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EUROPEAN PATENT APPLICATION

21 Application number: 83304566.9

51 Int. Cl.⁴: **B 41 J 3/04**

22 Date of filing: 08.08.83

30 Priority: 09.08.82 GB 8222863

43 Date of publication of application:
22.02.84 Bulletin 84/8

88 Date of deferred publication of search report: 02.05.85

84 Designated Contracting States:
AT BE CH DE FR GB IT LI LU NL SE

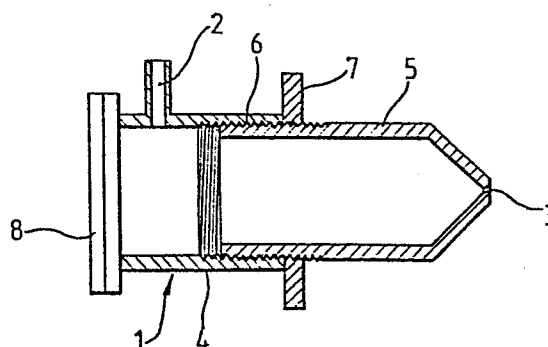
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54 **Nozzle for a jet printer and method of producing same.**

57 The nozzle of the invention comprises a housing (1) having an inlet (2) connectable to a source of liquid under pressure and an outlet orifice (3). The housing (1) comprises an inlet portion (4) and an outlet portion (5) which makes screw-threaded or other engagement with the inlet portion (4) whereby the portions (4, 5) can be adjusted relative to one another to vary the length of the liquid path between the inlet (2) and the outlet orifice (3). Vibrating means (8) is provided for applying regular pulses to a stream of liquid issuing from the outlet orifice (3) to cause the stream to break-up into drops of repeatable size and spacing. Preferably the housing portions (4, 5) are adjusted to adjust the resonant length of the liquid path to the resonant frequency of the vibrating means (8).





European Patent
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EUROPEAN SEARCH REPORT

0101279

Application number

EP 83 30 4566

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. 3)
P,X	US-A-4 375 066 (R.D. HERD) * Whole document *	1-3,6, 7,9,10	B 41 J 3/04
Y	DE-A-2 256 413 (OLYMPIA WERKE) * Whole document *	1,9	
A		6,7	
Y	IBM TECHNICAL DISCLOSURE BULLETIN, vol. 15, no. 3, August 1972, page 910, New York, USA; T.J. KOTASEK: "Replaceable ink jet nozzle" * Whole document *	1,9	
A	Idem	2,3	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
A	US-A-4 005 435 (D.E. LUNDQUIST) * Column 4, lines 36-63; figure 1 *	6-8,12	B 41 J B 05 B
A	US-A-4 154 402 (S.L. FLETCHER)		
A	US-A-4 105 050 (D.W. HENDRICKSON)		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-11-1984	Examiner VAN DEN MEERSCHAUT G
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	