

Title (en)
Ink cartridges

Title (de)
Tintenstrahldruckpatronen

Title (fr)
Des cartouches d'impression

Publication
EP 2095954 A1 20090902 (EN)

Application
EP 08003694 A 20080228

Priority
EP 08003694 A 20080228

Abstract (en)
In order to prevent increase of bubbles in the neighborhood of an ink supply port when the pressure in an ink chamber is returned to atmospheric air pressure, an ink cartridge (100) has an ink supply valve (90). The ink supply valve (90) is accommodated in a valve accommodating chamber (54) formed at the lower portion of a front wall (34) side of a main body (40). An ink supply chamber (107) is provided at the back side of the valve accommodating chamber (54). The valve accommodating chamber (54) and the ink supply chamber (107) communicates with each other through a hole (110). An ink flow channel (200) is provided so as to extend from the ink supply chamber (107) along the bottom surface (171) of the ink chamber (102). The ink flow channel (200) extends to the back wall (35). A hole (203) for leading ink from the ink chamber (102) to the ink flow channel (200) is formed at one end side in the direction to the back wall.

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17513 (2013.01); **B41J 2/17566** (2013.01); **B41J 2002/17576** (2013.01)

Citation (applicant)
US 7192128 B1 20070320 - HATTORI SHINGO [JP], et al

Citation (search report)
• [X] US 7192128 B1 20070320 - HATTORI SHINGO [JP], et al
• [X] EP 1170135 A1 20020109 - SEIKO EPSON CORP [JP]
• [X] US 2003030707 A1 20030213 - SASAKI TOYONORI [JP]
• [X] US 2003142183 A1 20030731 - RODRIGUEZ MOJICA JULIO A [US], et al

Cited by
CN108556486A; JP2016185642A; JP2019130767A; JP2016185650A

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DE FR GB NL

Designated extension state (EPC)
AL BA MK RS

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