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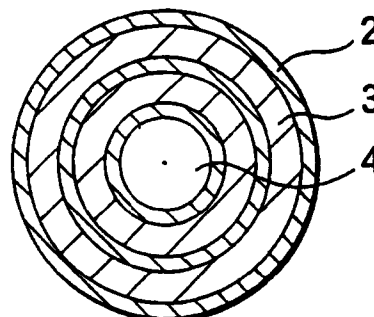
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(54) **Ink jet recording head and method for manufacturing the same**

(57) An ink jet recording head is formed by the steps of dipping a cavity pattern member alternately in a solution of an electrode material (2) and in a solution of a piezoelectric material (3), with a drying step interposed therebetween, to form a unitary body of the cavity pattern member and a laminate of the electric material and the piezoelectric material, and removing the cavity pattern member from the unitary body to form an ink cavity (4) inside the laminate. The ink cavity (4) has a circular cross-section and has a dimensional accuracy. The piezoelectric films (3) can apply a uniform pressure for jetting of ink. A simple process for manufacturing the ink jet recording head reduces the costs thereof.

FIG. 5





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EUROPEAN SEARCH REPORT

Application Number
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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 (Int.Cl.6)
X	DE-A-37 33 109 (SIEMENS AG) 13 April 1989 * the whole document *	1,2	B41J2/14 B41J2/16
X	--- PATENT ABSTRACTS OF JAPAN vol. 014, no. 132 (M-0948), 13 March 1990 & JP-A-02 003311 (NEC CORP), 8 January 1990, * abstract; figures *	3	
X	--- US-A-4 766 671 (UTSUMI KAZUAKI ET AL) 30 August 1988 * the whole document *	1,3	
A	--- EP-A-0 468 796 (NGK INSULATORS LTD) 29 January 1992 * column 11, line 12 - line 19 * * column 11, line 23 - line 28; claim 4 *	1-7	
A	--- EP-A-0 249 221 (SIEMENS AG) 16 December 1987 * column 3, line 36 - line 42; claim 3 *	4	

The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B41J
Place of search		Date of completion of the search	Examiner
THE HAGUE		20 December 1996	Didenot, B
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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