

Title (en)
AN INK CARTRIDGE

Title (de)
TINTENPATRONE

Title (fr)
CARTOUCHE D ENCRE

Publication
EP 1942005 A4 20090708 (EN)

Application
EP 06722092 A 20060321

Priority
• CN 2006000440 W 20060321
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Abstract (en)
[origin: EP1942005A1] An ink cartridge for a universal printer includes a liquid accommodation chamber and an air pressure-difference valve connected to the liquid accommodation chamber to keep it in a negative pressure state. The air pressure-difference valve includes a front valve body or an ink storage chamber, a valve membrane, a rear valve body or a cap, an air hole, and an air tank. The air tank is formed in the rear valve body. A boss protrudes at a central portion of a bottom of the air tank. A small round hole having a rim is formed in the valve membrane. The round hole is pressed by the boss protruding from the rear valve body. The air pressure-difference valve is disposed in the ink storage chamber or on a front cover. The front cover or the ink storage chamber has an air hole in communication with atmospheric air.

IPC 8 full level
B41J 2/175 (2006.01)

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B41J 2/17513 (2013.01); **B41J 2/17596** (2013.01)

Citation (search report)
• [X] EP 1199178 A1 20020424 - SEIKO EPSON CORP [JP]
• [X] EP 1125747 A2 20010822 - SEIKO EPSON CORP [JP]
• [X] EP 1016533 A1 20000705 - SEIKO EPSON CORP [JP]
• [X] US 6193364 B1 20010227 - IIDA YUJI [JP]
• [X] JP H09290514 A 19971111 - SEIKO EPSON CORP
• See references of WO 2007014504A1

Designated contracting state (EPC)
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