

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION OF A FIBROUS MATERIAL WEB IN A PAPERMAKING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER FASERSTOFFBAHN IN EINER PAPIERMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF POUR PRODUIRE UNE BANDE DE MATIÈRE FIBREUSE DANS UNE MACHINE À PAPIER

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2018153576A1] The invention relates to a device and method for producing a fiber mat (1) which is particularly suitable for use in the production of packaging paperboard or fibrous material-containing construction elements from a fibrous material-containing starting material. Said method comprises the following steps: a) providing the fibrous material-containing starting material (13); b) processing, using only little water, the fibrous material-containing starting material (13) in an air current to stock comprising individual fibers and/or fiber bundles; c) forming the individual fibers and/or fiber bundles by a dry forming process in an air current to a fiber mat (1) by way of a dry forming process; such that the fiber mater forms a three-dimensional structure; d) solidifying the formed fiber mat (1); the specific volume of the fiber mat (1) being higher than 1.6 cm³/g, particularly higher than 2 cm³/g, preferably higher than 3 cm³/g and the fiber mat thickness being ≥ 1 mm, particularly ≥ 1.5 mm, preferably ≥ 2 mm.

IPC 8 full level

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Citation (search report)

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