

Title (en)

PROCESS AND PLANT FOR DEHUMIDIFICATION, HEATING AND INJECTION MOULDING OF GRANULATED PLASTICS MATERIALS

Title (de)

VERFAHREN UND ANLAGE ZUM ENTFEUCHTEN, ERWÄRMEN UND SPRITZGIESSEN VON KÖRNIGEN KUNSTSTOFFMATERIALIEN

Title (fr)

PROCEDE ET EQUIPEMENT POUR LA DESHUMIDIFICATION, LE CHAUFFAGE ET LE MOULAGE PAR INJECTION DE MATIERES PLASTIQUES EN GRANULES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2005077628A1] A process of dehumidification and of injection and moulding for granulated plastics materials comprises a dehumidification step (1a) in which the granules are dehumidified by contact with air at a dehumidification temperature, and a subsequent injection and moulding step (1b) in which the granules coming from the dehumidification step are heated to a moulding temperature higher than the dehumidification temperature and are then injected into a mould. Between the dehumidification step and the injection and moulding step, a heating step (20) is provided, in which the granules are heated, in a substantial absence of oxygen, to a supply temperature between the dehumidification temperature and the moulding temperature. A plant (1) operating in accordance with the process is also described.

IPC 8 full level

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See references of WO 2005077628A1

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