

(19)



Europäisches Patentamt  
European Patent Office  
Office européen des brevets



(11)

**EP 1 226 965 A3**

(12)

**EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**12.05.2004 Bulletin 2004/20**

(51) Int Cl.7: **B41M 5/00**

(43) Date of publication A2:  
**31.07.2002 Bulletin 2002/31**

(21) Application number: **02075135.0**

(22) Date of filing: **14.01.2002**

(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: **26.01.2001 US 771191**  
**26.01.2001 US 771189**

(71) Applicant: **EASTMAN KODAK COMPANY**  
**Rochester, New York 14650 (US)**

(72) Inventors:  
• **Bermel, Alexandra DeLauro,**  
**Eastman Kodak Company**  
**Rochester, New York 14650-2201 (US)**  
• **Shaw-Klein, Lori Jeanne,**  
**c/o Eastman Kodak Company**  
**Rochester, New York 14650-2201 (US)**

(74) Representative: **Haile, Helen Cynthia et al**  
**Kodak Limited**  
**Patent, W92-3A,**  
**Headstone Drive**  
**Harrow, Middlesex HA1 4TY (GB)**

(54) **Ink jet recording element and printing method**

(57) An ink jet recording element comprising a support having thereon a porous image-receiving layer comprising particles and a poly(vinyl alcohol) binder, the particles comprising a fumed metallic oxide, and the

binder having an average viscosity greater than 25 cp at 4% solids in an aqueous solution at 20°C and printing method using same.

**EP 1 226 965 A3**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 02 07 5135

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	DATABASE WPI Section Ch, Week 199502 Derwent Publications Ltd., London, GB; Class A82, AN 1995-011485 XP002249240 & JP 06 297832 A (ASAHI GLASS CO LTD), 25 October 1994 (1994-10-25) * abstract * ---	1-10	B41M5/00
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 04, 31 August 2000 (2000-08-31) & JP 2000 027093 A (KONICA CORP), 25 January 2000 (2000-01-25) * abstract * ---	1-10	
A	DATABASE WPI Section Ch, Week 199245 Derwent Publications Ltd., London, GB; Class A14, AN 1992-370547 XP002249241 & JP 04 272888 A (ASAHI GLASS CO LTD), 29 September 1992 (1992-09-29) * abstract * ---	1-10	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B41M
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 08, 30 June 1999 (1999-06-30) & JP 11 058943 A (KONICA CORP), 2 March 1999 (1999-03-02) * abstract * --- -/--	1-10	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 28 July 2003	Examiner Spyropoulou, E
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 03/82 (P04001)



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 02 07 5135

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	<p>DATABASE WPI Section Ch, Week 200059 Derwent Publications Ltd., London, GB; Class A97, AN 2000-614719 XP002249242 &amp; JP 2000 218927 A (KONICA CORP), 8 August 2000 (2000-08-08) * abstract *</p> <p style="text-align: center;">-----</p>	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search <b>MUNICH</b>		Date of completion of the search <b>28 July 2003</b>	Examiner <b>Spyropoulou, E</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>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</p> <p>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 ..... &amp; : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03.82 (P04C01)

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

EP 02 07 5135

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.

28-07-2003

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 6297832 A	25-10-1994	NONE	
JP 2000027093 A	25-01-2000	US 2003113514 A1	19-06-2003
JP 4272888 A	29-09-1992	NONE	
JP 11058943 3 A		NONE	
JP 2000218927 A	08-08-2000	NONE	

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82