

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 2607082 B2 20220615 (EN)

Application

EP 11195247 A 20111222

Priority

EP 11195247 A 20111222

Abstract (en)

[origin: EP2607082A1] A printing fluid cartridge is configured to be mounted to a cartridge mounting portion including an optical sensor and at least one contact. The printing fluid cartridge includes at least one electrical interface configured to be electrically connected to the at least one contact, and a light attenuating portion configured to be inserted between a light emitter and a light receiver of the optical sensor and to be detected by the optical sensor.

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 (opposition)

Opponent :

- EP 1348559 A2 20031001 - SEIKO EPSON CORP [JP]
- OHIM Design 001831512-0002 of 07/03/2011

Cited by

US9802419B2; US9738083B2; CN107960066A; CN104015494A; JP2016185652A; US2016279959A1; EP3112167A1; EP3300902A1; CN107878036A; EP3112168A1; EP3613596A1; EP3112165A1; EP3674091A1; US9724928B2; EP3112163A1; EP3623160A1; EP3112166A1; EP3556564A1; US10232631B2; US10022974B2; US10688795B2; US10549540B2; EP3112162A1; EP3560720A1; EP3785920A1; EP4039480A1; EP3112164A1; EP3453534A1; EP3702162A1; EP3978255A1; US9815288B2; US10081192B2; US10399345B2; US10618294B2; US9656472B2; US10226935B2; US10759177B2; US11453221B2; DE202013007283U1; DE102014101162A1; US9550366B2; US9862200B2; US10239322B2; US10596819B2; US10960676B2; US11685162B2; US12017461B2

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DOCDB simple family (publication)

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EP 11195247 A 20111222; DK 11195247 T 20111222; EP 14181697 A 20111222; EP 15161569 A 20111222; EP 19192545 A 20111222; EP 21184304 A 20111222; ES 11195247 T 20111222; ES 14181697 T 20111222; ES 15161569 T 20111222; HU E14181697 A 20111222; PL 11195247 T 20111222; PL 14181697 T 20111222