

Title (en)
LIQUID CARTRIDGE

Title (de)
FLÜSSIGKEITSKARTUSCHE

Title (fr)
CARTOUCHE DE LIQUIDE

Publication
EP 3960471 A1 20220302 (EN)

Application
EP 20193567 A 20200831

Priority
EP 20193567 A 20200831

Abstract (en)
A liquid cartridge includes a housing (130), a circuit board (64) including an electrode (65), and a liquid supply portion (34) extending from the housing (130) in a depth direction. The housing (130) includes a top wall (39), and first and second protrusions protruding upward from the top wall (39). The first protrusion (43) is positioned rearward but the second protrusion (67) is positioned frontward relative to the circuit board (64). The first protrusion (43) is higher than an upper edge of a front end of the second protrusion (67). No part of the liquid cartridge is positioned higher in a height direction than an imaginary plane (150) in a region between a first point on the first protrusion and a second point on the second protrusion (the upper edge of the front end of the second protrusion) in the depth direction. The imaginary plane (150) passes through the first and second points, and extends perpendicularly to the depth direction.

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: EP)
B41J 2/1752 (2013.01); **B41J 2/17523** (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17553** (2013.01)

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

Citation (search report)
• [X] WO 2019186856 A1 20191003 - BROTHER IND LTD [JP]
• [A] US 2019193412 A1 20190627 - HORADE KENTA [JP], et al
• [A] US 2013050357 A1 20130228 - KANBE TOMOHIRO [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 3960471 A1 20220302; EP 3960471 B1 20230405

DOCDB simple family (application)
EP 20193567 A 20200831