

Title (en)
DRIVE FORCE-RECEIVING COMPONENT, AND TONER CARTRIDGE

Title (de)
ANTRIEBSKRAFTAUFNAHMEBAUTEIL UND TONERKARTUSCHE

Title (fr)
COMPOSANT DE RÉCEPTION DE FORCE D'ENTRAÎNEMENT ET CARTOUCHE DE TONER

Publication
EP 3709097 B1 20230719 (EN)

Application
EP 18880720 A 20181120

Priority

- CN 201721598738 U 20171123
- CN 201821014015 U 20180628
- CN 2018116401 W 20181120

Abstract (en)
[origin: EP3709097A1] A force receiving part and a toner cartridge are provided in the present disclosure. The toner cartridge includes a toner cartridge body and the force receiving part. The force receiving part is configured to receive a force from the image forming device and transmit the force to the toner cartridge body. A second elastic member is provided inside the force receiving part, and the second elastic member is connected to the connecting portion at one end and the driving head at the other end; when the force receiving part is at the first position, the second elastic member has a tendency to push the driving head away from the toner cartridge body. The force receiving part further includes a first elastic member and / or a third elastic member. the force receiving part provided in the present disclosure enables automatic generation of an outlet for flowing out the toner when in use and for preventing the toner from flowing out by closing the outlet when not in use, which prevents the contamination and damage due to the developer leakage in the toner cartridge.

IPC 8 full level
G03G 15/08 (2006.01)

CPC (source: EP)
G03G 15/0867 (2013.01); **G03G 15/0886** (2013.01)

Cited by
EP3705948A4

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 3709097 A1 20200916; EP 3709097 A4 20201216; EP 3709097 B1 20230719; CN 208922071 U 20190531; WO 2019101064 A1 20190531

DOCDB simple family (application)
EP 18880720 A 20181120; CN 2018116401 W 20181120; CN 201821919010 U 20181120