

Title (en)
Ink cartridge

Title (de)
Tintenpatrone

Title (fr)
Cartouche d'encre

Publication
EP 1772277 A3 20070516 (EN)

Application
EP 06013005 A 20060623

Priority
• JP 2005284646 A 20050929
• JP 2005342689 A 20051128
• JP 2006081806 A 20060323

Abstract (en)
[origin: EP1772277A2] An ink cartridge comprising: an ink storing member defining therein an ink storing chamber for storing ink; and a movable member which is provided in the ink storing chamber and is configured to be moved as an amount of the ink in the ink chamber decreases, wherein the movable member includes a light shutting member which is movable in response to the motion of the movable member, wherein the ink storing member includes a detected portion and the detected portion includes therein a passage in which the light shutting member is movably positioned and the passage is formed by a pair of walls that are substantially parallel to a moving plane on which the moving member moves, the ink cartridge being characterized in that: a pair of first spaces is provided between the light shutting member and the pair of walls, the detected portion includes at least one second space below the light shutting member, which is connected to the pair of the first spaces, and in that the second space is narrower than one of the first spaces.

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17566 (2013.01); **B41J 2002/17573** (2013.01); **B41J 2002/17576** (2013.01)

Citation (search report)
• [A] JP H08281966 A 19961029 - MATSUSHITA ELECTRIC IND CO LTD
• [A] US 6390590 B1 20020521 - HANSBURG EDWARD MICHAEL [US]
• [PA] US 2006033789 A1 20060216 - SASAKI TOYONORI [JP], et al

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EP2481594A3; CN110065307A; US8678572B2; US9033479B2; US11148430B2; US11897268B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1772277 A2 20070411; **EP 1772277 A3 20070516**; **EP 1772277 B1 20080813**; AT E404377 T1 20080815; DE 202006020553 U1 20081127; DE 602006002217 D1 20080925; WO 2007037527 A1 20070405; WO 2007037527 A9 20070531

DOCDB simple family (application)
EP 06013005 A 20060623; AT 06013005 T 20060623; DE 202006020553 U 20060623; DE 602006002217 T 20060623; JP 2006320003 W 20060929