

Title (en)

Method of regulating pressure of ink cartridge and the pressure regulating device thereof

Title (de)

Verfahren zur Druckregelung einer Tintenpatrone und Vorrichtung zur Druckregelung

Title (fr)

Procede de regulation de pression dans une cartouche d'encre et dispositif de regulation de pression

Publication

**EP 1437224 A1 20040714 (EN)**

Application

**EP 03000454 A 20030110**

Priority

EP 03000454 A 20030110

Abstract (en)

A porous filter (70) allows external fluid to enter the ink cartridge (50) from a housing opening through a hollow tube comprising a sleeve (66) and a conduit (60), when the pressure difference between the ink cartridge and the external fluid is limited to constant range, so as to maintain the pressure of the ink cartridge within a specific range. An independent claim is included for pressure regulating mechanism.

IPC 1-7

**B41J 2/175**

IPC 8 full level

**B41J 2/175** (2006.01)

CPC (source: EP)

**B41J 2/17556** (2013.01)

Citation (search report)

- [A] EP 1199176 A1 20020424 - MICROJET TECHNOLOGY CO LTD [TW]
- [A] EP 1095781 A1 20010502 - MICROJET TECHNOLOGY CO LTD [TW]
- [A] WO 0149495 A1 20010712 - IPLEMB CO LTD [KR], et al
- [AD] US 5801737 A 19980901 - SATO YOHEI [JP], et al

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