

Title (en)

METHOD FOR HARDENING INK ON A PRINTED MATTER

Title (de)

VERFAHREN ZUM HÄRTEN VON TINTE AUF EINEM BEDRUCKSTOFF

Title (fr)

PROCÉDÉ DE DURCISSEMENT DE L'ENCRE SUR UN MATÉRIAU À IMPRIMER

Publication

**EP 3795934 A1 20210324 (DE)**

Application

**EP 19197749 A 20190917**

Priority

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Abstract (en)

[origin: CN112519408A] The invention relates to a method for curing an ink on a printing material, in which at least one UV-curable ink is applied to the printing material (2) in the form of droplets and is subjected to UV radiation by means of at least one first UV radiator (5) and thus pre-cured, characterized in that the ink is cured by means of at least one second UV radiator (11, 11a, 11b) of a UV dryer (10). 11b) is subjected to UV radiation in the presence of an inert gas, in the presence of an inert gas-rich air or in the presence of an oxygen-reduced air and thus further cured, and the ink is subsequently subjected to UV radiation by means of at least one third UV radiator (21, 21a, 21b, 31, 31a, 31b) of another UV dryer (20, 30) and thus supplementarily cured. The invention enables sufficient curing of UV curable inks, thereby reducing or avoiding undesirable migration of the low molecular ink composition.

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Citation (applicant)

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