

Title (en)
LIQUID CARTRIDGE

Title (de)
FLÜSSIGKEITSKARTUSCHE

Title (fr)
CARTOUCHE DE LIQUIDE

Publication
EP 3300897 A1 20180404 (EN)

Application
EP 16191126 A 20160928

Priority
EP 16191126 A 20160928

Abstract (en)
The present invention relates to a liquid cartridge (30) storing liquid therein and configured to be mounted on a cartridge mounting portion, the liquid cartridge comprises a liquid supply port (71), a third wall (133) extending between upper end portions of first and second walls (128, 129); and a prism (78) having an irradiated surface (78A) configured to receive light emitted from a light emitting portion included in the cartridge mounting portion and change the state of received light in response to a level of stored liquid, wherein the liquid supply port (71) is positioned below the third wall in a downward direction; and the irradiated surface is positioned above the third wall in an upward direction and positioned between the first and second walls (128, 129).

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/17509 (2013.01); **B41J 2/17513** (2013.01); **B41J 2/1752** (2013.01); **B41J 2/17553** (2013.01); **B41J 2/17566** (2013.01); **B41J 2/17596** (2013.01); **B41J 2002/17573** (2013.01)

Citation (applicant)
JP 2012096449 A 20120524 - S T SANGYO KK

Citation (search report)
• [X] EP 2982515 A1 20160210 - BROTHER IND LTD [JP]
• [X] EP 1518692 A1 20050330 - CANON KK [JP]
• [X] US 6378971 B1 20020430 - TAMURA NOBORU [JP], et al
• [X] US 2006007283 A1 20060112 - SACCO HENRY J JR [US], et al
• [A] US 2012182365 A1 20120719 - MA HAOMING [CN]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3300897 A1 20180404; **EP 3300897 B1 20200826**; EP 3753737 A1 20201223; EP 3753737 B1 20230405

DOCDB simple family (application)
EP 16191126 A 20160928; EP 20186598 A 20160928