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(54) **Heat-sensitive lithographic printing plate precursor.**

(57) According to the present invention there is provided a positive-working lithographic printing plate precursor which comprises on a support having a hydrophilic surface or which is provided with a hydrophilic layer, an oleophilic coating comprising an infrared absorbing agent, an alkali-soluble polymeric binder and a

polysiloxane which comprises at least one carboxylic acid group or a salt thereof. The disclosed printing plate precursor has an improved sensitivity and at the same time a high under exposure latitude and a high developer resistance.

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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.7)
X	WO 01/70511 A (KODAK POLYCHROME GRAPHICS CO., LTD) 27 September 2001 (2001-09-27)	10	B41C1/10
A	* page 6, line 15 - page 14, line 26 *	1-9	B41M5/36

X	WO 01/70502 A (KODAK POLYCHROME GRAPHICS CO. LTD) 27 September 2001 (2001-09-27)	10	
A	* page 5, line 26 - page 14, line 11 *	1-9	

X	EP 0 847 853 A (KODAK POLYCHROME GRAPHICS LLC) 17 June 1998 (1998-06-17)	10	
A	* page 4, line 21 - page 7, line 57 *	1-9	

A,D	EP 0 950 517 A (AGFA-GEVAERT N.V) 20 October 1999 (1999-10-20)	1-10	
	* paragraphs [0029] - [0059] *		

A	US 4 974 513 A (YAMANE ET AL) 4 December 1990 (1990-12-04)	1-10	
	* column 2, line 27 - line 48 *		

			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B41C
			B41M
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
Munich		28 October 2005	Patosuo, S
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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28-10-2005

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0170511	A	27-09-2001	AU 4757201 A	03-10-2001
			EP 1268209 A2	02-01-2003
			JP 2003528342 T	24-09-2003
			US 6447884 B1	10-09-2002

WO 0170502	A	27-09-2001	AU 5088401 A	03-10-2001
			EP 1265753 A2	18-12-2002
			JP 2004517752 T	17-06-2004
			US 6458507 B1	01-10-2002

EP 0847853	A	17-06-1998	DE 69703963 D1	01-03-2001
			DE 69703963 T2	23-08-2001
			JP 10148941 A	02-06-1998
			WO 9821037 A1	22-05-1998
			US 6040115 A	21-03-2000

EP 0950517	A	20-10-1999	NONE	

US 4974513	A	04-12-1990	GB 2222553 A	14-03-1990
