

Title (en)

An electro-photography apparatus and a method of removing toner from such an apparatus

Title (de)

Elektrophotographisches Gerät und Verfahren zum Entfernen von Toner aus diesem Gerät

Title (fr)

Appareil électrophotographique et méthode pour enlever du toner d'un tel appareil

Publication

EP 0561544 B1 19970122 (EN)

Application

EP 93301763 A 19930309

Priority

JP 5773192 A 19920316

Abstract (en)

[origin: EP0561544A2] An electro-photography apparatus, such as a copier or laser printer, has a photosensitive belt (4) for transporting toner. The photosensitive belt (4) is mounted in a cartridge (2), and the cartridge (2) is removably mounted in a holder (11). The holder (11) is insertable into and withdrawable from the main body (1) of the apparatus. Therefore, when the photosensitive belt (4) has reached the end of its useful life, the holder (11) is withdrawn and the cartridge (2) removed. A new cartridge (2), and hence a new photosensitive belt (4), may then be mounted in the holder (11) and the holder (11) inserted into the main body (1) of the apparatus. To prevent surfaces of the cartridge (2) and/or holder (11) from becoming contaminated with toner, a gap (17) is formed therebetween, and the holder (11) has an air inlet (11b) and an air outlet. Thus, air is caused to flow between the opposed surfaces of the holder (11) and the cartridge (2) to entrain any toner and remove such toner from the interior of the holder (11). <IMAGE>

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