

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/029672 A3

(51) International Patent Classification⁷: C07D 279/18,
G11B 7/24

(21) International Application Number:
PCT/US2003/030897

(22) International Filing Date:
26 September 2003 (26.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/413,934 26 September 2002 (26.09.2002) US

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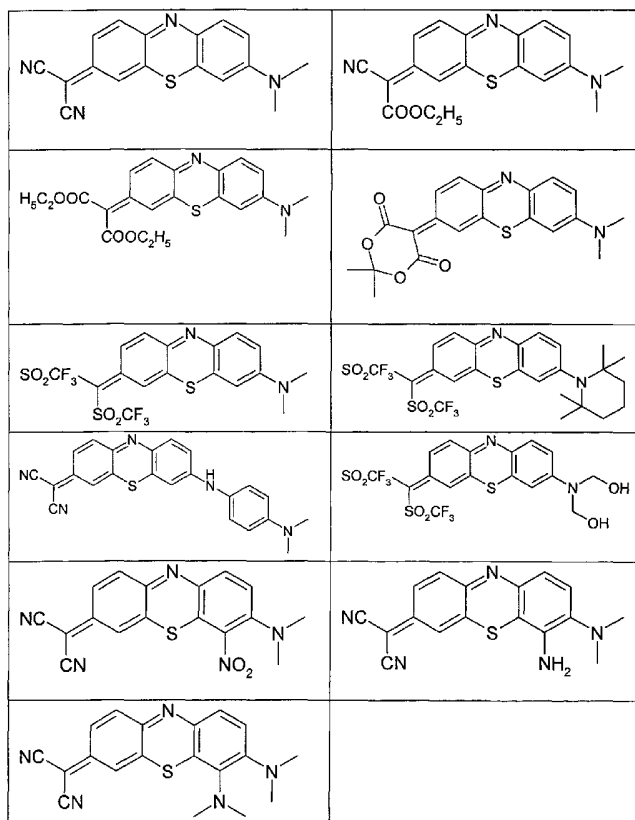
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(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,
SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: TRANSIENT OPTICAL STATE CHANGE MATERIALS USEFUL IN COPY-PROTECTED COMPACT DISCS



(57) Abstract: Phenothiazole compounds being substi-
tuted in at least the 3 and 7 positions with electron do-
nating and electron withdrawing moieties. These include
those shown in figure 1. These are useful in providing
copy-protection for optical data storage media.

WO 2004/029672 A3



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
27 January 2005

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30897

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07D 279/18; G11B 7/24
 US CL : 430/945,270.15; 544/35,37; 428/64.8

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 U.S. : 430/945,270.15; 544/35,37; 428/64.8

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
 None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 West and CAS online. Structure search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | CHANDRA, et al., "Studies on some new phenothiazines", Can. J. Chem., (1967) Vol. 45, pages 761-767, see the 3 and 7 substituted compounds shown in table IV on page 765 and table II on page 763. | 1-2 |
| X | SAREF et al., "Recent advances in the synthesis of phenothiazines", Hetrocycles, (1987) Vol. 26(1) pp. 239-273, see 3,7 substituted compounds in table 1 on page 243, see compound 39 on page 251, See compound 47 on page 252, see compounds in the tables on pages 257-258 and compounds 89 and 90 on page 263 | 1-2 |
| X | JP 08-122836 A, (ARAMAKI et al.) 17 May 1996 (17.05.1996), see phenothiazine compounds on page 4 and 6. | 1-2 |
| X | JP 01-228976 A (KUBO et al.) 12 September 1989 (12.09.1989), see phenothiazine compounds on pages 4 and 5 | 1-2 |
| Y | US 6,011,772 A (ROLLHAUS et al.) 04 January 2000 (04.01.2001), see table 2 and accompanying text | 2 |
| Y | CAUQUIL et al., "No 195 - Recherches dans la serie de la ...", Bull. Sco. Chim. France, (1955) pp. 1061-1075, generally all, particularly the exemplified compounds. | 1-2 |
| Y | DANEKE et al., "Addition von Nucleophilen an in situ erzeugtes Phenazathionium Kation", (1970), Vol. 740 pp. 62-62, generally all, particularly the exemplified compound structures. | 1-2 |



Further documents are listed in the continuation of Box C.



See patent family annex.

| * Special categories of cited documents: | "T" | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
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Date of the actual completion of the international search

16 September 2004 (16.09.2004)

Date of mailing of the international search report

30 SEP 2004

Name and mailing address of the ISA/US

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 Alexandria, Virginia 22313-1450

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| C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|--|-----------------------|
| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| A | MORRISON et al., "Organic Chemistry", Third Edition (1973), pp. 360 | 1 |