Title (en)

CHIP AND INK CARTRIDGE

Title (de)

CHIP UND TINTENPATRONE

Title (fr)

PUCE ET CARTOUCHE D'ENCRE

Publication

EP 3666527 B1 20211222 (EN)

Application

EP 18865563 A 20180809

Priority

- CN 201721313686 U 20171012
- CN 201711397088 A 20171221
- CN 201721807245 U 20171221
- CN 2018099628 W 20180809

Abstract (en)

[origin: EP3666527A1] The present invention provides a chip and an ink cartridge. The chip is used for being installed on the ink cartridge, and the ink cartridge is used for being installed in an installation portion of a printer along an installation direction. The chip includes a memory, first contact portions used for installation detection, and second contact portions. At least one second contact portion is electrically connected to the memory. The first contact portions and the second contact portions are respectively in contact with a stylus in the printer. The first contact portions are arranged in a plurality of lines in the installation direction. In the installation direction, one or more lines formed by the second contact portions are disposed between the plurality of lines formed by the first contact portions, or the plurality of lines formed by the first contact portions are disposed between a plurality of lines formed by the second contact portions. Such a structure in which the first contact portions and the second contact portions are arranged in different lines helps reduce burr waves generated due to non-contact electromagnetic interference caused by a voltage difference between the first contact portions and the second contact portions, and free the terminals of an erroneous data signal, thereby ensuring that the chip works normally.

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: CN EP)

B41J 2/1752 (2013.01 - EP); **B41J 2/17523** (2013.01 - EP); **B41J 2/1753** (2013.01 - EP); **B41J 2/17546** (2013.01 - CN EP)

Cited by

WO2023000647A1

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 3666527 A1 20200617; **EP 3666527 A4 20201202**; **EP 3666527 B1 20211222**; CN 107901611 A 20180413; CN 107901611 B 20230620; CN 115246270 A 20221028; CN 115246270 B 20240312; CN 207790032 U 20180831; JP 2019073004 A 20190516; JP 2023052865 A 20230412; JP 7261553 B2 20230420; JP 7442702 B2 20240304; WO 2019072010 A1 20190418

DOCDB simple family (application)

EP 18865563 A 20180809; CN 201711397088 A 20171221; CN 201721807245 U 20171221; CN 2018099628 W 20180809; CN 202210006104 A 20171221; JP 2018172903 A 20180914; JP 2023014785 A 20230202