

Title (en)

Printing fluid cartridge, printing apparatus, and use of printing fluid cartridge

Title (de)

Druckflüssigkeitspatrone, Druckvorrichtung und Verwendung der Druckflüssigkeitspatrone

Title (fr)

Cartouche de liquide d'impression, appareil d'impression et utilisation de la cartouche de liquide d'impression

Publication

**EP 2848409 A3 20160224 (EN)**

Application

**EP 14183672 A 20111222**

Priority

- EP 14183672 A 20111222
- EP 11195258 A 20111222

Abstract (en)

[origin: EP2607083A1] A printing fluid cartridge is configured to be inserted into a cartridge mounting portion in an insertion direction against a biasing force in a removal direction opposite the insertion direction. The printing fluid cartridge includes a front face, a rear face positioned opposite the front face, at least one electrical interface positioned between the front face and the rear face, and an engagement surface. The at least one electrical interface and the engagement surface are exposed to an exterior of the printing fluid cartridge in a particular direction perpendicular to the insertion direction, the at least one electrical interface is positioned more forward than the engagement surface with respect to the insertion direction, and the at least one electrical interface and the engagement surface intersect a plane which is parallel with the insertion direction and the particular direction.

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 2/17526** (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17546** (2013.01); **B41J 2/17553** (2013.01); **B41J 2/17566** (2013.01)

Citation (search report)

- [X] EP 1512536 A1 20050309 - SEIKO EPSON CORP [JP]
- [X] WO 9855318 A1 19981210 - HEWLETT PACKARD CO [US], et al
- [X] EP 1234675 A2 20020828 - CANON KK [JP]
- [X] US 2010277555 A1 20101104 - KATOH TOMOMI [JP], et al
- [X] EP 0713778 A2 19960529 - LEXMARK INT INC [US]
- [X] EP 0778145 A1 19970611 - HEWLETT PACKARD CO [US]
- [X] US 2007139495 A1 20070621 - HATTORI SHINGO [JP], et al
- [X] EP 1164025 A1 20011219 - SEIKO EPSON CORP [JP]

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

DOCDB simple family (publication)

**EP 2607083 A1 20130626**; **EP 2607083 B1 20141105**; DK 2607083 T3 20141215; EP 2848409 A2 20150318; EP 2848409 A3 20160224; EP 2848409 B1 20190227; EP 3492266 A1 20190605; EP 3492266 B1 20210623; ES 2523919 T3 20141202; PL 2607083 T3 20150331

DOCDB simple family (application)

**EP 11195258 A 20111222**; DK 11195258 T 20111222; EP 14183672 A 20111222; EP 19151593 A 20111222; ES 11195258 T 20111222; PL 11195258 T 20111222