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Dual density foam inking member and method of making the same.

This invention relates to an inking member made from a single, foraminous material. The foraminous material, such as polyurethane, is placed into a press. The top platen of the press is raised to a temperature of 380 to 450° F and the material is subjected to a pressure of 8,618kg/force on a 165mm ram load for a period approximately of 3.5 minutes. What results is an inking member having small pores in the area adjacent to the heated platen and larger pores in those portions of the pad that are distant from the heated platen. This yields a foraminous, member that has utility as an inking member with the small pore portion acting as an ink metering layer and the large pore portion acting as an ink reservoir layer.



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EUROPEAN SEARCH REPORT

Application Number
EP 94 30 4287

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.5)
A	EP-A-0 520 695 (BRIDGESTONE CORP.) * abstract *	2, 4, 7	B41J2/175 B41J2/17
A	US-A-5 132 170 (B.R. TERRY) * abstract *	1, 6, 9	
A	US-A-5 213 751 (B.R. TERRY) * claims 1, 2 *	1, 6, 9	
A	PATENT ABSTRACTS OF JAPAN vol. 17, no. 324 (M-1433) 21 June 1993 & JP-A-05 038 816 (BRIDGESTONE CORP.) 19 February 1993 * abstract *	4, 7	
			TECHNICAL FIELDS SEARCHED (Int.Cl.5)
			B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 March 1995	Examiner Zopf, K
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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