



Europäisches Patentamt
European Patent Office
Office européen des brevets

Publication number:

0 076 708
A3

EUROPEAN PATENT APPLICATION

Application number: **82305345.9**

Int. Cl.³: **B 41 J 3/04**

Date of filing: **07.10.82**

Priority: **07.10.81 JP 159945/81**
07.10.81 JP 159947/81
28.04.82 JP 71983/82
28.04.82 JP 71985/82
28.04.82 JP 71986/82

Date of publication of application: **13.04.83**
Bulletin 83/15

Designated Contracting States: **DE FR GB**

Date of deferred publication of search
report: **23.05.84 Bulletin 84/21**

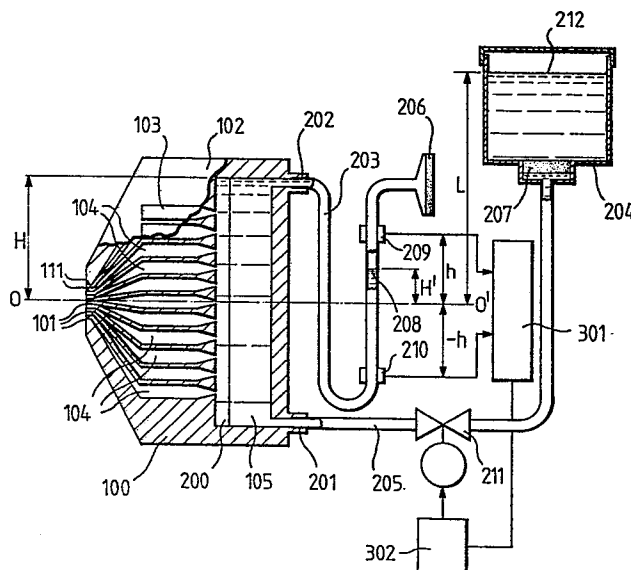
Applicant: **NEC CORPORATION, 33-1, Shiba 5-chome,
Minato-ku, Tokyo 108 (JP)**

Inventor: **Fukuchi, Hiromichi, c/o Nippon Electric Co.,
Ltd. 33-1 Shiba Gocho, Minato-ku Tokyo 108 (JP)**
Inventor: **Ushioda, Toyoji, c/o Nippon Electric Co.,
Ltd. 33-1 Shiba Gocho, Minato-ku Tokyo 108 (JP)**

Representative: **Orchard, Oliver John, JOHN ORCHARD
& CO. Staple Inn Buildings North High Holborn, London
WC1V 7PZ (GB)**

Multi-nozzle ink-jet print head of drop-on-demand type.

A multi-nozzle ink-jet print head of the drop-on-demand type has a plurality of ink ejection nozzles (101) connected to a common ink reservoir (105) via pressure chambers (104) and an ink-supply path (200) which has dimensions so small that ink is supplied from the ink reservoir (105) to the ejection nozzles (101) as a result of capillary action in the supply path (200).



EP 0 076 708 A3



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)
X	US-A-4 158 847 (HEINZL, KATTNER) * Figure 1; column 4, lines 10-35 *	1-3	B 41 J 3/04
A	--- DE-A-2 842 594 (SIEMENS) * Figures; page 6, line 30 - page 8, line 15 *	1,7,8	
A	--- US-A-3 835 881 (DAL, KEUR) * Figure 1; column 2, lines 44-58 *	1,7,8	
A,D	--- US-A-3 946 398 (KYSER, SEARS) * Figures 1-3; column 3, line 26 - column 4, line 67 *	1	
A	--- US-A-4 216 477 (MATSUDA et al.) -----	1,2	TECHNICAL FIELDS SEARCHED (Int. Cl. ³) B 41 J G 01 D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 15-12-1983	Examiner HERBELET J.C.
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			