Title (en)

METHOD FOR PRINTING FILMS WHICH DEFORM UNDER THERMAL LOADS

Title (de

VERFAHREN ZUM BEDRUCKEN VON UNTER THERMISCHER BELASTUNG SICH VERFORMENDEN FOLIEN

Title (fr)

PROCÉDÉ D'IMPRESSION DE FEUILLES SE DÉFORMANT SOUS L'EFFET D'UNE CONTRAINTE THERMIQUE

Publication

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Application

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Abstract (en)

[origin: WO2018134039A1] The invention relates to a method for printing a film (100), having the following steps: a) providing a printing device with at least one means for receiving at least one film region, comprising a receiving surface (103) which is paired with a printing module (105a... 105d) comprising at least one nozzle row that lies opposite the receiving surface at a distance therefrom, b) placing the film region which has a temperature T1 on the receiving surface which has a temperature T2 so as to define a temperature difference TU, and c) printing the film region which is in contact with the receiving surface with drops of ink, wherein the film region which is in contact with the receiving surface undergoes a temperature change under the effect of a change in energy, said temperature change being produced when energy is supplied and/or drawn in such a manner that the temperature difference TU between the film region and the receiving surface is increased, and at the same time holding forces are applied to the film region via the receiving surface, said holding forces at least partly compensating, preferably compensating, and particularly preferably overcompensating, for at least the deformation forces produced parallel to the receiving surface by the temperature change in the film region so as to counteract same.

IPC 8 full level

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