

Title (en)

Image forming apparatus and cleaning device therefor

Title (de)

Bilderzeugungsgerät und zugehörige Reinigungsvorrichtung

Title (fr)

Appareil de formation d'images et dispositif de nettoyage associé

Publication

EP 1288738 B1 20111102 (EN)

Application

EP 02019723 A 20020903

Priority

JP 2001268095 A 20010904

Abstract (en)

[origin: EP1288738A2] A cleaning device of the present invention includes a brush roller having a brush held in contact with the surface of a body to be cleaned. The brush contacts the surface of the body to be cleaned due to the weight of the brush roller and rotates by following the movement of the above surface. A flicker is held in contact with the brush in order to remove toner deposited on the brush. A casing forms a chamber therein for storing the toner removed by the flicker. The brush roller maintains an expected cleaning ability even when impurities deposited on the brush absorb moisture in a high-humidity environment and cannot be easily removed or when a great amount of toner deposits on the brush at a time. <IMAGE>

IPC 8 full level

G03G 21/00 (2006.01); **G03G 15/00** (2006.01); **G03G 15/02** (2006.01); **G03G 21/10** (2006.01)

CPC (source: EP)

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Citation (examination)

- JP H09305078 A 19971128 - TOSHIBA CORP
- JP H06282195 A 19941007 - TOSHIBA CORP
- JP H09211943 A 19970815 - RICOH KK

Cited by

CN100347617C; EP1494088A3; US7068960B2; US6961534B2; US7860428B2; US8027611B2

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