

Title (en)  
Ink supply unit

Title (de)  
Tintenzufuhrvorrichtung

Title (fr)  
Système d'alimentation en encre

Publication  
**EP 0727314 A2 19960821 (EN)**

Application  
**EP 96102362 A 19960216**

Priority  
JP 2901095 A 19950217

Abstract (en)  
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)

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

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