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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.

(54) Title: PRINTING COLORED CONTACT LENSES

(57) Abstract: A method of making a colored contact lens comprises printing at least one layer of a colorant onto a contact lens using a printing process selected from the group consisting of ink jet printing, electrophotographic printing, thermal transfer, and photographic development. Printing can be done directly on the contact lens, on a film in a mold where the contact lens is formed, or on a cliché pad. Multiple layers of colorants can be printed onto a contact lens.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B41M3/00 B41M7/00 B41M5/38 B29D11/00 G02C7/04
G03C7/30 G03G7/00 B41M3/14 B41M5/00

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 practical, search terms used)

PAJ, WPI Data, EPO-Internal, PAPERCHEM, PIRA, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 09, 30 September 1996 (1996-09-30) & JP 08 112566 A (SEIKO EPSON CORP), 7 May 1996 (1996-05-07) abstract	1-16, 39, 41, 43-49
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 11, 30 September 1998 (1998-09-30) & JP 10 171994 A (OKI ELECTRIC IND CO LTD), 26 June 1998 (1998-06-26) abstract	1, 16, 39, 41, 43-49

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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.
P, X	WO 01 40846 A (P.DOSHI) 7 June 2001 (2001-06-07) page 5, line 10 -page 6, line 16 page 15, line 22 - line 26 page 22, line 6 -page 23, line 13 claims 1,2,11-18 -----	1-25, 39-49

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 08112566	A	07-05-1996	NONE	
JP 10171994	A	26-06-1998	NONE	
WO 0140846	A	07-06-2001	AU 4704601 A WO 0140846 A2 US 6315410 B1	12-06-2001 07-06-2001 13-11-2001