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18.09.91 Bulletin 91/38(71) Applicant: **CANON KABUSHIKI KAISHA**
30-2, Shimomaruko 3-chome
Ota-ku Tokyo 146(JP)

(72) Inventor: **Arashima, Teruo**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)
Inventor: **Kimura, Makiko**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)
Inventor: **Kashino, Toshio**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)
Inventor: **Sugitani, Hiroshi**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Hattori, Yoshifumi**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Ikeda, Masami**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Saito, Asao**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Masuda, Kazuaki**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Saito, Akio**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

Inventor: **Orikasa, Tsuyoshi**
c/o Canon Kabushiki Kaisha, 3-30-2
Shimomaruko
Ohta-ku, Tokyo(JP)

(74) Representative: **Beresford, Keith Denis Lewis**
et al
BERESFORD & Co. 2-5 Warwick Court High
Holborn
London WC1R 5DJ(GB)

(54) **Ink jet cartridge and ink jet apparatus having same.**

(57) An ink jet cartridge includes a top plate (4) having an orifice plate (4a) in which ejection outlets (2) for permitting ejection of ink is formed and a portion for defining ink passages (7) communicating with the ink ejection outlets; a base plate (1) joined with the top plate (4) to define the ink passage; a

thin plate having a connecting region for pressing and fixing the orifice plate to the base member; an ink container (15c) for containing the ink to be supplied to the ink passages (7); wherein the thin plate is connected with the orifice plate (4a) at at least one of three sides of the orifice plate (4a).

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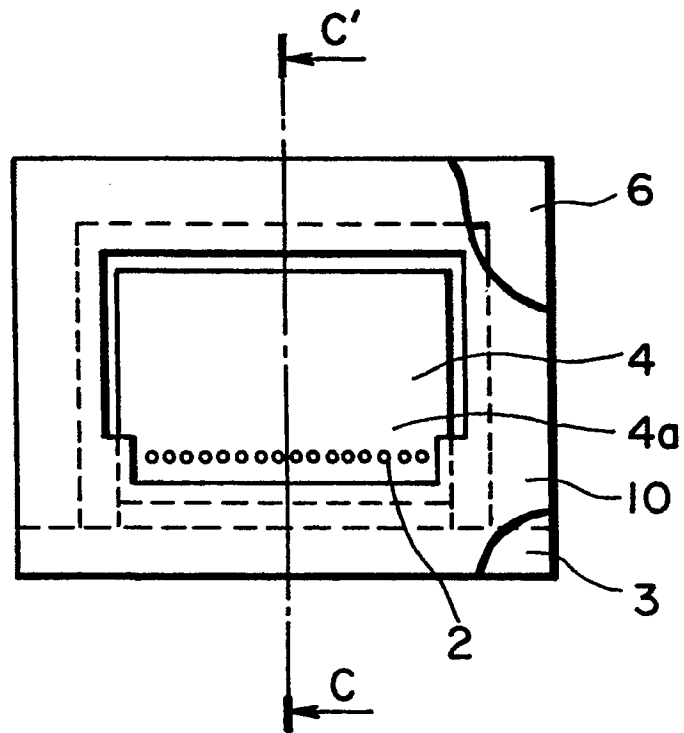


FIG. 1A



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EUROPEAN SEARCH REPORT

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EP 90 31 0168

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.5)
X	US-A-4 779 099 (LEWIS, A.M.) * abstract; figures ** column 3, line 63 - column 4, line 57 * - - -	1-5	B 41 J 2/135
A	DE-A-3 438 033 (SIEMENS AKTIENGESELLSCHAFT) * abstract; figures 1, 2 ** page 6, line 17 - page 8, line 10 * - - -	1-5	
A	US-A-4 533 927 (FUSAO IWAGAMI ET AL) * the whole document * - - -	5,6	
A	IBM TECHNICAL DISCLOSURE BULLETIN. vol. 23, no. 2, July 1980, NEW YORK US pages 783 - 784; Crooks, W. et al: "Membrane Nozzle Array with Reduced Thermal Expansion Mismatch Effect" * the whole document * - - -	7	
A	IBM TECHNICAL DISCLOSURE BULLETIN. vol. 21, no. 1, June 1978, NEW YORK US & Platakis N.S.: "Bonding Ink Jet Nozzle Plates to Base Plates" * the whole document * - - - - -	7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B 41 J
Place of search		Date of completion of search	Examiner
The Hague		12 July 91	ROBERTS N.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone		E : earlier patent document, but published on, or after the filing date	
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