

Title (en)

MAGNETIC BRUSH DEVELOPMENT APPARATUS HAVING A GATING AND METERING MECHANISM

Publication

EP 0272611 A3 19890614 (EN)

Application

EP 87118689 A 19871216

Priority

- US 7027587 A 19870706
- US 94489586 A 19861222

Abstract (en)

[origin: EP0272611A2] A development station (10) has a sump (14) for developer material, and a magnetic brush (18) that applies developer material to a photoconductor (16). A rotatable transport roller (40) is located between the sump and the magnetic brush. A magnet (44) in the roller attracts developer material to the roller. A cylindrical tube (46) is positioned around the roller and spaced from it. The tube has two slots (48, 50), and the tube is rotatable between two positions. In a first position of the tube developer material can pass through one of the slots (48) to the roller and is transported to the second slot (50) where it is metered to the magnetic brush. In a second position of the tube the slots are offset from the sump and the brush to block the flow of developer material to the transport roller and to the magnetic brush.

IPC 1-7

G03G 15/09; **G03G 15/08**

IPC 8 full level

G03G 15/08 (2006.01); **G03G 15/09** (2006.01)

CPC (source: EP)

G03G 15/0822 (2013.01); **G03G 15/09** (2013.01)

Citation (search report)

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- [E] US 4716437 A 19871229 - MACLELLAN BRUCE D [US]
- [XP] US 4671207 A 19870609 - HILBERT THOMAS K [US]
- [A] PATENT ABSTRACTS OF JAPAN

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0272611 A2 19880629; **EP 0272611 A3 19890614**; **EP 0272611 B1 19920819**; DE 3781258 D1 19920924; DE 3781258 T2 19930325; JP H0614227 B2 19940223; JP S63167388 A 19880711

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