

Title (en)

Nozzle cleaning device for an ink jet printer

Title (de)

Düsenreinigungsvorrichtung für einen Tintenstrahldrucker

Title (fr)

Dispositif de nettoyage des buses pour une imprimante à jet d'encre

Publication

EP 1555127 A1 20050720 (EN)

Application

EP 05100010 A 20050103

Priority

- EP 05100010 A 20050103
- EP 04075043 A 20040114

Abstract (en)

A nozzle cleaning device for an ink jet printer having a plurality of ink reservoirs, the cleaning device comprising a pressure source and a valve mechanism (22) for selectively coupling the pressure source to the ink reservoirs, characterized in that the valve mechanism comprises a valve housing (26) having a wall with a plurality of outlet ports (48), each of which is connected to one of the ink reservoirs, and a piston (28) movable in the valve housing and defining therewith a first pressure chamber (46) and having an inlet port (60) connected to the pressure source through a connector (52) and surrounded by a seal (54) which defines, together with said wall of the valve housing (26), a second pressure chamber (56) adapted to be brought into communication with a selected one of the outlet ports (48) through movement of the piston (28). <IMAGE>

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B41J 2/165

IPC 8 full level

B41J 2/165 (2006.01)

CPC (source: EP)

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Citation (search report)

- [AD] US 6095633 A 20000801 - HARSHBARGER KENNETH JAMES [US], et al
- [A] US 4558326 A 19851210 - KIMURA YOSHIKI [JP], et al
- [A] EP 0578334 A2 19940112 - CANON KK [JP]
- [A] EP 0615846 A1 19940921 - SEIKO EPSON CORP [JP]
- [A] WO 03053700 A1 20030703 - TEXDOT AB [SE], et al
- [A] US 5659347 A 19970819 - TAYLOR THOMAS N [US]

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