

Title (en)

Process cartridge and electrophotographic image forming apparatus

Title (de)

Arbeitseinheit und elektrophotographisches Bilderzeugungsgerät

Title (fr)

Unité de traitement et appareil électrophotographique de formation d'images

Publication

**EP 0833227 B1 20030409 (EN)**

Application

**EP 97307560 A 19970926**

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Abstract (en)

[origin: EP0833227A2] A process cartridge (B) detachably mountable to a main assembly of an electrophotographic image forming apparatus, wherein the main assembly includes a motor, a main assembly side gear for receiving driving force from the motor, a main assembly positioning member, a hole which is substantially coaxial with the gear, and a process cartridge mounting portion for mounting the process cartridge, the process cartridge includes an electrophotographic photosensitive drum (7); process means actable on the photosensitive drum; and a projection engageable with the hole, the projection being provided at a longitudinal end of the photosensitive drum; wherein when the main assembly side gear rotates with the hole and projection engaged with each other, the rotational driving force is transmitted from the gear to the photosensitive drum through engagement between the hole and the projection; a cartridge positioning portion (12c5) for abutting to the main assembly positioning portion (15f) to stop a movement of the process cartridge beyond a predetermined distance in a direction substantially perpendicular to an axis of the photosensitive drum, when the process cartridge is mounted to the cartridge mounting portion, and the photosensitive drum receives the rotation driving force through the hole and the projection.

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Cited by

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