

(19)



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(11)

EP 0 775 580 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
22.10.1997 Bulletin 1997/43

(51) Int Cl.⁶: **B41J 2/14, B41J 2/05**

(43) Date of publication A2:
28.05.1997 Bulletin 1997/22

(21) Application number: **96308587.3**

(22) Date of filing: **27.11.1996**

(84) Designated Contracting States:
DE FR GB IT NL

(30) Priority: **27.11.1995 KR 4390695**
10.10.1996 KR 4511896

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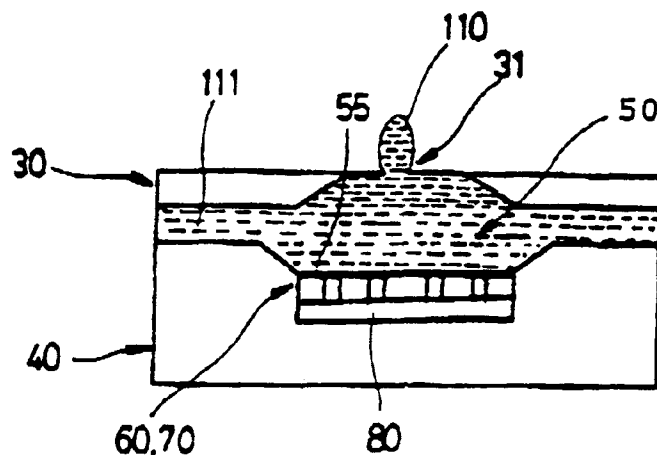
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(54) **Print head for bubble jet printer**

(57) A print head for a bubble jet printer which enables gray scale printing is provided. The print head includes a substrate (40) having a predetermined ink chamber (50) into which ink is supplied, a nozzle plate (30) having a plurality of nozzles (31) disposed above the substrate, a plurality of electrodes attached to the

substrate, and a heat generating unit having a plurality of heat generating subunits (61,62,63) corresponding to the nozzle and each connected to the plurality of electrodes. Therefore, the size of discharged ink bubbles is controlled by changing the area heated by the heat generating subunits.

FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 8587

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	US 4 251 824 A (HARA TOSHITAMI ET AL) 17 February 1981	1,2,7,8, 11,14-18	B41J2/14 B41J2/05
Y	* abstract *	3-5, 8-10,12, 13	
	* column 1, line 62 - column 2, line 62 *		
	* column 4, line 42 - column 5, line 62 *		
	* claims; figures 2B,2C *		

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 5 August 1997	Examiner 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			

EPO FORM 1503 (01.92) (P04C01)