

Title (en)  
LIQUID SUPPLY APPARATUS

Title (de)  
FLÜSSIGKEITZUFUHRVORRICHTUNG

Title (fr)  
APPAREIL D'ALIMENTATION DE LIQUIDE

Publication  
**EP 3153320 A1 20170412 (EN)**

Application  
**EP 16191131 A 20160928**

Priority  
JP 2015198179 A 20151006

Abstract (en)  
A liquid supply apparatus includes an attaching portion into which a liquid cartridge is inserted in a first direction. The liquid cartridge includes a first portion and a locking surface. The attaching portion includes a locking portion and a cover which is pivotally movable between an open posture and a closed posture and has a second portion and a protrusion protruding therefrom. The liquid cartridge is pivotally movable in the attaching portion between a first posture and a second posture. In the movement of the cover from the open posture toward the closed posture, the protrusion abuts on the first portion to move the liquid cartridge in the second posture in the first direction until the locking surface is positioned further in the first direction relative to the locking portion while the cover holds the liquid cartridge to prevent the liquid cartridge from changing its posture to the first posture.

IPC 8 full level  
**B41J 2/175** (2006.01)

CPC (source: CN EP)  
**B41J 2/17503** (2013.01 - CN); **B41J 2/17509** (2013.01 - EP); **B41J 2/17513** (2013.01 - EP); **B41J 2/1752** (2013.01 - EP);  
**B41J 2/17523** (2013.01 - EP); **B41J 2/17553** (2013.01 - EP); **B41J 2/17566** (2013.01 - EP); **B41J 2002/17576** (2013.01 - EP)

Citation (applicant)  
• JP 2002508720 A 20020319  
• JP 2005074979 A 20050324 - SEIKO EPSON CORP

Citation (search report)  
• [I] US 2011096127 A1 20110428 - ISHIBE AKINARI [JP], et al  
• [I] US 2004196333 A1 20041007 - YOSHIYAMA MASATOSHI [JP], et al  
• [I] EP 2070706 A1 20090617 - BROTHER IND LTD [JP]  
• [E] EP 3112168 A1 20170104 - BROTHER IND LTD [JP]

Cited by  
CN114103466A; CN114932753A; EP3546223A1; US10343410B2; US10688794B2; US10118399B2; WO2019026121A1; US10493765B2; US11077669B2; US2022016897A1; US11897267B2; US10357976B2; US10449771B2; US10703107B2; US11065880B2; US11571907B2; US11890876B2

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 3153320 A1 20170412; EP 3153320 B1 20201118**; CN 106985534 A 20170728; CN 106985534 B 20191022; JP 2017071091 A 20170413; JP 6597146 B2 20191030

DOCDB simple family (application)  
**EP 16191131 A 20160928**; CN 201610864738 A 20160929; JP 2015198179 A 20151006