

Title (en)

CHARGER HAVING CHARGING BLADE, IMAGE FORMING APPARATUS HAVING SAME AND PROCESS CARTRIDGE HAVING SAME

Publication

EP 0515164 A3 19931103 (EN)

Application

EP 92304561 A 19920520

Priority

- JP 14532391 A 19910520
- JP 20547491 A 19910722

Abstract (en)

[origin: EP0515164A2] A charging device includes a charging blade contactable to a member to be charged; a voltage applying device for applying an oscillating voltage between the charging blade and the member to be charged; and an urging spring for urging the charging blade and the member to be charged toward and away from each other. <IMAGE>

IPC 1-7

G03G 15/02

IPC 8 full level

G03G 15/02 (2006.01)

CPC (source: EP)

G03G 15/0216 (2013.01)

Citation (search report)

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- [Y] EP 0312230 A2 19890419 CANON KK [JP]
- [XP] US 5095335 A 19920310 - WATANABE KAZUSHI [JP], et al
- [AD] PATENT ABSTRACTS OF JAPAN vol. 9, no. 320 (P-413)(2043) 14 December 1985 & JP-A-60 147 756 (TOSHIBA K.K.) 3 August 1985
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 131 (P-1186)29 March 1991 & JP-A-03 013 973 (NEC CORP) 22 January 1991
- [A] PATENT ABSTRACTS OF JAPAN vol. 15, no. 292 (P-1230)24 July 1991 & JP-A-03 100 675 (CANON INC) 25 April 1991

Cited by

US5860046A; US5619311A; EP0629928A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0515164 A2 19921125; EP 0515164 A3 19931103

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