

Title (en)

PRINTING DEVICE AND PRINTING METHOD FOR APPLYING A VISCOUS OR PASTY MATERIAL

Title (de)

DRUCKVORRICHTUNG UND DRUCKVERFAHREN ZUM AUFTRAGEN EINES VISKOSEN ODER PASTÖSEN MATERIALS

Title (fr)

DISPOSITIF D'IMPRESSION ET PROCÉDÉ D'IMPRESSION POUR APPLIQUER UNE MATIÈRE VISQUEUSE OU PÂTEUSE

Publication

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Application

EP 17781090 A 20171006

Priority

- DE 102016220678 A 20161021
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Abstract (en)

[origin: WO2018073024A1] The invention relates to a printing device for applying a viscous or pasty material onto a support substrate and molding a defined material geometry by means of a template. The template which is provided for application and molding purposes has at least one continuous opening, and the opening side facing the support substrate functions as an application opening surface. Furthermore, the opening, in particular the inner wall thereof, forms an outer border for the material geometry outer surface to be molded. As a whole, the template is designed such that an adhesive force of the viscous or pasty material acting on the inner wall of the opening is overcome by means of a relative movement, in particular a movement relative to the support substrate. The template is advantageously formed as a stack composite of at least two sub-templates adjoining each other in a connection region. Each of the sub-templates has at least one sub-opening, by means of which the inner wall of the opening is divided into proportional molding surfaces of the sub-template. Furthermore, sub-opening connection surfaces which correspond to one another are formed in the connection region, and each of the sub-templates can be reversibly separated in the connection region.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2018073024A1

Designated contracting state (EPC)

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