

Title (en)
PROCESSING CARTRIDGE

Title (de)
VERARBEITUNGSKARTUSCHE

Title (fr)
CARTOUCHE DE TRAITEMENT

Publication
EP 3985444 A4 20230719 (EN)

Application
EP 21774990 A 20210326

Priority
• CN 202020426614 U 20200327
• CN 202020571540 U 20200416
• CN 202020884450 U 20200522
• CN 2021083114 W 20210326

Abstract (en)
[origin: EP3985444A1] A processing cartridge (1) detachably mounted in an imaging device. The processing cartridge (1) comprises a first unit (2) and a second unit (3) which are connected to each other, and a movable part (6) which can be connected to a force applying part (9) and receives an acting force applied by the force applying part (9); when the processing cartridge (1) is mounted in the imaging device, the first unit (2) and the second unit (3) can be switched between a state where the two are close to each other and a state where the two are separated from one another; the movable part (6) comprises a mounting part (6a) and an action part (6b) which can move relative to each other and are connected to each other, and the movable part (6) is mounted in the processing cartridge (1) by means of the mounting part (6a); the action part (6b) is configured to be connected to the force applying part (9) and receive the acting force applied by the force applying part (9), such that the first unit (2) and the second unit (3) are switched from the state where the two are close to each other to the state where the two are separated from one another. Since the movable part (6) is movably mounted, the movable part (6) has a certain amount of activity even if the processing cartridge (1) falls or encounters a collision, thereby greatly reducing the possibility that the movable part (6) is broken.

IPC 8 full level
G03G 21/18 (2006.01)

CPC (source: CN EP)
G03G 21/1814 (2013.01 - CN EP); **G03G 21/1825** (2013.01 - CN EP); **G03G 21/1842** (2013.01 - CN EP)

Citation (search report)
• [X] CN 110161825 A 20190823 - ZHUHAI TUOJIA TECH CO LTD
• [X] CN 209446978 U 20190927 - ZHUHAI TUOJIA TECH CO LTD
• [X] EP 2884344 A1 20150617 - CANON KK [JP]
• [X] US 2009003876 A1 20090101 - MAESHIMA HIDEKI [JP], et al
• See also references of WO 2021190614A1

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 3985444 A1 20220420; EP 3985444 A4 20230719; CN 111413857 A 20200714; CN 114326348 A 20220412; CN 114326348 B 20240712; CN 212181259 U 20201218; WO 2021190614 A1 20210930

DOCDB simple family (application)
EP 21774990 A 20210326; CN 202010442624 A 20200522; CN 202020884450 U 20200522; CN 2021083114 W 20210326; CN 202110322724 A 20210326