

Title (en)
Fluid delivery apparatus

Title (de)
Flüssigkeitsversorgungsvorrichtung

Title (fr)
Dispositif d'alimentation de fluide

Publication
EP 0956960 A2 19991117 (EN)

Application
EP 99303333 A 19990428

Priority

- US 18353898 A 19981029
- US 6971798 A 19980429
- US 6961698 A 19980429

Abstract (en)
In accordance with the invention, an ink-jet printing system and fluid supply configuration are disclosed that utilize the advantages of reactive fluids while allowing for maximum flexibility in the design and architecture of the ink-jet printing system. The ink-jet printing apparatus comprises a printhead portion having at least one integral printhead portion, the printhead portion having at least two ejector portions; and at least one reservoir portion associated with the printhead portion, the reservoir portion having at least two reservoir chambers, each reservoir chamber for providing fluid to one of the at least two ejector portions, one of the chambers including a reactant fluid and the other chamber including at least one ink nonreactive with the reactant fluid. <IMAGE>

IPC 1-7
B41J 2/175

IPC 8 full level
B41J 2/01 (2006.01); **B41J 2/175** (2006.01); **B41J 2/21** (2006.01)

CPC (source: EP KR)
B41J 2/01 (2013.01 - EP); **B41J 2/175** (2013.01 - KR); **B41J 2/17509** (2013.01 - EP); **B41J 2/2114** (2013.01 - EP)

Citation (applicant)

- US 5428383 A 19950627 - SHIELDS JAMES P [US], et al
- US 5181045 A 19930119 - SHIELDS JAMES P [US], et al
- US 5785743 A 19980728 - ADAMIC RAYMOND J [US], et al
- US 5679143 A 19971021 - LOOMAN STEVEN D [US]
- US 56797495 A 19951206
- US 6971798 A 19980429
- US 6961698 A 19980429
- US 6464398 A 19980422

Cited by
US6988796B2; GB2382798A; EP1361059A4; US6722765B2; EP1277585A1; NL1018564C2; US6726314B2; US6679585B2; EP1604833B1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0956960 A2 19991117; EP 0956960 A3 20000202; EP 0956960 B1 20061227; CN 1146502 C 20040421; CN 1239038 A 19991222;
DE 69934539 D1 20070208; DE 69934539 T2 20071004; ES 2277411 T3 20070701; JP 2000062157 A 20000229; JP 3801380 B2 20060726;
KR 100621298 B1 20060906; KR 19990083530 A 19991125; TW 442403 B 20010623

DOCDB simple family (application)
EP 99303333 A 19990428; CN 99107409 A 19990429; DE 69934539 T 19990428; ES 99303333 T 19990428; JP 11548099 A 19990422;
KR 19990015024 A 19990427; TW 88106839 A 19990428