

Title (en)  
PROCESSING BOX WITH MOVABLE PART

Title (de)  
VERARBEITUNGSBOX MIT BEWEGLICHEM TEIL

Title (fr)  
BOÎTE DE TRAITEMENT DOTÉE D'UNE PARTIE MOBILE

Publication  
**EP 3951510 A4 20230118 (EN)**

Application  
**EP 20784970 A 20200327**

Priority  
• CN 201910254373 A 20190331  
• CN 2020081555 W 20200327

Abstract (en)  
[origin: EP3951510A1] Disclosed is a processing cartridge (1) having a movable assembly (6). The processing cartridge includes a first unit (2) and a second unit (3) coupled to each other. When the processing cartridge is in operation, the first unit (2) and the second unit (3) move close to each other, and when the processing cartridge is not in operation, the first unit (2) and the second unit (3) are separated from each other. The movable assembly (6) is installed in the processing cartridge (1) in such a way that at least one part of the movable assembly is movable, and under an action of a force applying portion (9), the movable assembly (6) can move between the initial position and the terminal position. When the movable assembly (6) is in the initial position, the first unit (2) and the second unit (3) approach each other. When the movable assembly (6) receives a force from the force applying portion (9), the movable assembly (6) moves from the initial position to the terminal position, and meanwhile forces the first unit (2) and the second unit (3) to separate from each other. When the force of the force applying portion (9) is removed, as the second unit (3) returns to a position close to the first unit (2), the movable assembly (6) returns from the terminal position to the initial position. Even if the processing cartridge (1) falls down or collides, due to the fact that the movable assembly (6) has a certain amount of space to move, the probability that the movable assembly (6) is broken can be greatly reduced.

IPC 8 full level  
**G03G 21/18** (2006.01)

CPC (source: CN EP)  
**G03G 21/1817** (2013.01 - EP); **G03G 21/1825** (2013.01 - EP); **G03G 21/1842** (2013.01 - CN); **G03G 21/1853** (2013.01 - EP);  
**G03G 21/1857** (2013.01 - CN); **G03G 21/186** (2013.01 - EP)

Citation (search report)  
• [XAI] EP 2863271 A1 20150422 - CANON KK [JP]  
• See references of WO 2020200065A1

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 3951510 A1 20220209**; **EP 3951510 A4 20230118**; CN 109884867 A 20190614; CN 110161824 A 20190823; CN 110161824 B 20221014;  
CN 111190333 A 20200522; CN 111190333 B 20230818; WO 2020200065 A1 20201008

DOCDB simple family (application)  
**EP 20784970 A 20200327**; CN 201910254373 A 20190331; CN 201910437190 A 20190331; CN 2020081555 W 20200327;  
CN 202010226794 A 20200327