



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 208 974 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
12.02.2003 Bulletin 2003/07

(51) Int Cl.7: **B41C 1/10**

(43) Date of publication A2:
29.05.2002 Bulletin 2002/22

(21) Application number: **01000543.7**

(22) Date of filing: **18.10.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

(30) Priority: **21.11.2000 EP 00204091**

(71) Applicant: **AGFA-GEVAERT
2640 Mortsel (BE)**

(72) Inventors:
• **Van Damme, Marc, c/o AGFA-GEVAERT
2640, Mortsel (BE)**
• **Sap, Wim, c/o AGFA-GEVAERT
2640, Mortsel (BE)**
• **Van Aert, Huub,2 c/o AGFA-GEVAERT
2640, Mortsel (BE)**

(54) **Processless lithographic printing plate**

(57) A negative-working heat-sensitive material for making a lithographic printing plate by direct-to-plate recording is disclosed. The material comprises in the order given a lithographic base having a hydrophilic surface, an oleophilic imaging layer and a cross-linked hydrophilic upper layer which comprises an organic com-

pound derived from sulfonic acid, sulfuric acid, phosphoric acid or phosphonic acid. Materials according to the invention are characterized by an increased water-acceptance in the non-printing areas, which allows a rapid start-up of the press.

EP 1 208 974 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 01 00 0543

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)
A	WO 98 34796 A (HORSELL GRAPHIC IND LTD ;SPOWAGE MARK JOHN (GB); RAY KEVIN BARRY () 13 August 1998 (1998-08-13) * page 5, line 9 - line 14 * * page 8, line 10 - line 21 * * page 18, line 19 - line 21 * * page 21, line 26 - line 31; claims 1,8; figure 1 *	1,3-10	B41C1/10
A	WO 99 19143 A (KODAK POLYCHROME GRAPHICS) 22 April 1999 (1999-04-22) * example 5 *	1,3-10	
D,A	WO 94 18005 A (VERMEERSCH JOAN TRIPHON ;VERBURGH YVES (BE); AGFA GEVAERT NV (BE);) 18 August 1994 (1994-08-18) * claims 1,12; example 6 *		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) B41C
Place of search THE HAGUE		Date of completion of the search 9 December 2002	Examiner Philosoph, 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			

EPO FORM 1503 03/92 (P04001)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 00 0543

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. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-12-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9834796	A	13-08-1998	AU 5994798 A	26-08-1998
			EP 0961691 A1	08-12-1999
			WO 9834796 A1	13-08-1998
			US 6138568 A	31-10-2000
WO 9919143	A	22-04-1999	US 6090524 A	18-07-2000
			DE 69805428 D1	20-06-2002
			EP 1023176 A1	02-08-2000
			JP 2001519262 T	23-10-2001
			WO 9919143 A1	22-04-1999
WO 9418005	A	18-08-1994	DE 69402537 D1	15-05-1997
			WO 9418005 A1	18-08-1994
			EP 0683728 A1	29-11-1995
			JP 2592225 B2	19-03-1997
			JP 8507727 T	20-08-1996