

Title (en)

INK CARTRIDGE CHIP, INK CARTRIDGE AND INK-JET PRINTER

Title (de)

TINTENPATRONENCHIP, TINTENPATRONE UND TINTENSTRAHLDRUCKER

Title (fr)

PUCE DE CARTOUCHE D'ENCRE, CARTOUCHE D'ENCRE ET IMPRIMANTE À JET D'ENCRE

Publication

EP 3498477 A1 20190619 (EN)

Application

EP 17838541 A 20170720

Priority

- CN 201610664615 A 20160812
- CN 201610662489 A 20160812
- CN 201610662790 A 20160812
- CN 201611008544 A 20161116
- CN 2017093750 W 20170720

Abstract (en)

This application discloses an ink cartridge chip, an ink cartridge, and an ink-jet printer. The ink cartridge chip is configured to electrically connect to contact pins in an installation portion, an accommodation groove is provided on the ink cartridge chip, and contact portions configured to come into contact with the contact pins are disposed in the accommodation groove. According to the ink cartridge chip, the ink cartridge, and the ink-jet printer provided in the present invention, an accommodation groove that can accommodate contact pins is provided on the ink cartridge chip, and at least two inner contact portions configured to come into contact with the contact pins are disposed in the accommodation groove, to avoid that during installation of the ink cartridge chip, if the chip deviates, the contact pin may not slide into a notch, easily causing cases of poor contact of the chip and damage to (bending of) the contact pin, and ensure stable and effective contact between the ink cartridge chip and the contact pin, thereby improving use stability and reliability of the ink cartridge chip, and facilitating market promotion and application.

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP)

B41J 2/1752 (2013.01); **B41J 2/1753** (2013.01); **B41J 2/17546** (2013.01); **B41J 2/17553** (2013.01)

Cited by

US11499991B2; US11982687B2

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 3498477 A1 20190619; **EP 3498477 A4 20200422**; **EP 3498477 B1 20210512**; JP 2019521889 A 20190808; JP 6709321 B2 20200610; WO 2018028411 A1 20180215

DOCDB simple family (application)

EP 17838541 A 20170720; CN 2017093750 W 20170720; JP 2019502218 A 20170720