

Title (en)  
Ink supply unit

Title (de)  
Tintenzufuhrvorrichtung

Title (fr)  
Système d'alimentation en encre

Publication  
**EP 0727314 A3 19980311 (EN)**

Application  
**EP 96102362 A 19960216**

Priority  
JP 2901095 A 19950217

Abstract (en)  
[origin: EP0727314A2] A main ink chamber 2 for housing a capillary member 3 and an intermediate ink chamber 4 are provided, between which a first meniscus formation member 8 is disposed. An ink guide member 9 is in contact with the bottom face of the first meniscus formation member 8 for supplying ink to the first meniscus formation member 8. The ink guide member 9 is held by ink guide member retainers 13 extending toward the ink guide member 9 from the wall of a communication hole 7 and is kept in contact with the first meniscus formation member 8. A larger number of the ink guide member retainers 13 are placed on the side of a joint port 11 and a smaller number thereof are placed on the side of the intermediate ink chamber 4 for guiding bubbles entering from the first meniscus formation member 8 to the side of the intermediate ink chamber 8 for preventing a move of the bubbles to the joint port 11 and the mixing of the bubbles into a print head. <IMAGE>

IPC 1-7  
**B41J 2/19**

IPC 8 full level  
**B41J 2/175** (2006.01); **B41J 2/19** (2006.01)

CPC (source: EP)  
**B41J 2/17513** (2013.01); **B41J 2/1752** (2013.01); **B41J 2/19** (2013.01)

Citation (search report)

- [A] EP 0562733 A2 19930929 - OLIVETTI & CO SPA [IT]
- [A] EP 0605183 A2 19940706 - OLIVETTI CANON IND SPA [IT]
- [A] EP 0529879 A1 19930303 - HEWLETT PACKARD CO [US]
- [PX] PATENT ABSTRACTS OF JAPAN vol. 095, no. 006 31 July 1995 (1995-07-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 620 (M - 1711) 25 November 1994 (1994-11-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 069 (M - 1212) 20 February 1992 (1992-02-20)

Cited by  
DE10202708B4; US5856838A; DE10362112B4; US5821965A; EP0728586A3; EP3354465A1; US6547379B2; US10457065B2; EP1159996B1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0727314 A2 19960821; EP 0727314 A3 19980311; EP 0727314 B1 20010124**; DE 69611628 D1 20010301; DE 69611628 T2 20010712; JP 2817653 B2 19981030; JP H08216424 A 19960827; TW 286355 B 19960921

DOCDB simple family (application)  
**EP 96102362 A 19960216**; DE 69611628 T 19960216; JP 2901095 A 19950217; TW 85100712 A 19960122