(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 November 2008 (20.11.2008)

PCT

(10) International Publication Number
WO 2008/138814 A3

(51) International Patent Classification:
G11B 7/249 (2006.01) *C09B 67/00* (2006.01)
G11B 7/246 (2006.01) *C09B 23/08* (2006.01)
C09B 69/04 (2006.01) *C07D 209/04* (2006.01)
G11B 7/247 (2006.01) *C07D 209/08* (2006.01)

(21) International Application Number:
PCT/EP2008/055583

(22) International Filing Date: 7 May 2008 (07.05.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

07290584.7	9 May 2007 (09.05.2007)	EP
07290675.3	30 May 2007 (30.05.2007)	EP
07291039.1	23 August 2007 (23.08.2007)	EP
07291190.2	1 October 2007 (01.10.2007)	EP
07291189.4	1 October 2007 (01.10.2007)	EP

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
22 May 2009

WO 2008/138814 A3

(54) Title: USE OF INDOLINIUM DIAZAMETHINE CATIONS FOR OPTICAL DATA RECORDING

(57) Abstract: The present invention relates to specific pentamethine cyanine azo complex dye compounds and their use as dyes in optical layers for optical data recording, preferably for optical data recording using a laser with a wavelength from 630 to 670 nm. The invention further relates to an optical layer comprising said dyes and to a write only read many (WORM) type optical recording medium capable of recording and reproducing information with radiation of a red laser, which employs said pentamethine cyanine azo complex type dye in the optical layer.