

Title (en)

REVERSELY-CONNECTED INK BOX, AND METHODS FOR MOUNTING AND DISMOUNTING SAME

Title (de)

UMGEKEHRT ANGESCHLOSSENER TINTENBEHÄLTER UND VERFAHREN ZUM MONTIEREN UND DEMONTIEREN DESSELBEN

Title (fr)

CAISSON D'ENCRE À CONNEXION INVERSÉE, ET PROCÉDÉS POUR SON MONTAGE ET SON DÉMONTAGE

Publication

EP 3305529 A1 20180411 (EN)

Application

EP 16838517 A 20160817

Priority

- CN 201510524524 A 20150824
- CN 2016095773 W 20160817

Abstract (en)

The present invention provides a reverse-connected ink cartridge, a method for mounting, and a method for removing. According to the reverse-connected ink cartridge, an ink supply port (11) is provided at the bottom of a housing (1), a plane of the ink supply port (11) is a first plane (1a), a long edge direction of the first plane (1a) is an X-axis, a short edge direction is a Y-axis, and an axis perpendicular to the X-axis and the Y-axis is a Z-axis; and the housing (1) is connected to an operating structure (2) and an abutting component (3), another end of the operating structure (2) extends away from the housing (1) on the X-axis and towards the first plane (1a) on the Z-axis, a first cartridge-side positioning structure (4) extends from the another end of the operating structure (2) towards the housing (1) on the X-axis, and the abutting component (3) is located on a same side of the housing (1) as the another end of the operating structure (2) in an X-axis direction. In a mounting process of the ink cartridge designed in the present invention, a lever body does not need to rotate by a relatively large angle. In this way, even though space between the ink cartridge and the lever body is relatively small, mounting and removal of the ink cartridge can still be completed. In addition, this is favorable to miniaturize the ink cartridge and a printer.

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)

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 3305529 A1 20180411; **EP 3305529 A4 20180530**; **EP 3305529 B1 20190327**; CN 106476438 A 20170308; CN 106476438 B 20180619; JP 2018525245 A 20180906; JP 6586508 B2 20191002; JP 6586508 B6 20191211; WO 2017032258 A1 20170302

DOCDB simple family (application)

EP 16838517 A 20160817; CN 201510524524 A 20150824; CN 2016095773 W 20160817; JP 2018503595 A 20160817