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(54) **Cockle resistant inkjet paper**

(57) A minor but effective amount of a high surface area pigment having an affinity for water and a large internal pore volume is mixed with the filler pigments normally used in the paper basestock for inkjet recording

sheets so as to absorb excess water from the inks during printing and provide cockle resistance to the sheets.

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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 (IntCl7)
D,X	US 5 013 603 A (OGAWA MASAHIDE ET AL) 7 May 1991 (1991-05-07) * column 4, line 65 - column 5, line 15 * * column 5, line 55 - column 6, line 12 * * claim 4 *	1-7	D21H17/67 D21H21/16 B41M5/00
X	WO 99 26881 A (SATO SEIJI ;SHIMIZU TADASHI (JP); ASAHI CHEMICAL IND (JP)) 3 June 1999 (1999-06-03) * the whole document *	1,2,6	
P,X	& EP 1 035 073 A (ASAHI KASEI KOGYO KABUSHIKI KAISHA) 13 September 2000 (2000-09-13) * abstract * * paragraph [0026] * * paragraph [0033] * * paragraph [0039] *	1,2,6	
P,X	DATABASE WPI Section Ch, Week 200033 Derwent Publications Ltd., London, GB; Class G05, AN 2000-381201 XP002253243 & JP 2000 127615 A (NIPPON SILICA KOGYO KK), 9 May 2000 (2000-05-09) * abstract *	1,2	TECHNICAL FIELDS SEARCHED (IntCl7) D21H B41M
X	US 4 792 487 A (POLLART KENNETH A ET AL) 20 December 1988 (1988-12-20) * column 1, line 44 - line 46 *	1	
D,A	US 5 431 724 A (ADAMIC RAYMOND J ET AL) 11 July 1995 (1995-07-11) * the whole document *	1-7	
A	EP 0 634 285 A (JUJO PAPER CO LTD ;CANON KK (JP)) 18 January 1995 (1995-01-18) * the whole document *	1-7	
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 3 September 2003	Examiner Naeslund, P
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.**

EP 00 40 2745

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.

03-09-2003

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5013603	A	07-05-1991	JP 1779019 C	13-08-1993
			JP 4060434 B	28-09-1992
			JP 62292476 A	19-12-1987
			US 4915923 A	10-04-1990

WO 9926881	A	03-06-1999	AU 1174499 A	15-06-1999
			CA 2310776 A1	03-06-1999
			CA 2415784 A1	03-06-1999
			CN 1279649 T	10-01-2001
			EP 1035073 A1	13-09-2000
			WO 9926881 A1	03-06-1999
			TW 500694 B	01-09-2002
			US 2003031615 A1	13-02-2003

JP 2000127615	A	09-05-2000	NONE	

US 4792487	A	20-12-1988	NONE	

US 5431724	A	11-07-1995	NONE	

EP 0634285	A	18-01-1995	JP 3295494 B2	24-06-2002
			JP 7025136 A	27-01-1995
			JP 7025137 A	27-01-1995
			DE 69409041 D1	23-04-1998
			DE 69409041 T2	13-08-1998
			EP 0634285 A1	18-01-1995
			ES 2117176 T3	01-08-1998
			US 5567513 A	22-10-1996
			US 5714235 A	03-02-1998

EPO FORM P0489

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