

Title (en)

DEVELOPER STATION FOR AN ELECTRO-PHOTOGRAPHIC PRINTER OR COPIER

Title (de)

ENTWICKLERSTATION FÜR EIN ELEKTROFOTOGRAFISCHES DRUCK- ODER KOPIERGERÄT

Title (fr)

POSTE DE DEVELOPPEMENT POUR UNE IMPRIMANTE OU UN DUPLICATEUR ELECTROPHOTOGRAPHIQUE

Publication

EP 0653077 B1 19960612 (DE)

Application

EP 93917588 A 19930716

Priority

- EP 93917588 A 19930716
- EP 9301876 W 19930716
- EP 92113025 A 19920730

Abstract (en)

[origin: WO9403842A1] A developer station for an electro-photographic printer or copier has a developer chamber (12), a mixing chamber (13) and a developer station basin (14) connected to both chambers. Two developer mixture circuits are generated in the developer station, viz: one circuit to accept fresh toner and one for the actual development in a developer slit (18). A paddle roller (37) arranged in the developer station basin (14) generates a vortex in the mixture in the outlet region of the mixing chamber (13) which is enriched with fresh toner and is taken from the continuous developer mixture for the development process. The vortex essentially acts as a buffer store to compensate for heavy toner requirements in development and, in conjunction with the mixing chamber (13), for the tribo-electric activation of the developer mixture.

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 US)

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