

Title (en)

Charging roller for an image forming apparatus

Title (de)

Aufladewalze für ein Bilderzeugungsgerät

Title (fr)

Rouleau de chargement pour un appareil de formation d'images

Publication

EP 0810486 A3 19980415 (EN)

Application

EP 97107365 A 19940113

Priority

- EP 94100436 A 19940113
- JP 367593 A 19930113
- JP 27059093 A 19931028

Abstract (en)

[origin: EP0606907A1] In a charging device included in an image forming apparatus for charging an image carrier uniformly, a charge roller (2) has an elastic layer (5) and a surface layer (6). The elastic layer (5) is made of a substance having a medium electric resistance and having no conductive particles dispersed therein. The surface layer (6) is made of a non-adhering substance having a greater non-adhering property than the substance constituting the elastic layer (5). The elastic layer (5) is mainly constituted by epichlorohydrin rubber and the surface layer comprises a fluorine containing bridged copolymer. <IMAGE>

IPC 1-7

G03G 15/02

IPC 8 full level

F16C 13/00 (2006.01); **G03G 15/02** (2006.01)

CPC (source: EP)

G03G 15/0233 (2013.01)

Citation (search report)

- [DA] EP 0406834 A2 19910109 - CANON KK [JP]
- [A] EP 0417801 A2 19910320 - CANON KK [JP]
- [DA] DATABASE WPI Section Ch Week 9251, Derwent World Patents Index; Class A89, AN 92-418341, XP002055371
- [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 292 (P - 1377) 29 June 1992 (1992-06-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 112 (P - 1498) 8 March 1993 (1993-03-08)

Cited by

EP1156388A1; US6558781B1; US6534180B2

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0606907 A1 19940720; EP 0606907 B1 19990421; DE 69417931 D1 19990527; DE 69417931 T2 19990916; DE 69433430 D1 20040129; DE 69433430 T2 20041007; EP 0810486 A2 19971203; EP 0810486 A3 19980415; EP 0810486 B1 20031217; ES 2131593 T3 19990801; ES 2208783 T3 20040616; JP H06266206 A 19940922

DOCDB simple family (application)

EP 94100436 A 19940113; DE 69417931 T 19940113; DE 69433430 T 19940113; EP 97107365 A 19940113; ES 94100436 T 19940113; ES 97107365 T 19940113; JP 27059093 A 19931028