Title (en)
A process cartridge having a shutter to cover the surface of a photoconductor and image forming apparatus using the same cartridge

Title (de)
Arbeitseinheit mit einem Abdeckteil zum Abdecken von der Oberfläche eines photoleitenden Materials und Bilderzeugungsgerät mit einer solchen Einheit

Title (fr)
Unité de traitement comprenant un couvercle pour recouvrir la surface d'un photoconducteur et appareil de formation d'images utilisant cette unité

Publication
EP 0905585 B1 20070606 (EN)

Application
EP 98116499 A 19980901

Priority
JP 24236597 A 19970908

Abstract (en)
[origin: EP0905585A2] A process cartridge for an image forming apparatus, which includes a cartridge main body having at least one of a developing device for developing with toner a latent image on a photoconductor and a cleaner for salvaging the toner remaining on a surface of the photoconductor and detachably mounted to a main body of the image forming apparatus, and a shutter which covers a covering area including an area beneath a lower part of the circumferential surface of the photoconductor and an area beneath a lower part of at least one of a boundary between the photoconductor and the developing device and a boundary between the photoconductor and the cleaner. The shutter moves in a substantially horizontal posture between the covering area and a siding area beneath the developing device or the cleaner. Therefore, toner received by the shutter is prevented from falling from the shutter when the shutter is moved. <IMAGE>

IPC 8 full level
G03G 21/18 (2006.01); **G03G 15/08** (2006.01)

CPC (source: EP KR)
G03G 21/1628 (2013.01 - EP); **G03G 21/18** (2013.01 - KR); **G03G 21/1832** (2013.01 - EP); G03G 2221/1609 (2013.01 - EP)

Citation (examination)
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