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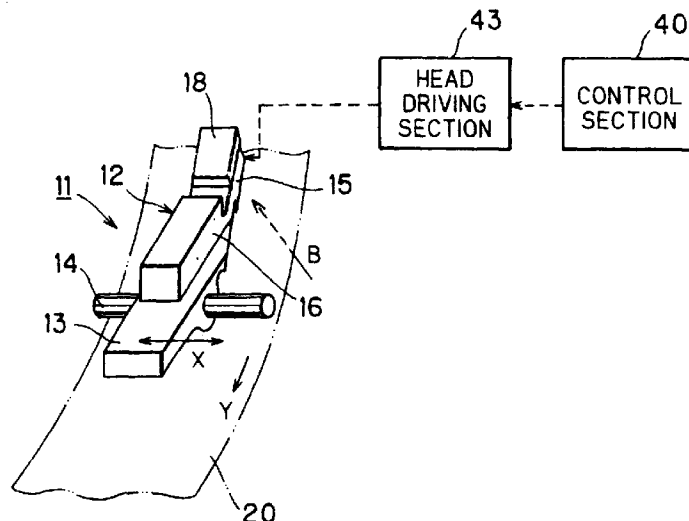
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(54) **Hot melt ink jet printer ejecting ink droplet of optimum quantity**

(57) When a recording density is set to more than 600 by 600 dpi in a hot melt printer, a recording image with excellent quality is obtained when a recording condition is determined to a specific range. For example, a quantity of an ink droplet ejected by the ink jet head is determined so that an ink clinging amount on a unit area of the recording paper is in a range from 7.2×10^6 to

2.1×10^7 pl/inch² when the dots are printed in an overall area of the unit area. This range varies when a pair of pressure rollers are provided for applying a pressure to the recording paper on which the dots are printed. This range also varies when a plate-shaped heating element is provided for heating the printed surface of the recording paper.

FIG. 2(a)





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 96 30 8894

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	WO 89 12215 A (SPECTRA INC) * page 11, line 18 - page 12, line 23; figure 2 *	11-13	B41J2/21 B41J11/00
A	* page 8, line 5 * * page 18, line 23 - line 25; figure 9 * ---	1	
X	US 5 021 805 A (IMAIZUMI MAMORU ET AL) * column 2, line 55 - line 65; figure 2 * * column 3, line 53 * ---	11-13	
A	PATENT ABSTRACTS OF JAPAN vol. 012, no. 424 (M-761), 10 November 1988 & JP 63 159081 A (CANON INC), 1 July 1988, * abstract * -----	1	
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	16 April 1998	De Groot, R	
CATEGORY OF CITED DOCUMENTS		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	
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			

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