

Title (en)

ELECTROPHOTOGRAPHIC PRINTING DEVICE WITH REGULATED ELECTROPHOTOGRAPHIC PROCESS

Publication

EP 0403523 B1 19921125 (DE)

Application

EP 89903096 A 19890303

Priority

DE 3807121 A 19880304

Abstract (en)

[origin: WO8908283A1] An electrophotographic printing device has a closed-cycle regulator for acquiring and regulating the essential operational parameters of the electrophotographic process. It includes a first regulating step for stabilising the electrophotographic process on the photoconductor (12) by regulating the charging potential (18) and the discharge exposure (17), and by acquiring and monitoring the residual potential (SL). It further includes a second regulating step for ensuring and optimising the development of the charge image by regulating the toner supply to the development region (14) and the inking of the charge image; and a third regulating step for ensuring and optimising duplication by acquiring the specific values of the recording media and regulating the corona device (UK).

IPC 1-7

G03G 15/00; **G03G 15/16**; **G03G 21/00**

IPC 8 full level

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CPC (source: EP US)

G03G 15/1645 (2013.01 - EP US); **G03G 15/5037** (2013.01 - EP US); **G03G 21/06** (2013.01 - EP US); **G03G 2215/00042** (2013.01 - EP US)

Citation (examination)

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Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

DE 3807121 A1 19890914; DE 58902832 D1 19930107; EP 0403523 A1 19901227; EP 0403523 B1 19921125; JP 3162357 B2 20010425; JP H03503575 A 19910808; US 5124732 A 19920623; WO 8908283 A1 19890908

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