

Title (en)
Apparatus for filling cartridges

Title (de)
Füllvorrichtung für Kartuschen

Title (fr)
Dispositif pour remplir des cartouches

Publication
EP 1002718 B1 20030102 (DE)

Application
EP 99117248 A 19990902

Priority
DE 19853593 A 19981120

Abstract (en)
[origin: DE19853593C1] The filler for printer cartridges has a cylindrical filling spigot (12) with a concentric flow bore (52) for the filling material. A pressure casing (46) concentrically surrounds the spigot. Claws (40) are mounted on the end of the spigot to receive the end of the cartridge and a valve cap pushed the spigot rearwardly to allow filling.

IPC 1-7
B65B 3/04; **B65B 39/00**

IPC 8 full level
B41F 31/08 (2006.01); **B65B 3/04** (2006.01); **B65B 3/12** (2006.01); **B65B 39/00** (2006.01); **B65B 39/10** (2006.01)

CPC (source: EP US)
B65B 3/04 (2013.01 - EP US); **B65B 39/004** (2013.01 - EP US)

Designated contracting state (EPC)
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DE 19853593 C1 20000420; DE 59903904 D1 20030206; EP 1002718 A1 20000524; EP 1002718 B1 20030102; JP 2000153801 A 20000606; JP 3270032 B2 20020402; US 6196282 B1 20010306

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