

Title (en)

Ink refilling apparatus for ink jet cartridge

Title (de)

Nachfüllvorrichtung für Farbstrahldruckpatrone

Title (fr)

Appareil de recharge pour cartouche d'impression par jet d'encre

Publication

EP 0711668 A3 19980211 (DE)

Application

EP 95117758 A 19951110

Priority

DE 4440561 A 19941112

Abstract (en)

[origin: EP0711668A2] The refilling system for the ink cartridge, of an ink jet printer, has a pump with a reversible flow direction. An electronic control gives a fully automatic control of the refilling operation. It activates the pump to transfer ink from the ink tank to the supply zone, until a given level is achieved. It then reverses the pump, to cancel the feed pressure and, if required, develop an underpressure in the ink supply station. The printing head is positioned in the mounting with the jet plate open upwards in the filling position. The pipe connections are flexible tubes pref. of silicon, PTFE or polyethylene.

IPC 1-7

B41J 2/175

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP US)

B41J 2/17506 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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