

Title (en)
An ink cartridge

Title (de)
Eine Tintenpatrone

Title (fr)
Une cartouche d'encre

Publication
EP 1086816 A3 20010627 (EN)

Application
EP 00309723 A 20001103

Priority
GB 9925988 A 19991103

Abstract (en)
[origin: GB2353763A] The ink cartridge comprises an ink tank 12 defined by surfaces 20,22, 28. A group of ink outlet apertures 38 disposed in a concentric arrangement (Fig.4) is defined in a septum 36 in the floor 28 of the ink tank. The ink tank floor is flat in the vicinity of the ink outlet apertures. A porous member 60 (e.g. sponge) fits snugly against the flat area of the tank floor to ensure a steady flow of ink stored in the sponge through the ink outlet apertures. The cartridge includes an ink supply port 16 to receive the end of an ink withdrawal needle 82. A seal 44 is provided in the ink supply port and defines an aperture 48 to receive the needle to enable the sealing thereof on insertion of the needle into the supply port. A cover 50 is provided over the seal aperture and is pierced by the needle on insertion. A protective guide 52 may be provided to align the needle with the aperture and to guide the needle into the aperture. The guide prevents damage to the seal if the cartridge is misaligned on the needle. The seal may be replaced by an insert seal (90, Fig.5) which includes a bore (92) and a triangular rib (94) which seals against the sides of the needle on insertion.

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B41J 2/175

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17513 (2013.01)

Citation (search report)

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