

Title (en)

Process cartridge and image forming apparatus

Title (de)

Prozesskartusche und Bilderzeugungsvorrichtung

Title (fr)

Cartouche de traitement et appareil de formation d'images

Publication

EP 2073073 B1 20180307 (EN)

Application

EP 08254003 A 20081215

Priority

JP 2007330209 A 20071221

Abstract (en)

[origin: EP2073073A1] A process cartridge (50) is configured to be mounted on a main body of an image forming apparatus (1) in a detachable manner. The process cartridge (50) includes an image carrier (3) on which a toner image is formed; a cleaning unit (7) that cleans the image carrier (3) by removing residual toner remained after transferring the toner image formed on the image carrier (3) onto a transfer medium, which includes a cleaning member (70) that removes the toner from the image carrier (3) and a toner conveying unit that conveys the toner removed by the cleaning member (70) in a longitudinal direction of the cleaning member (70), including a toner conveying member (71) that makes a rotation to convey the toner removed by the cleaning member (70) in a predetermined direction and a rotary supporting member (74) that supports the toner conveying member (71) at a predetermined position such that the toner conveying member (71) can be rotated and makes a rotation with a driving force from outside; a side wall (53) for supporting the image carrier (3) such that the image carrier (3) can be rotated; and an outer cover member (51) having a surface parallel to the side wall (53). The side wall (53) includes a through hole (54). The rotary supporting member (74) includes a holding unit (52, 80) that passes through the through hole (54) and is held at the outer cover member (51) in a rotatable manner.

IPC 8 full level

G03G 21/18 (2006.01)

CPC (source: EP)

G03G 21/1821 (2013.01); **G03G 21/1857** (2013.01)

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