT DAMLE ; BHATT JIVAN GULABRAI ; KURIAN MANELAL CHIRAYIL JACOB ; ANIRUDDHA SHREEKANT DAMILE ; THYAGARAJAN ANANTARAMAN IYER ; BATT JIVAN GULABRAI

Inventor(s): THYAGARAJAN ANANTHARAMAN IYER

Agent(s): PATENTANWALTSSKANZLEI MEYER; HARRISON GODDARD FOOTE; ATKINSON JONATHAN DAVID MARK; LAWSON AND WEITZEN LLP; MOHAN DEWAN

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: PHOTOTHERMOGRAPHIC MATERIAL AND IMAGE FORMING METHOD

Abstract: A photothermographic material including, on at least one side of a support, an image forming layer including at least a photosensitive silver halide, a non-photosensitive organic silver salt, a reducing agent for silver ions, and a binder, wherein the photosensitive silver halide has an average silver iodide content of 40 mol percent or higher, and the photothermographic material comprises a compound represented by the following formula (I) as the reducing agent: wherein R_1 , R_2 , R_3 , and R_4 each independently represent a hydrogen atom or a substituent; R_5 and R_6 each independently represent an alkyl group, an aryl group, a heterocyclic group, an acyl group, or a sulfonyl group; and R_7 represents R_{11} -O-CO-, R_{12} -CO-CO-, R_{13} -NH-CO-, R_{14} -SO₂ -, R_{15} -W-C(R_{16})(R_{17})-, R_{19} -SO₂NHCO-, R_{20} -CONHCO-, R_{21} -SO₂NHSO₂ -, R_{22} -CONHSO₂ - or (M)_{1/n}OSO₂ -. A photothermographic material, which exhibits low fog and excellent storage stability, and an image forming method are provided.

Classifications:**International (IPC 8-9):** G03C1/00 G03C1/498 G03C1/74

G03C5/08 (Advanced/Invention);

G03C1/498 G03C1/74 G03C5/08 (Core/Invention)

CPC: G03C2001/03558 G03C1/49818 G03C1/49827 G03C1/49854

G03C5/17

European: G03C1/498C G03C1/498D G03C1/498E1A G03C5/17

S03C1/498C

US: 430/619 430/619P**JP F-Term:** 2H123 2H123/AB00 2H123/AB02 2H123/AB03

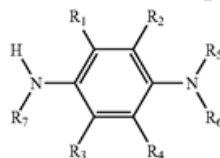
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2H123/BB39

JP F-Index: G03C1/498/501 G03C1/498/502 G03C1/498/503 G03C1/498/505 G03C1/74/351 G03C5/08/351

PatBase - US2006183063_AA

Formula (I)

**Family:**

Publication number	Publication date	Application number	Application date
JP2006227439 A2	20060831	JP20050043155	20050218
US2006183063 AA	20060817	US20060335654	20060120

Priority:

JP20050015668 20050124 JP20050043155 20050218

Probable Assignee: FUJIFILM HOLDINGS CORP**Assignee(s):** (std): FUJI PHOTO FILM CO LTD**Assignee(s):** FUJIFILM CORP ; FUJIFILM HOLDINGS CORP ; FUJI PHOTO FILM CO**Inventor(s):** (std): YOSHIOKA YASUHIRO ; MIFUNE HIROYUKI**Agent(s):** TAIYO CORP

Title: IMPLANTABLE OR INSERTABLE MEDICAL DEVICES

Abstract: In various aspects, the present invention is directed to implantable neurostimulation leads and methods for their formation. In various additional aspects, the present invention is directed to medical devices having silicone-containing regions with overlying polymeric layers and to methods of forming the same.

Classifications:

International (IPC 8-9): A61L27/16 A61L27/18 A61L27/34 A61L27/54

A61N1/04 A61N1/05 C08G77/20 (Advanced/Invention);

A61L27/00 (Core/Invention)

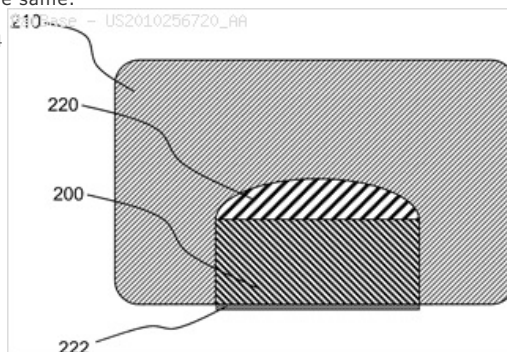
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A61N1/0534 A61N1/0541 A61N1/0551 C08L83/06

European: A61L27/18 A61L27/34 A61L27/54 K61L300/222

K61L300/602

US: 1/1 607/116 607/116S 607/117 607/117P 607/137 607/137S



Family:

Publication number	Publication date	Application number	Application date
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WO10033909 A3	20110310	WO2009US57674	20090921

Priority:

US20080099139P 20080922 EP20090792774 20090921 EP20130193489 20090921
US20090563641 20090921 WO2009US57674 20090921

Probable Assignee: BOSTON SCIENT SCIMED INC

Assignee(s): (std): ORINSKI WILLIAM ; OVERSTREET EDWARD HOLMAN ; PANDIT ADITYA ; PHAM LAN ; KUZMA JANUSZ ; BRITO SHAINA ; DIPIETRO KERRI ; BODEN MARK ; BOSTON SCIENT NEUROMODULATION ; BOSTON SCIENT NEUROMODULATION CORP ; BOSTON SCIENT SCIMED INC ; KUZMAN JANUSZ A ; STRICKLER FREDERICK H ; PIANCA ANNE M ; RICHARD ROBERT E

Assignee(s): BOSTON SCIENTIFIC NEUROMODULATION CORP VALENCIA ; BOSTON SCIENTIFIC NEUROMODULATION CORP ; BOSTON SCIENTIFIC SCIMED INC

Inventor(s): (std): BODEN MARK ; BRITO SHAINA ; DIPIETRO KERRI ; KUZMA JANUSZ ; ORINSKI WILLIAM ; OVERSTREET EDWARD HOLMAN ; PANDIT ADITYA ; PHAM LAN ; PIANCA ANNE M ; RICHARD ROBERT E ; STRICKLER FREDERICK H ; STRICKLER FREDERICK ; RICHARD ROBERT ; PIANCA ANNE ; OVERSTREET EDWARD ; KUZMAN JANUSZ A ; KUZMA JANUSZ A ; BRITO SHAINA G

Inventor(s): ANNE M PIANCA ; ADITYA PANDIT ; KERRI DIPIETRO ; JANUSZ KUZMA ; FREDERICK H STRICKLER ; EDWARD HOLMAN OVERSTREET ; MARK BODEN ; LAN PHAM ; SHAINA BRITO ; ROBERT E RICHARD ; STRICKLER FREDERICK H NATICK ; WILLIAM ORINSKI ; RICHARD ROBERT E WRENTHAM ; PIANCA ANNE M SANTA MONICA ; PHAM LAN NASHUA ; PANDIT ADITYA BURBANK ; OVERSTREET EDWARD HOLMAN VALENCIA ; ORINSKI WILLIAM STEVENSON RANCH ; KUZMA JANUSZ BAYVIEW ; DIPIETRO KERRI WORCESTER ; BRITO SHAINA WINCHESTER ; BODEN MARK HARRISVILLE

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; KIRBY EADES GALE BAKER; VOSSIUS AND PARTNER PATENTANWALTE RECHTSANWALTE MBB; FICKERT STEFAN CHRISTOPHER; VOSSIUS AND PARTNER; DE ELZABURU ALBERTO; MAYER AND WILLIAMS PC; KACVINSKY DAISAK BLUNI PLLC; BONHAM DAVID B ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: Color filter and method of making the same

Abstract: A template (12) having a plurality of protrusions (13) in a predetermined arrangement is fabricated to facilitate the formation of **ink** filling concavities for forming a color pattern layer. An **ink** filling layer precursor (11) is attached to the template (12) and, after the **ink** filling layer precursor (11) has solidified to form an **ink** filling layer (14), the **ink** filling layer (14) having a plurality of **ink** filling concavities (15) is transfer-formed by separating the **ink** filling layer (14) from the template (12). **Ink** of previously determined colors are filled into these **ink** filling concavities (15) to form a color pattern layer (16).

Classifications:

International (IPC 8-9): B05D3/06 B41J2/01 G02B5/20 G02B5/22 G02F1/1333 G02F1/1335 (Advanced/Invention);

B05D3/06 B41J2/01 G02B5/20 G02F1/13 (Core/Invention)

International (IPC 1-7): B05D3/06 B41J2/01 G02B5/00 G02B5/20 G02F1/13 G02F1/1333 G02F1/1335

CPC: G02B5/223 G02B5/201

European: G02B5/20A G02B5/22D

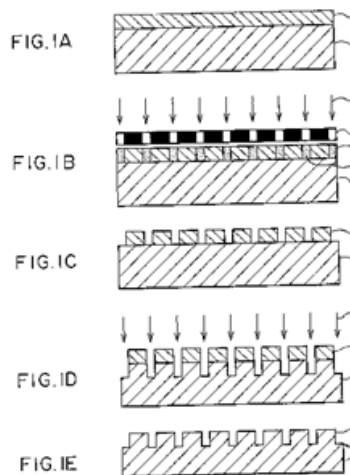
US: 427/162 427/508 427/510 430/7 430/7P

JP F-Term: 2H048 2H048/BA47 2H048/BA66 2H048/BB13 2H048/BB14 2H048/BB15 2H048/BB24 2H048/BB42 2H091 2H091/FA02 2H091/FC01 2H091/FC06 2H091/FC22 2H091/FC23 2H091/FC26 2H091/FC29 2H091/LA12 2H148 2H148/BC21 2H148/BC56 2H148/BC60 2H148/BD11 2H148/BG02 2H148/BH28 2H191 2H191/FA02 2H191/FC01 2H191/FC06 2H191/FC32 2H191/FC33 2H191/FC36 2H191/FC41 2H191/LA13 2H291 2H291/FA02 2H291/FC01 2H291/FC06 2H291/FC32 2H291/FC33 2H291/FC36 2H291/FC41 2H291/LA13 2C056 2C056/FB01 2C056/FB08 2H048/BA11 2H048/BA48 2H048/BB02 2H048/BB44 2H148/BE06 2H148/BE36 2H148/BH02 4D075 4D075/BB26/Z 4D075/BB42/Z 4D075/BB46/Z 4D075/CA47 4D075/CA48 4D075/DA07 4D075/DA29 4D075/DB13 4D075/DB54 4D075/DC24 4D075/EA19 4D075/EA21 4D075/EA45 4D075/EB22 4D075/EB23 4D075/EB24 2H048/BB37 2H089 2H089/HA40 2H089/LA09 2H089/LA10 2H089/LA11 2H089/LA14 2H089/LA16 2H089/LA19 2H089/LA20 2H089/NA12 2H089/NA17 2H089/NA24 2H089/NA25 2H089/NA32 2H089/NA33 2H089/NA37 2H089/PA08 2H089/QA12 2H089/QA13 2H089/QA14 2H089/QA16 2H089/RA05 2H089/RA10 2H089/SA01 2H089/SA04 2H089/TA04 2H089/TA05 2H148/BB01 2H148/BB02 2H148/BC65 2H148/BD14 2H148/BD16 2H148/BE38 2H148/BE39 2H148/BH16 2H189 2H189/DA07 2H189/DA18 2H189/DA22 2H189/DA32 2H189/DA48 2H189/DA49 2H189/FA14 2H189/HA12 2H189/HA14 2H189/HA15 2H189/JA08 2H189/LA14 2H189/LA15 2H189/LA17

JP F-Index: G02B5/20/101 G02F1/1335/505 B05D3/06/Z B41J2/01 B41J3/04/101/Z G02F1/1333

PatBase - US2001026896_AA

Patent Application Publication Oct. 4, 2001 Sheet 1 of 26 US 2001/0026896 A1



Family:

Publication number	Publication date	Application number	Application date
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JP11202116 A2	19990730	JP19980003552	19980109
JP4013306 B2	20071128	JP19980003551	19980109
JP4096371 B2	20080604	JP19970039583	19970224
TW442693 B	20010623	TW19980102417	19980220
US2001026896 AA	20011004	US20010817191	20010327
US6322936 BA	20011127	US19980171527	19981021
US6426166 BB	20020730	US20010817191	20010327
WO9837444 A1	19980827	WO1998JP00718	19980223

Priority:

JP19970039583 19970224 JP19980003551 19980109 JP19980003552 19980109
 WO1998JP00718 19980223 US19980171527 19981021 US20010817191 20010327

Probable Assignee: SEIKO EPSON COPORATION

Assignee(s): (std): KIGUCHI HIROSHI ; KOJIMA MASARU ; NISHIKAWA TAKAO ; SEIKO EPSON CORP

Assignee(s): SEIKO EPSON COPORATION

Inventor(s): (std): KIGUCHI HIROSHI ; KOJIMA MASARU ; NISHIKAWA HISAO ; NISHIKAWA TAKAO

Designated states: AT BE CA CH CN DE DK ES FI FR GB GR IE IT KR LU MC NL PT SE US