

Title (en)

Method and device for regenerating an ink sheet.

Title (de)

Verfahren und Einrichtung zum Erneuern eines Farbtuches.

Title (fr)

Procédé et dispositif pour renouveler un ruban encreur.

Publication

EP 0415387 B1 19941109 (EN)

Application

EP 90116571 A 19900829

Priority

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- JP 22203289 A 19890829

Abstract (en)

[origin: EP0415387A1] Described are a method and a device for regenerating an ink sheet or ribbon (12) having on an insulating layer (9) an ink layer (10). The ink sheet or ribbon comprises non-transferred portions (11a) where the ink layer (10) is still present and transferred portions (11b) where the ink layer (10) has been removed by a preceding image forming process. In order to fill up the transferred portions (11b) with ink again, charged electrically conductive ink (7) is made to adhere by an electrostatic force at an intermediate roller (3) having on an electrically conductive layer (1) a dielectric layer (2) or a photo-electrically conductive layer. The ink carrying circumferential surface of the intermediate roller (3) is brought into contact with the ink sheet or ribbon (12) to be regenerated. By supplying a charge to the side of the insulating layer (9) of the ink sheet or ribbon (12) an electrostatic force, larger than the first mentioned one, is established between the transferred portions (11b) of the ink sheet or ribbon (12) and the electrically conductive ink (7) on the intermediate roller (3). Thereby, the ink (7) is selectively transferred from the intermediate roller (3) to only the transferred portions (11b) of the ink sheet or ribbon (12).

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