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(54) Ink jet printing machine

(57) An ink jet printing device is formed from silicon or similar material. The device is formed on a first plate (10) having an ink duct groove (11) and ink jet nozzles (15) communicating with the duct (11). The groove is closed by a second plate (16) having diaphragms (23) formed integrally therein, the diaphragms (23) being op-

posed to passages (12) to the nozzles (15). The diaphragms are movable between positions in which the passages (12) are open and closed respectively by heating of the diaphragms or by heating liquid in a closed reservoir (21) behind each diaphragm.

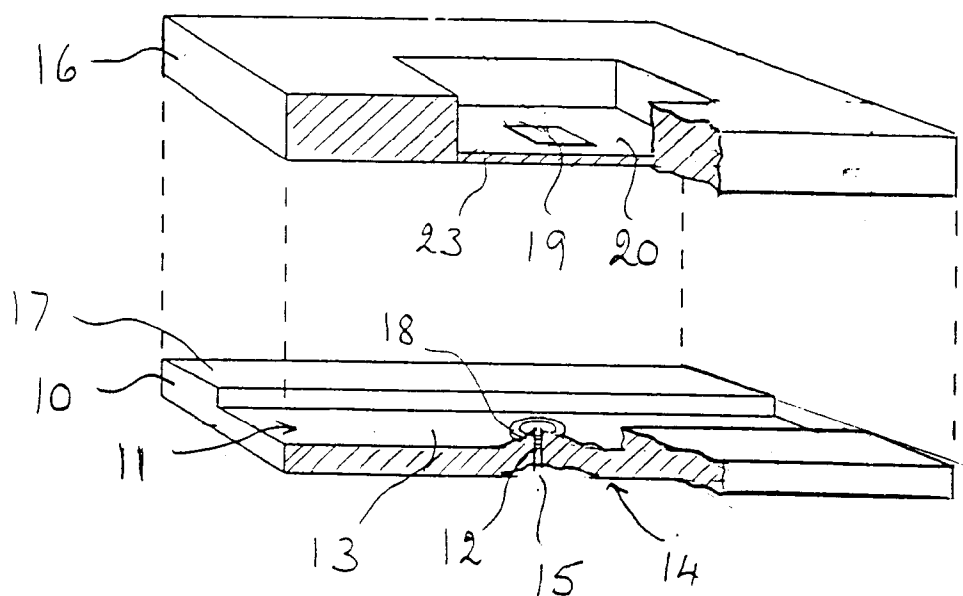


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 95 30 0563

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	EP-A-0 100 624 (HEWLETT-PACKARD) * the whole document *	1-4,6,7, 12-14	B41J2/05 B41J2/14
Y	---	5,9	
X	PATENT ABSTRACTS OF JAPAN vol. 005 no. 076 (M-069) ,20 May 1981 & JP-A-56 025464 (CANON INC) 11 March 1981, * abstract *	1,4	
X	US-A-4 723 131 (DROIT) * the whole document *	1,10,11	
A	PATENT ABSTRACTS OF JAPAN vol. 012 no. 475 (M-774) ,13 December 1988 & JP-A-63 197652 (CANON INC) 16 August 1988, * abstract *	2,3	
Y	US-A-5 021 808 (KABUSHIKI KAISHA TOSHIBA) * the whole document *	5,9	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	US-A-4 312 009 (LANGE) * the whole document *	5,9	B41J
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 March 1996	Examiner Meulemans, J-P
<p>CATEGORY OF CITED DOCUMENTS</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 & : member of the same patent family, corresponding document</p>			

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