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(54) Ink jet recording element and printing method

(57) An ink jet recording element having a substrate having thereon: a) a subbing layer of a polymeric binder and a borate or a borate derivative, the borate or borate derivative being present in an amount of from 3 to 50 g/m², and the weight ratio of the polymeric binder to the borate or borate derivative is from 0.2:1 to 2:1; and b)

an image-receiving layer having particles and a cross-linkable polymer containing hydroxyl groups, the cross-linkable polymer being present in an amount of from 20 to 150 g/m 2 , and the weight ratio of the cross-linkable polymer to the particles is from 10:90 to 30:70.



EUROPEAN SEARCH REPORT

Application Number EP 02 07 9884

Category	Citation of document with in of relevant passa	ndication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
Α	JP 11 291621 A (TOK ASAHI GLASS CO LTD) 26 October 1999 (19 * abstract * * paragraph [0001] * paragraph [0005] * paragraph [0007]	CUSHU PAPER MFG CO LTD; 099-10-26) * *		B41M5/00
A	EP 1 111 452 A (EAS 27 June 2001 (2001- * example 5 * * paragraph [0001] * paragraph [0014] * paragraph [0030] * paragraph [0087]	06-27) * - paragraph [0018] * *	1-10	
A	1 July 1992 (1992-0	t * 	1-10	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B41M
	The present search report has been present search	Date of completion of the search	<u> </u>	Examiner
The Hague		31 August 2004	Whe	lan, N
X : parti Y : parti docu A : tech O : non-	TEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anoth ment of the same category nological background written disclosure mediate document	L : document cited f	cument, but publis te in the application or other reasons	shed on, or

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

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31-08-2004

	Patent document ed in search report	1	Publication date	Patent family member(s)	Publication date
JP	11291621	Α	26-10-1999	NONE	
EP	1111452	А	27-06-2001	US 6419987 B1 EP 1111452 A2 JP 2001228580 A	16-07-200 27-06-200 24-08-200
EP	0493100	А	01-07-1992	JP 2021426 C JP 4223190 A JP 7037175 B AU 8806091 A EP 0493100 A1	19-02-199 13-08-199 26-04-199 02-07-199 01-07-199

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

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