

Title (en)

PROCESS FOR THE MANUFACTURE OF A LIGNOCELLULOSIC FIBRE-BASED COMPOSITE MATERIAL USING CARBOHYDRATE-BASED PELLETS AND COMPOSITE MATERIAL OBTAINED BY SUCH PROCESS

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES VERBUNDMATERIALS AUF DER BASIS VON LIGNOCELLULOSEFASERN MIT PELLETS AUF KOHLENHYDRATBASIS UND NACH DIESEM VERFAHREN HERGESTELLTES VERBUNDMATERIAL

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MATÉRIAU COMPOSITE À BASE DE FIBRES LIGNOCELLULOSIQUES À L'AIDE DE PASTILLES À BASE DE GLUCIDES ET MATÉRIAU COMPOSITE OBTENU PAR UN TEL PROCÉDÉ

Publication

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Application

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Abstract (en)

[origin: EP4124633A1] The present invention relates to a process for the manufacture of a lignocellulosic fibre-based composite material comprising the steps of:- obtaining a fibrous mix (S1) comprising defibrated lignocellulosic material and defibrated polysaccharide-based pellets;- blending the fibrous mix with an adapted liquid to form a composite mixture;- curing (S3) the composite mixture, thereby forming the lignocellulosic fibre-based composite material.The polysaccharide-based pellets comprise polysaccharides and optionally a resin that constitute more than 50% by weight of each pellet.The adapted liquid can comprise a resin, or an aqueous liquid and/or a resin if the polysaccharides contained in the polysaccharides based pellets comprise wheat flour, starch, gum arabic, glucomannan, methyl or carboxymethylcellulose, or chitosan.A preferred application of this process is the manufacture of fibreboards, such as MDF.

IPC 8 full level

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