



(11) **EP 1 870 438 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 72**

(48) Corrigendum issued on:  
**05.10.2011 Bulletin 2011/40**

(45) Date of publication and mention  
of the grant of the patent:  
**06.07.2011 Bulletin 2011/27**

(21) Application number: **06713983.2**

(22) Date of filing: **17.02.2006**

(51) Int Cl.:  
**C09B 47/067<sup>(2006.01)</sup> C09B 47/22<sup>(2006.01)</sup>**  
**C07D 235/26<sup>(2006.01)</sup>**

(86) International application number:  
**PCT/JP2006/302842**

(87) International publication number:  
**WO 2006/088140 (24.08.2006 Gazette 2006/34)**

(54) **PHTHALOCYANINE COMPOUND, PROCESS FOR PRODUCING THE SAME, AND COLORED COMPOSITION CONTAINING THE PHTHALOCYANINE COMPOUND**

PHTHALOCYANIN VERBINDUNG, IHR HERSTELLUNGSVERFAHREN, SOWIE DIE PHTHALOCYANINVERBINDUNG ENTHALTENDE FARBGEBENDE ZUSAMMENSETZUNG

DÉRIVÉ DE PHTHALOCYANINE, PROCÉDÉ DE SYNTHÈSE DUDIT DÉRIVÉ, ET PRÉPARATIONS COLORÉES CONTENANT LEDIT DÉRIVÉ DE PHTHALOCYANINE

(84) Designated Contracting States:  
**DE**

(30) Priority: **18.02.2005 JP 2005042135**  
**09.06.2005 JP 2005169353**

(43) Date of publication of application:  
**26.12.2007 Bulletin 2007/52**

(73) Proprietor: **DIC Corporation**  
**Tokyo (JP)**

(72) Inventor: **NAGATA, Yoshiaki,**  
**c/o Dainippon Ink and Chemicals, Inc.,**  
**Sakura-shi, Chiba 285-8668 (JP)**

(74) Representative: **Albrecht, Thomas et al**  
**Kraus & Weisert**  
**Patent- und Rechtsanwälte**  
**Thomas-Wimmer-Ring 15**  
**80539 München (DE)**

(56) References cited:  
**EP-A2- 0 266 219**

- **BALAKIREV A E ET AL:** "Synthesis and Properties of Copper(II) Tetra(2-alkyl-4,5-benzimidazolo)- and Tetra(2,2'-Dimethyl-4,5-benzodiazepino)por phyrzines" **RUSSIAN JOURNAL OF GENERAL CHEMISTRY, PLEIADES PUBLISHING / SPRINGER, MELVILLE, NY, US LNKD- DOI:10.1023/A:1023343918982, vol. 72, no. 10, 1 January 2002 (2002-01-01), pages 1616-1619, XP009080596 ISSN: 1070-3632**
- **PARDO C., YUSTE M., ELGUERO J.:** "Tetraimidazophthalocyanines" **JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol. 4, no. 5, 27 June 2000 (2000-06-27), pages 505-509, XP002580261 John Wiley & Sons, Ltd.**
- **KUDRIK E. V. ET AL:** "Symmetrical tetrasubstituted phthalocyanines containing condensed 2-alkylimidazole units" **MENDELEEV COMMUNICATIONS, INSTITUTE OF PHYSICS PUBLISHING, BRISTOL, GB LNKD- DOI: 10.1070/MC1999V009N02ABEH001063, vol. 9, no. 2, 1 January 1999 (1999-01-01), pages 85-86, XP022529496 ISSN: 0959-9436**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

**EP 1 870 438 B8**

- KUDRIK E V ET AL: "Synthesis and Properties of 5,6-Dicyanobenzimidazole and Porphyrazines Derived from it" RUSSIAN JOURNAL OF GENERAL CHEMISTRY, PLEIADES PUBLISHING / SPRINGER, MELVILLE, NY, US, vol. 69, no. 8, 1 January 1999 (1999-01-01), pages 1321-1324, XP009133045 ISSN: 1070-3632
- E. H. MØRKVED, S. M. NESET, B O. BJØRIO, H. KJØSEN, G. HVISTENDAHLB, F. MOC: "Preparations and Template Cyclotetramerisations of 2,1,3-Benzothia (seleno)diazole-5,6-dicarbonit riles" ACTA CHEMICA SCANDINAVICA, vol. 49, 1995, pages 658-662, XP002580517 ISSN: 0904-213X
- DATABASE CA [Online] KUDRIK E.V. ET AL.: 'Synthesis and properties of 5,6-dicyano-benzimidazole and porphyrazines derived from it', XP002999188 Database accession no. (132:334445) & RUSSIAN JOURNAL OF GENERAL CHEMISTRY vol. 69, no. 8, 1999, pages 1321 - 1324
- DATABASE CA [Online] PARDO C. ET AL.: 'Tetraimidazophthalocyanines', XP002999189 Database accession no. (133:239362) & JOURNAL OF PORPHYRINS AND PHTHALOCYANINES vol. 4, no. 5, 2000, pages 505 - 509