

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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