

Title (en)

Apparatus for filling an ink tank

Title (de)

Vorrichtung zum Befüllen eines Tintentanks

Title (fr)

Dispositif pour remplir un réservoir d'encre

Publication

EP 1247649 A3 20030212 (DE)

Application

EP 02006722 A 20020323

Priority

DE 10116429 A 20010402

Abstract (en)

[origin: US2002139441A1] A device for filling an ink cartridge, particularly a refilling device for filling ink cartridges of ink-jet systems, such as printers and plotters, or other automatic registering, writing or drawing apparatus, includes a refilling container and an ink cartridge connected through an adaptor and arranged essentially one above the other in the filling position. The adaptor has at least two connections for the refilling container and the cartridge to be connected. A separate ink reservoir is arranged in the ink cartridge, wherein the ink reservoir of the ink cartridge and/or the filling container of the refilling container includes an easily deformable bag, and wherein the reservoir bag and/or container bag are of a flexible, elastic material. A hermetically sealed cartridge space is formed between the cartridge housing and the separate ink reservoir. The adaptor is constructed and dimensioned in such a way, that, together with the ink cartridge and the refilling container, the adaptor forms in the filling position a hermetically closed filling system and an additional air system between the hermetically sealed cartridge space and the atmosphere.

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CPC (source: EP US)

B41J 2/17506 (2013.01 - EP US); **B41J 2/17513** (2013.01 - EP US); **B41J 2002/17516** (2013.01 - EP US)

Citation (search report)

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