

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 A4 20201216 (EN)

Application
EP 18880720 A 20181120

Priority

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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)

Citation (search report)

- [I] WO 2015067124 A1 20150514 - PRINT RITE UNICORN IMAGE PRODUCTS CO LTD ZHUHAI [CN]
- [I] WO 2013183782 A1 20131212 - RICOH CO LTD [JP], et al
- [I] CN 201107555 Y 20080827 - ZHUHAI TIANWEI TECH DEV CO LTD [CN]
- See references of WO 2019101064A1

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EP3705948A4

Designated contracting state (EPC)
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