

DWPI サンプルレコード (STN)

アクセッション番号	AN 2008-H55117 [200848] WPIX ED 20080729																														
DWPI タイトル	TI Pigment dispersion composition useful for producing color filter comprises pigment, binder resin, dispersant, and solvent where the pigment is blue anthraquinone pigment																														
DWPI クラス	DC A14; A23; A25; A89; E22; L03; P84; U11; U13																														
発明者	IN JEONG E J; KIM J; KIM J H; KIM S; KIM S H; LEE C M; LEE K S; PARK T W; JEONG E; LEE C; LEE K																														
出願人	PA (CHEI-N) CHEIL WOOL FABRIC CO LTD; (CHLL-C) CHEIL IND INC CYC 4																														
DWPI ファミリー情報	PI <table border="1"> <thead> <tr> <th>公報番号</th> <th>種別</th> <th>発行日</th> <th>更新週</th> <th>言語</th> </tr> </thead> <tbody> <tr> <td>US 20080145772</td> <td>A1</td> <td>20080619</td> <td>(200848)*</td> <td>EN 8[1]</td> </tr> <tr> <td>CN 101206398</td> <td>A</td> <td>20080625</td> <td>(200856)</td> <td>ZH</td> </tr> <tr> <td>KR 2008055111</td> <td>A</td> <td>20080619</td> <td>(200875)</td> <td>KO</td> </tr> <tr> <td>TW 2008031615</td> <td>A</td> <td>20080801</td> <td>(200925)</td> <td>ZH</td> </tr> <tr> <td>US 7618486</td> <td>B2</td> <td>20091117</td> <td>(200975)</td> <td>EN</td> </tr> </tbody> </table>	公報番号	種別	発行日	更新週	言語	US 20080145772	A1	20080619	(200848)*	EN 8[1]	CN 101206398	A	20080625	(200856)	ZH	KR 2008055111	A	20080619	(200875)	KO	TW 2008031615	A	20080801	(200925)	ZH	US 7618486	B2	20091117	(200975)	EN
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出願情報	ADT US 20080145772 A1 US 2007-877903 20071024; KR 2008055111 A KR 2006-128028 20061214; TW 2008031615 A TW 2007-136721 20071001; CN 101206398 A CN 2007-10163798 20071108; US 7618486 B2 US 2007-877903 20071024																														
優先権情報 IPC	PRAI KR 2006-128028 20061214 IPCI C08K0005-00 [I, C]; C08K0005-00 [I, C]; C08K0005-16 [I, A]; C08K0005-16 [I, A]; C08K0007-00 [I, C]; C08K0007-08 [I, A]; C09B0001-00 [I, C]; C09B0001-467 [I, A]; C09B0005-00 [I, C]; C09B0005-48 [I, A]; C09B0067-00 [I, C]; C09B0067-38 [I, A]; C09D0017-00 [I, A]; C09D0017-00 [I, C]; G02B0005-20 [I, A]; G02B0005-20 [I, C]; G02B0005-22 [I, A]; G02B0005-22 [I, C]; G02B0005-23 [I, A]; G03F0001-00 [I, A]; G03F0001-00 [I, C]; G03F0007-004 [I, A]; G03F0007-004 [I, C]; G03F0007-027 [I, A]; G03F0007-027 [I, C]; H01L0031-0232 [I, A]; H01L0031-0232 [I, C]																														
欧州特許分類 米国特許分類	EPC C09B0005-48 NCL NCLM 106/287.250; 430/007.000 NCLS 106/493.000; 106/498.000; 257/294.000; 257/432.000; 257/E31.121; 359/885.000																														
DWPI 抄録	AB US 20080145772 A1 UPAB: 20080729 NOVELTY - A pigment dispersion composition (C1) comprises pigment (A1), binder resin, dispersant, and solvent. The pigment (A1) is a blue anthraquinone pigment. DETAILED DESCRIPTION - A pigment dispersion composition (C1) comprises pigment, binder resin, dispersant, and solvent. The pigment is a blue anthraquinone pigment of formula (I). X=H or Cl. USE - In the production of a color filter useful for color imaging device such as complementary metal oxide semiconductor (CMOS) or a charge coupled device (CCD) (all claimed). ADVANTAGE - The composition has a high transmittance (such as transmittance of 75-95%); has high dispersion stability; and exhibits excellent color separation.																														
テクノロジーフォーカス	TECH INORGANIC CHEMISTRY - Preferred Components: The water-soluble inorganic salt is sodium chloride or potassium chloride. ORGANIC CHEMISTRY - Preferred Components: The pigment (A1) is pretreated with a water-soluble inorganic salt and a wetting agent. The pretreated pigment has an average particle diameter of 50-100 nm. The pretreated pigment has a spherical particle shape. The wetting agent is selected from alkylene glycol monoalkyl ethers and/or alcohols. The alkylene glycol monoalkyl ether is selected from ethylene glycol monoethyl ether, propylene glycol monomethyl ether, diethylene glycol monomethyl ether and/or ethylene glycol monoethyl ether. The alcohol is selected from																														

	<p>ethanol, isopropanol, butanol, hexanol, cyclohexanol, ethylene glycol, diethylene glycol, polyethylene glycol and/or glycerin polyethylene glycol. The pigment is pretreated with sodium chloride and polyethylene glycol.</p> <p>POLYMERS - Preferred Composition: The composition (C1) further comprises a colorant derivative (1-20 parts by weight (pbw)) containing naphthalene, anthraquinone, phthalocyanine, diketopyrrolopyrrole or azo pigment or dye ~~~~~</p>
<p>拡張抄録</p>	<p>ABEX SPECIFIC COMPOUNDS - 2 Pigment Compounds are specifically claimed as the blue anthraquinone pigment: C. I. Pigment blue 60 (Ia) and C. I. Pigment blue 64.</p> <p>EXAMPLE - A dry powder (H1) of the C. I. Pigment blue 60 comprising (parts by weight): C. I. Pigment Blue 60 (1), sodium chloride (10) and polyethylene glycol 400 (4) was prepared. A composition comprising (parts by weight): dry powder (H1) of the C. I. Pigment blue 60 (15), polyester dispersant (20), polybenzyl methacrylate resin (8), propylene glycol methyl ethyl acetate (55), and Solsperse 5000 (RTM: Colorant derivative).</p> <p>IT UPIT 20080729 1015-87301-CL 1015-87301-USE; 205699-CL 205699-USE; 130894-CL 130894-USE; 104403-CL 104403-USE; 104486-CL 104486-USE; 173429-CL 173429-USE; 104380-CL 104380-USE</p>
<p>マニュアルコード</p>	<p>FS CPI; GMPI; EPI MC CPI: A08-E03B; A08-S02; A08-S05; A12-L03D; A12-L05C1; E22-E02; L03-G02B; L04-E05A; L04-E05F EPI: U11-C18D; U13-A02; U13-D02A</p>
<p>ポリマーインデキシングコード</p>	<p>PLE UPA 20080729</p> <p>[1. 1] 2004 G0419 G0384 G0339 G0260 G0022 D01 D12 D10 D26 D51 D53 D58 D63 F41 F89 D11 D86 F34 F28 F26; H0000; S9999 S1014-R; P0088;</p> <p>[1. 2] 2004 G0384 G0339 G0260 G0022 D01 D11 D10 D12 D26 D51 D53 D58 D63 D92 F41 F89 DCN: R17881 DCR: 133830; H0000; S9999 S1014-R; P0088;</p> <p>[1. 3] 2004 G0384 G0339 G0260 G0022 D01 D11 D10 D12 D19 D18 D26 D31 D51 D53 D58 D63 D76 D91 F41 F89 DCN: R24007 DCR: 59929; H0000; S9999 S1014-R; P0088;</p> <p>[1. 4] 2004 G0384 G0339 G0260 G0022 D01 D11 D10 D12 D26 D51 D53 D58 D63 D86 F41 F89 DCN: R00653 DCR: 23522; H0000; S9999 S1014-R; P0088;</p> <p>[1. 5] 2004 G0260-R G0022 D01 D12 D10 D26 D51 D53; H0000; S9999 S1014-R; H0011-R; P0088;</p> <p>[1. 6] 2004 Q9999 Q6791; Q9999 Q9450 Q8264; Q9999 Q8651 Q8606; Q9999 Q8617-R Q8606; B9999 B4397 B4240; K9870 K9847 K9790; B9999 B4739 B4568; B9999 B4262 B4240; ND01; ND04;</p> <p>[1. 7] 2004 D21-R D18 D97 D35 D79 D50 D28 D95 H- CI 7A F23 F09 F07; A999 A102 A077; ~~~~~</p>
<p>ケミカルフラグメンテーションコード</p>	<p>CMC UPB 20080729</p> <p>M3 *04* H7 H721 J0 J011 J2 J271 M210 M212 M213 M232 M262 M272 M281 M320 M423 M424 M510 M520 M530 M540 M740 M782 Q454 R024 M905 M904 DCN: RA04WP-K RA04WP-M DCR: 104403-K 104403-M</p> <p>M3 *05* KO L4 L463 L499 M280 M312 M313 M314 M315 M323 M332 M342 M383 M393 M423 M424 M510 M520 M530 M540 M620 M740 M782 Q454 R024 M905 M904 DCN: R16492-K R16492-M DCR: 104486-K 104486-M</p> <p>M3 *06* H1 H101 H102 H183 M280 M312 M323 M332 M342 M383 M393 M423 M424 M510 M520 M530 M540 M620 M740 M782 Q454 R024 M905 M904 DCN: R14108-K R14108-M</p>

	DCR: 173429-K 173429-M M3 *07* H7 H714 H721 J0 J011 J1 J171 M210 M212 M262 M281 M320 M423 M424 M510 M520 M530 M540 M630 M740 M782 Q454 R024 M905 M904 DCN: RA02L0-K RA02L0-M RA037T-K RA037T-M DCR: 104380-K 104380-M 199392-K 199392-M ~~~~~
公報レベル	Member (0001)
オリジナルタイトル	PI US 20080145772 A1 20080619 (200848)* EN 8[1] TIEN Pigment Dispersion Composition for Producing Color Filter and Color Filter For Color Imaging Device Produced Using the Same
代理人	AG SUMMA, ALLAN & ADDITON, P. A. AGA: 11610 NORTH COMMUNITY HOUSE ROAD, SUITE 200, CHARLOTTE, NC, US
発明者	IN LEE C M INO: LEE, Chang Min INA: Goyang-si, KR Residence: KR LEE K S INO: LEE, Kil Sung INA: Gwacheon-si, KR Residence: KR KIM J H INO: KIM, Jae Hyun INA: Seongnam-si, KR Residence: KR JEONG E J INO: JEONG, Eui June INA: Seoul, KR Residence: KR KIM S H INO: KIM, Sung Hyok INA: Hwaseong-si, KR Residence: KR
出願人	PA PAO: LEE, Chang Min PAA: Goyang-si, KR Residence: KR PAO: LEE, Kil Sung PAA: Gwacheon-si, KR Residence: KR PAO: KIM, Jae Hyun PAA: Seongnam-si, KR Residence: KR PAO: KIM, Sung Hyok PAA: Hwaseong-si, KR Residence: KR PAO: JEONG, Eui June PAA: Seoul, KR Residence: KR (CHLL-C) CHEIL IND INC PAO: CHEIL INDUSTRIES INC. PAA: Gumi-si, KR ADT US 20080145772 A1 US 2007-877903 20071024 APTS 2007US-000877903 PRAI KR 2006-128028 20061214 PRTS 2006KR-000128028 20061214 IPC1 Current: C08K0005-00 [I, C]; C08K0005-16 [I, A]; G03F0001-00 [I, A]; G03F0001-00 [I, C] Original: C08K0005-00 [I, C*]; C08K0005-16 [I, A]; G03F0001-00 [I, A]; G03F0001-00 [I, C*] NCL NCLM 430/007.000

<p>オリジナル抄録</p>	<p>NCLS 106/498.000 INCL INCLM 430/007.000 INCLS 106/498.000 EPC C09B0005-48 ABEN Disclosed is a pigment dispersion composition for producing a color filter. The pigment dispersion composition comprises a pigment, a binder resin, a dispersant and a solvent. The pigment is a blue anthraquinone pigment and is pretreated with a water-soluble inorganic salt and a wetting agent. The pigment dispersion composition can be used to produce a color filter for a color imaging device with good color separation and high transmittance.</p>
<p>請求項</p>	<p>CLMEN 1. A pigment dispersion composition for producing a color filter, the composition comprising: a pigment, a binder resin, a dispersant, and a solvent, wherein the pigment is a blue anthraquinone pigment represented by Formula 1: [CHEM C00003] wherein each X is independently a hydrogen or chlorine atom. ~~~~~</p>