

DWPI サンプルレコード (Questel)

<p>アクセッション番号 DWPI タイトル</p> <p>DWPI クラス 発明者</p> <p>出願人</p> <p>DWPI ファミリー情報</p> <p>優先権情報 IPC</p> <p>欧州特許分類 米国特許分類</p> <p>DWPI 抄録</p> <p>テクノロジーフォーカス</p>	<p>AN - 2008-H55117 [48]</p> <p>TI - Pigment dispersion composition useful for producing color filter comprises pigment, binder resin, dispersant, and solvent where the pigment is blue anthraquinone pigment</p> <p>DC - A14 A23 A25 A89 E22 L03 P84 U11 U13</p> <p>PA - (CHEI-) CHEIL WOOL FABRIC CO LTD - (CHLL) CHEIL IND INC</p> <p>IN - JEONG EJ; KIM J; KIM JH; KIM S; KIM SH; LEE CM; LEE KS; PARK TW; JEONG E; LEE C; LEE K</p> <p>NP - 5</p> <p>NC - 4 <u>公報番号</u> <u>種別</u> <u>発行日</u> <u>更新週</u> <u>言語</u></p> <p>PN - US20080145772 A1 20080619 DW2008-48 Eng 8p * AP: 2007US-0877903 20071024 - CN101206398 A 20080625 DW2008-56 Chi AP: 2007CN-10163798 20071108 - KR2008055111 A 20080619 DW2008-75 Kor AP: 2006KR-0128028 20061214 - TW200831615 A 20080801 DW2009-25 Chi AP: 2007TW-0136721 20071001 - US7618486 B2 20091117 DW2009-75 Eng AP: 2007US-0877903 20071024</p> <p>PR - 2006KR-0128028 20061214</p> <p>IC - C08K-005/16; C09B-001/467; C09B-005/48; G03F-007/004; H01L-031/0232; C08K-007/08; C09B-067/38; C09D-017/00; G02B-005/20; G02B-005/22; G02B-005/23; G03F-001/00; G03F-007/027; C08K-005/00; C08K-007/00; C09B-001/00; C09B-005/00; C09B-067/00</p> <p>ICAA- C08K-005/16 [2006-01 A F I B - -]; C09B-001/467 [2006-01 A F I - - -]; C09B-005/48 [2006-01 A F I B - -]; G03F-007/004 [2006-01 A F I B - -]; H01L-031/0232 [2006-01 A F I B - -]; C08K-005/16 [2006-01 A L I B - -]; C08K-007/08 [2006-01 A L I B - -]; C09B-067/38 [2006-01 A L I B - -]; C09D-017/00 [2006-01 A L I - - -]; G02B-005/20 [2006-01 A L I B - -]; G02B-005/22 [2006-01 A L I B - -]; G02B-005/23 [2006-01 A L I B - -]; G03F-001/00 [2006-01 A L I B - -]; G03F-007/027 [2006-01 A L I B - -]</p> <p>ICCA- C08K-005/00 [2006 C F I B - -]; G03F-007/004 [2006 C F I B - -]; H01L-031/0232 [2009 C F I B - -]; C08K-005/00 [2009 C L I B - -]; C08K-007/00 [2009 C L I B - -]; C09B-001/00 [2006 C - I - - -]; C09B-005/00 [2006 C - I B - -]; C09B-067/00 [2006 C - I B - -]; C09D-017/00 [2006 C - I - - -]; G02B-005/20 [2006 C - I B - -]; G02B-005/22 [2006 C L I B - -]; G03F-001/00 [2006 C L I B - -]; G03F-007/027 [2006 C L I B - -]</p> <p>EC - C09B-005/48</p> <p>PCL - 106287250 430007000 106493000 106498000 257294000 257432000 257E31121 359885000</p> <p>AB - US20080145772 A NOVELTY: A pigment dispersion composition (C1) comprises pigment (A1), binder resin, dispersant, and solvent. The pigment (A1) is a blue anthraquinone pigment. - 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.</p> <p>TF - INORGANIC CHEMISTRY: Preferred Components: The water-soluble inorganic salt is sodium chloride or potassium chloride. - ORGANIC CHEMISTRY: Preferred Components: The pigment (A1) is</p>
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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 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.

- 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

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拡張抄録

- EX - SPECIFIC COMPOUNDS: 2 Pigment Compounds are specifically claimed as the blue anthraquinone pigment: C. I. Pigment blue 60 (1a) and C. I. Pigment blue 64.
- 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).

オリジナル抄録

- EAB - (US20080145772 A1)  
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.
- (CN101206398 A)  
The invention claims a pigment dispersing composition for preparing colour filter and colour filter. The pigment dispersing composition comprises pigment, agglomerant resin, dispersant and solvent. Said pigment is blue anthraquinone pigment which is processed by water soluble inorganic salt and wetting agent. Said pigment dispersing composition can be applied to preparing colour filter of colour imager, which comprises good colour dispersion and high light transmittance.
- (KR2008055111 A)  
It pre-processes the blue anthraquinone pigment to the water-soluble inorganic salt and moisturizing agent and it uses pigment as to the pigment paste composition for the color filter in which the present invention uses this with the pigment dispersion composition for the color filter and including the thing about the color filter for the manufactured color imaging device pigment, binder region, and the dispersing agent and solvent. In that way the color filter for the color breakup and the color imaging device having the high permeability can be manufactured. Excellent. KeywordsThe color image pickup device. The CMOS, coloring, the color filter, kneading, pigment, preprocessing.
- (US7618486 B2)  
Disclosed is a pigment dispersion composition for producing a color filter. The pigment dispersion composition comprises a pigment, a

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| マニュアルコード          | <p>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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ポリマーインデキシングコード    | <p>MC - CPI: A08-E03B A08-S02 A08-S05 A12-L03D A12-L05C1 E22-E02 L03-G02B L04-E05A L04-E05F<br/> - EPI: U11-C18D U13-A02 U13-D02A</p> <p>PI01- [001] 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<br/> - [002] 2004; G0384 G0339 G0260 G0022 D01 D11 D10 D12 D26 D51 D53 D58 D63 D92 F41 F89 R17881 133830; H0000; S9999 S1014-R; P0088<br/> - [003] 2004; G0384 G0339 G0260 G0022 D01 D11 D10 D12 D19 D18 D26 D31 D51 D53 D58 D63 D76 D91 F41 F89 R24007 59929; H0000; S9999 S1014-R; P0088<br/> - [004] 2004; G0384 G0339 G0260 G0022 D01 D11 D10 D12 D26 D51 D53 D58 D63 D86 F41 F89 R00653 23522; H0000; S9999 S1014-R; P0088<br/> - [005] 2004; G0260-R G0022 D01 D12 D10 D26 D51 D53; H0000; S9999 S1014-R; H0011-R; P0088<br/> - [006] 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<br/> - [007] 2004; D21-R D18 D97 D35 D79 D50 D28 D95 H- CI 7A F23 F09 F07; A999 A102 A077<br/> ~~~~~</p> |
| ケミカルフラグメンテーションコード | <p>M3 - [04] M904 M905 H7 H721 J0 J011 J2 J271 M210 M212 M213 M232 M262 M272 M281 M320 M423 M424 M510 M520 M530 M540 M740 M782 Q454 R024 RA04WP-K RA04WP-M 104403-K 104403-M<br/> - [05] M904 M905 K0 L4 L463 L499 M280 M312 M313 M314 M315 M323 M332 M342 M383 M393 M423 M424 M510 M520 M530 M540 M620 M740 M782 Q454 R024 R16492-K R16492-M 104486-K 104486-M<br/> - [06] M904 M905 H1 H101 H102 H183 M280 M312 M323 M332 M342 M383 M393 M423 M424 M510 M520 M530 M540 M620 M740 M782 Q454 R024 R14108-K R14108-M 173429-K 173429-M<br/> - [07] M904 M905 H7 H714 H721 J0 J011 J1 J171 M210 M212 M262 M281 M320 M423 M424 M510 M520 M530 M540 M630 M740 M782 Q454 R024 RA02LO-K RA02LO-M RA037T-K RA037T-M 104380-K 104380-M 199392-K 199392-M<br/> ~~~~~</p>                                                                                                                                                                                                                                                                                                                                             |
|                   | <p>RR - 07265</p> <p>CN - RA04WP-K RA04WP-M R16492-K R16492-M R14108-K R14108-M RA02LO-K RA02LO-M RA037T-K RA037T-M 1015-87301-K 1015-87301-M RA044D-K RA044D-M R03793-K R03793-M</p> <p>KW - [1] 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>DCR - 104403-K 104403-M 104486-K 104486-M 173429-K 173429-M 104380-K 104380-M 199392-K 199392-M 205699-K 205699-M 130894-K 130894-M</p> <p>UA - 2008-48</p> <p>UB - 2008-48</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |