

Title (en)  
LIQUID CARTRIDGE

Title (de)  
FLÜSSIGKEITSKARTUSCHE

Title (fr)  
CARTOUCHE DE LIQUIDE

Publication  
**EP 3960472 A1 20220302 (EN)**

Application  
**EP 20193572 A 20200831**

Priority  
EP 20193572 A 20200831

Abstract (en)  
A liquid cartridge includes: a housing (130); a circuit board (64) including an electrode (65); and an ink supply portion (34) extending from the housing in a depth direction (51). The housing includes: an cover (134); and a base (130B) provided with a plurality of engaging pawls (88). The cover (134) includes: a top wall (39); a peripheral wall (82, 83, 84, 85) formed with a plurality of engaging holes (86) for engagement with the engaging pawls (88); a support portion supporting the circuit board; a first protrusion (43) and a second protrusion (67) protruding from the top wall. The plurality of engaging holes is open in a width direction and includes a first engaging hole and a second engaging hole spaced away from each other in the depth direction. A front end of the second protrusion is positioned further frontward than a foremost edge of the first engaging hole that is positioned foremost in the depth direction among the plurality of engaging holes.

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

CPC (source: EP)  
**B41J 2/1752** (2013.01); **B41J 2/17523** (2013.01); **B41J 2/17526** (2013.01); **B41J 2/17553** (2013.01)

Citation (applicant)  
JP 2019064046 A 20190425 - BROTHER IND LTD

Citation (search report)  
• [XA] WO 2019026123 A1 20190207 - BROTHER IND LTD [JP]  
• [X] WO 2019186856 A1 20191003 - BROTHER IND LTD [JP]  
• [XA] US 2019100018 A1 20190404 - TAKAHASHI HIROAKI [JP], et al  
• [A] US 2020001614 A1 20200102 - NAKAZAWA FUMIO [JP], et al

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 3960472 A1 20220302; EP 3960472 B1 20230517**

DOCDB simple family (application)  
**EP 20193572 A 20200831**