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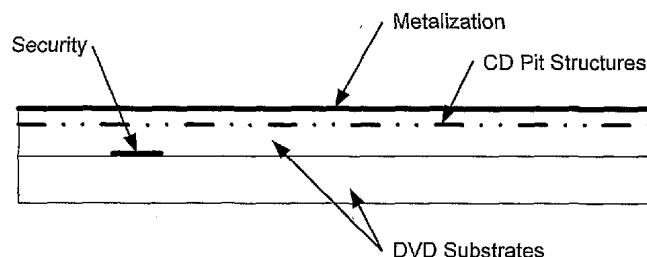


Fig. 1

(57) Abstract: A copy protected optical recording medium such as that shown in figure 1, where a security means is applied between two DVD substrates, the medium being accessed through the substrates to readout the CD pit structure with the top surface being metallized. The security means includes a material able to undergo a change in optical state, such as a methylene blue and derivatives thereof.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/38110

A. CLASSIFICATION OF SUBJECT MATTER

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USPC: 430/270.11,945,321;428/64.8;369/288,283;726/31

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)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	MELLISH et al. "In vitro photodynamic activity of a series of methylene blue analogues" Photochem. Photobiol. Vol. 75(4) pp. 392-392 28 posted 28 January 2002 (28.01.2002), table 1 and figure 1.	2,3
X	TAYLOR, K.B., "Chromatographic separation and isolation of metachromatic thiazine dyes", J. Histochem. & Cytochem., Vol. 8 pp. 248-257 (1960), see table I on page 256.	2,3
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Y		1-15 and 21-24
X	JP 63-187154 A (KISHIDA KAGAKU KK) 02 August 1988 (02.08.1988). See formula 2, example 1 which uses methylene blue together with ethylene diamine tetraacetic acid (EDTA). Example 2 uses azure B, upper left and lower right columns on page 2.	4,6
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Y		2-7 and 14



Further documents are listed in the continuation of Box C.



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"O"	document referring to an oral disclosure, use, exhibition or other means	
"P"	document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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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.
X	JP 55-079441 A (RICOH CO LTD) 14 June 1980 (14.06.1980)	4,6,8,9 and 22-24
Y		2-14 and 22-24
Y	US 5815484 A (SMITH et al.) 29 September 1998, See colulms 11 ans 12 and col 9 at lines 14-44.	1-3,14-15 and 21
Y	WO 02/03386 A2 (VERIFICATION TECHNOLOGIES, INC) 10 January 2002 (10.01.2002), pages 25-26, page 29/lines24-26, pages 32-34, page 21 (table1), figure 1, figure 4.	1-3,14-15 and 21
Y	US 2002/0031631 A1 (SELINFRUEND et al.) 14 March 2002 (14.03.2002), see claims 36-52, section [0053], table 1 and figure 1.	1-3,14-15 and 21
X	US 6608228 B1 (CUMPSTON et al.) 19 August 2003 (19.08.2003). see example 9	4,6 & 8
X	US 5583047 A (BLINKA et al.) 10 December 1996 (10.12.1996). see example 5.	4,6 & 8