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(54) **Compositions and solventless process for digital laser imagable lithographic printing plate production**

(57) The invention comprises a waterless, multilayered lithographic printing plate imagable by digitally controlled laser ablation. The plate exhibits superior impression life and is produced by solventless methods to yield low VOC. The plate contains a first solid substrate layer; a second infra-red light absorbing polymeric layer containing crosslinked functionality; and a polysiloxane top layer containing crosslinked functionality. At least the second layer and top layer contain interlayer crosslinked bonds. Optionally, the plate may contain a prime polymeric layer interposed between the first and second layer.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	WO 93 23235 A (DU PONT DE NEMOURS & CO.) 25 November 1993 * page 17, line 4 - line 24 * * page 23, line 7 - line 27 * * the whole document * ---	1-12	B41C1/10 B41N1/12
A	EP 0 664 211 A (PRESSTEK, INC.) 26 July 1995 * the whole document * ---	1-19	
A	FR 2 264 671 A (SCOTT PAPER COMPANY) 17 October 1975 * page 2, line 37 - page 3, line 2 * * the whole document * -----	1-19	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B41C B41N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 June 1997	Examiner Martins-Lopes, L
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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