Title (en)

METHOD AND DEVICE FOR SETTING THE TONER CONCENTRATION IN THE DEVELOPER STATION OF AN ELECTROPHOTOGRAPHIC
PRINTER OR COPIER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINSTELLEN DER TONERKONZENTRATION IN DER ENTWICKLERSTATION EINES
ELEKTROFOTOGRAFISCHEN DRUCKERS ODER KOPIERERS

Title (fr)

PROCEDE ET DISPOSITIF DE REGLAGE DE CONCENTRATION DE TONER DANS LA STATION DE DEVELOPPEMENT D'UN COPIEUR OU
D'UNE IMPRIMANTE ELECTROPHOTOGRAPHIQUE

Publication

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Application

EP 03771073 A 20030723

Priority

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• EP 0308056 W 20030723

Abstract (en)

[origin: WO2004012015A1] The invention relates to a method and device for setting the toner concentration of a toner particle/support particle
mixture (26) in a developer station (22), for developing a latent charge of an image on an intermediate support (10) of an electrophotographic printer
or copier, whereby a sensor (42), arranged in the developer station (22), measures the toner concentration in the mixture (26). An actuator (40, 42)
adjusts the toner supply to the developer station (22). A current usage value (68) for toner particles is determined. A regulator (74) for the regulation
of the toner concentration, operates the actuator (40, 42) depending on the signal (50) from the sensor (42) and the determined usage value (68),
whereby the toner concentration, at the point of the developer station where the toner is used to develop the latent image, is calculated from the
toner concentration measured at the site of installation of the sensor (42) and the usage value (68).

IPC 1-7

G03G 15/08

IPC 8 full level

G03G 15/08 (2006.01)

CPC (source: EP US)

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Citation (search report)

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