

Title (en)

INK CARTRIDGE CONNECTED TO AN INK CARTRIDGE HOLDER

Title (de)

TINTENPATRONE MIT EINEM TINTENPATRONENHALTER VERBUNDEN

Title (fr)

CARTOUCHE D'ENCRE CONNECTÉE À UN SUPPORT DE CARTOUCHE D'ENCRE

Publication

EP 3305530 B1 20200226 (EN)

Application

EP 16838518 A 20160817

Priority

- CN 201510524601 A 20150824
- CN 2016095774 W 20160817

Abstract (en)

[origin: EP3305530A1] The present invention provides an ink cartridge and a method for installing same. The ink cartridge includes at least a housing (11) and a handle (12). The housing includes an ink supply port (111), a plane in which the ink supply port (111) is located is a first plane, and another plane of the ink cartridge opposite to the first plane is a second plane. A direction along a longer side on the first plane is an X-axis, a direction along a shorter side on the first plane is a Y-axis; and an axis that is perpendicular to both the X-axis and the Y-axis is a Z-axis. The handle (12) includes: an operation portion (121), an engagement portion (122), and a support portion (123). The support portion (123) is connected to the operation portion (121). A distance from the engagement portion (122) to the support portion (123) and a distance from the operation portion (121) to the support portion (123) should meet the following formula: $2/3t < d < t$, where t is the distance from the operation portion to the support portion in a Z-axis direction, and d is the distance from the engagement portion to the support portion in the Z-axis direction. The ink cartridge is easy to install, is stable in operation, is easy to take out, and has a long service life.

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP)

B41J 2/175 (2013.01); **B41J 2/17503** (2013.01); **B41J 2/1752** (2013.01); **B41J 2/17553** (2013.01)

Cited by

FR3123018A1

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 3305530 A1 20180411; **EP 3305530 A4 20180530**; **EP 3305530 B1 20200226**; CN 106476439 A 20170308; CN 106476439 B 20180619; JP 2018525246 A 20180906; JP 2019206186 A 20191205; JP 6613362 B2 20191127; JP 6768125 B2 20201014; WO 2017032259 A1 20170302

DOCDB simple family (application)

EP 16838518 A 20160817; CN 201510524601 A 20150824; CN 2016095774 W 20160817; JP 2018503599 A 20160817; JP 2019141578 A 20190731