

Title (en)

METHOD AND DEVICE FOR IMPREGNATING AT LEAST ONE FIBROUS MATERIAL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM IMPRÄGNIEREN MINDESTENS EINES FASERMATERIALS

Title (fr)

PROCÉDÉ ET DISPOSITIF D'IMPRÉGNATION D'AU MOINS UNE MATIÈRE FIBREUSE

Publication

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Application

EP 21743081 A 20210706

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Abstract (en)

[origin: WO2022013010A1] The invention relates to an impregnation device for impregnating at least one quasi-endless fibrous material with a plastics material which has been melted at an appropriate process temperature, having at least one fibre feed channel having a fibre inlet for feeding the quasi-endless fibrous material to the impregnation device, and at least one plastic feed channel having a plastic inlet, separate from the fibre inlet, for feeding the plastics material to the impregnation device separately from the fibrous material, wherein the at least one fibre feed channel and the at least one plastic feed channel are at least partially separate from one another and lead into a common impregnation cavity, in order to impregnate the quasi-endless fibrous material with the fed and melted plastics material, characterized in that the fibre inlet is a component separate from the rest of the impregnation device, said component being designed to be arranged releasably on the impregnation device and having at least two individual elements that are able to be moved from an open state into a closed state and form, in the closed state, at least a portion of the fibre feed channel.

IPC 8 full level

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