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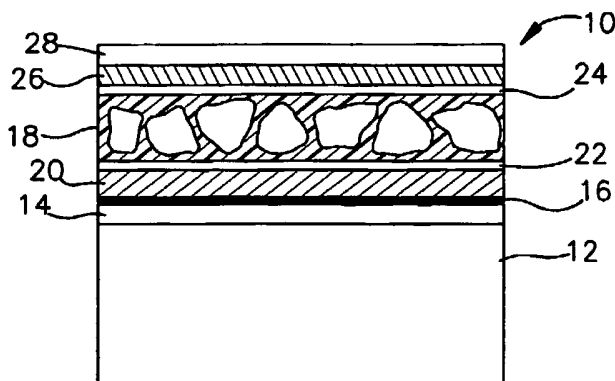
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(54) Title: DRAPABLE LIQUID CRYSTAL TRANSFER DISPLAY FILMS



(57) Abstract: The present invention relates to a display film that may be transferred by lamination or otherwise onto a substrate. The display film is formed of a stack of layers that can include different types, arrangements, and functionality within the stack depending upon factors including the characteristics of the substrate (32) (e.g. upper or lower, transparent or opaque, substrates) and addressing of the display (e.g., active or passive matrix, electrical or optical addressing). The layers of the stacked display film include one or

more electrode layers and one or more liquid crystal layers and in addition, may include various combinations of an adhesive layer, preparation layer, casting layer, light absorbing layer (16), insulation layers (22) and protective layers. The liquid crystal layer (18) can include cholesteric or other liquid crystal material. The liquid crystal layer can be a dispersion of liquid crystal in a polymer matrix formed by a variety of techniques.

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*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/US05/03239

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B32B 7/02; B41M 5/26, 3/12; B44C 1/165; D03D 15/00; G09G 5/00; G01K 3/02

US CL : 156/230,247,272.2; 345/204; 428/40.1,40.9,41.1,41.6,195,212; 442/209,210,212

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. : 156/230,247,272.2; 345/204; 428/40.1,40.9,41.1,41.6,195,212; 442/209,210,212

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

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

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,224,964 B1 (KAWAI et al) 01 May 2001, column 6 lines 10-40, column 14 lines 43-67 to column 15 lines 1-10, column 18,19,20.	1-35
X	US 2003/0031845 A1 (UMEYA et al) February 2003, section 0034-0039 and 0051-0063	1-35

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

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