Title (en)
Method for pre-coating non-porous carriers and printing device

Title (de)
Verfahren zur Vorbeschichtung von nicht saugfähigen Trägern und Druckvorrichtung

Title (fr)
Procédé destiné à l'application d'une pré-couche de supports non absorbants et dispositif de pression

Publication
EP 1859953 A2 20071128 (DE)

Application
EP 07108218 A 20070515

Priority
DE 102006024557 A 20060523

Abstract (en)
The method involves using citronic acid for pre coating of non absorbent carriers (3). The citornic acid is applied on the carrier in powder form or fluid form. The citronic acid limits the ink in a temporal and localized manner, and polymerizes the ink used in a printer in a thermally inductive manner. The citronic acid is provided directly in the printer (1) or a station, connected indirectly to the printing machine, before printing.

Abstract (de)
Verfahren zur Vorbeschichtung von nicht saugfähigen Trägern, insbesondere aus Kunststoffen, Metallen oder Glas, für den Tintenstrahldruck mit wasserbasierter Tinte und Druckvorrichtung, wobei die Vorbeschichtung mit einer polyfunktionellen Carbonsäure erfolgt.

IPC 8 full level
B41M 5/52 (2006.01); B41J 3/407 (2006.01); B41J 3/413 (2006.01); B41J 11/00 (2006.01); B41M 5/50 (2006.01)

CPC (source: EP US)
B41J 3/407 (2013.01 - EP); B41J 3/413 (2013.01 - EP); B41J 11/002 (2013.01 - EP US); B41J 11/00216 (2021.01 - EP US);
B41M 5/0017 (2013.01 - EP); B41M 5/0047 (2013.01 - EP); B41M 5/0058 (2013.01 - EP); B41M 5/0064 (2013.01 - EP);
B41M 5/007 (2013.01 - EP)

Citation (third parties)
  Third party :
    WO 2006087087 A1 20060824 - TRITON GMBH & CO KG [DE], et al

Cited by
    ITUD20090161A1; DE102008034839B4; US11338603B2

Designated contracting state (EPC)
    AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
    AL BA HR MK YU

DOCDB simple family (publication)
    EP 1859953 A2 20071128; EP 1859953 A3 20091223; DE 102006024557 A1 20071129

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