

Title (en)  
INK SYSTEM FOR AN INK JET MATRIX PRINTER

Publication  
**EP 0282049 B1 19921111 (DE)**

Application  
**EP 88103771 A 19880310**

Priority  
DE 3708120 A 19870313

Abstract (en)  
[origin: US4862192A] The ink jet matrix printer, with an ink system, includes a transport device for transferring thick ink from a first supply container and, independently thereof, solvent from a second supply container, into an ink chamber. Ink from this ink chamber is supplied under pressure to a write head. Ink is returned into the ink chamber via a collection channel, located across from the write head and intended for ink droplets which have not been diverted for writing purposes. The transport device uses pressurized air to transport the ink between an ink container, connected to the write head, a mixer container, connected to the two supply containers, and a collection container, connected to the collection channel. The mixer container can alternatively be connected to a suction line or a pressure line.

IPC 1-7  
**B41J 2/175**

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

CPC (source: EP US)  
**B41J 2/175** (2013.01 - EP US)

Cited by  
DE102015203334A1; DE102016217878A1; AU747217B2; DE102015203336A1; DE102015203327A1; DE102015203330A1;  
DE102016217877A1; DE102014224328A1; DE102016217879A1; DE102015203328A1; WO2018050521A1; WO2018050519A1; US9469119B2;  
US9498969B2; US9493007B2; US9809031B2; EP1064153B1; US9393796B2; US9393801B2

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**EP 0282049 A2 19880914; EP 0282049 A3 19890816; EP 0282049 B1 19921111**; AT E82196 T1 19921115; DE 3875757 D1 19921217;  
US 4862192 A 19890829

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