

Title (en)

LIQUID CARTRIDGE AND SYSTEM USING THE SAME

Title (de)

FLÜSSIGKEITSKARTUSCHE UND SYSTEM MIT VERWENDUNG DAVON

Title (fr)

CARTOUCHE DE LIQUIDE ET SYSTÈME L'UTILISANT

Publication

EP 3616919 A1 20200304 (EN)

Application

EP 18192065 A 20180831

Priority

EP 18192065 A 20180831

Abstract (en)

There is provided a liquid cartridge attachable to an attachment portion. The attachment portion includes: a holder providing an accommodation space; a tube formed with an opening; a valve movable between an open position opening the opening and a closed position closing the opening; a protrusion protruding from the valve toward the accommodation space; and a spring urging the valve toward the closed position. The liquid cartridge includes: a liquid chamber; a communication passage extending from the liquid chamber in a first direction to have an open end; a sealing member fitted to the communication passage; and a surface positioned closer to the liquid chamber than the sealing member to the liquid chamber in the first direction. In an attached state, the tube extends through the open end and sealing member, the opening is positioned in the communication passage, and the surface is in contact with the protrusion and tube.

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP)

B41J 2/17513 (2013.01); **B41J 2/1752** (2013.01); **B41J 2/17523** (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17546** (2013.01); **B41J 2/17553** (2013.01)

Citation (applicant)

JP 2006095817 A 20060413 - SEIKO EPSON CORP

Citation (search report)

- [X1] US 2018244061 A1 20180830 - HAYASHI MASAHIRO [JP], et al
- [X1] US 9315034 B2 20160419 - ONO AKIHITO [JP], et al
- [X1] EP 3210785 A1 20170830 - RISO KAGAKU CORP [JP]
- [X1] US 5606988 A 19970304 - PAWLOWSKI JR NORMAN E [US]

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 3616919 A1 20200304

DOCDB simple family (application)

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