Title (en)

APPARATUS, PROCESS FOR CHARGING INSULATING TONER PARTICLES

Publication

EP 0071465 A3 19830803 (EN)

Application

EP 82303973 A 19820727

Priority

US 28691681 A 19810727

Abstract (en)

[origin: EP0071465A2] An apparatus and process for electrostatically charging insulating toner particles (24) to either a positive or negative polarity, and an electrostatographic imaging system containing such apparatus. The apparatus includes a transporting surface (12) and a charging surface (16) which are arranged so as to be in close proximity to one another in a charging zone (19), the transporting surface (12) being arranged to transport the particles through the charging zone (19) in contract with the charging surface (16), and said surfaces being electrically biased (20, 18) to predetermined potentials. In one embodiment, the apparatus comprises a roller (12) containing a coating (13) thereon, a toner supply (14) containing therein uncharged insulating toner particles (24), a charge injecting means (16), a voltage source (18) for said charge injecting means, and a voltage source (20) for said roller, wherein charges are injected from said charge injecting means into the uncharged insulating toner particles deposited on said roller, said injection being accomplished in a charging zone (19) encompassed by said roller and said charge injecting means.

IPC 1-7

G03G 15/08; G03G 15/06

IPC 8 full level

G03G 9/08 (2006.01); **G03G 9/087** (2006.01); **G03G 9/09** (2006.01); **G03G 9/097** (2006.01); **G03G 15/08** (2006.01)

CPC (source: EP)

G03G 15/0812 (2013.01); G03G 2215/0641 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

EP 0071465 A2 19830209; **EP 0071465 A3 19830803**; **EP 0071465 B1 19860917**; CA 1198765 A 19851231; DE 3273352 D1 19861023; JP S5825644 A 19830215

DOCDB simple family (application)

EP 82303973 A 19820727; CA 405757 A 19820622; DE 3273352 T 19820727; JP 12428682 A 19820716