

Title (en)

PRODUCTION METHOD OF PULP DERIVED FROM BIOMASS FOR PRODUCING COMPOSITE BOARDS

Title (de)

HERSTELLUNGSVERFAHREN FÜR AUS BIOMASSE GEWONNENEN ZELLSTOFF ZUR HERSTELLUNG VON VERBUNDPLATTEN

Title (fr)

PROCÉDÉ DE PRODUCTION DE PÂTE À PAPIER DÉRIVÉE DE BIOMASSE POUR LA PRODUCTION DE PANNEAUX COMPOSITES

Publication

**EP 3135811 B1 20171011 (EN)**

Application

**EP 15182673 A 20150827**

Priority

EP 15182673 A 20150827

Abstract (en)

[origin: EP3135811A1] The subject of application is a method of pulp production for producing boards. Cereal straw is fragmented to the form of blades with a length from 10 to 50 mm, which are subjected to hydrothermal treatment. Then, mass obtained in such a way is injected with the help of a feeding machine between the milling plates of the defibering unit, and pressed with the help of a screw press until obtaining absolute humidity below 50%, when mass obtained is loosened into the pulp form and dried. The method is characterized in that the cut cereal straw blades are subjected to hydrothermal treatment with water solution and lye at temperature below 50°C, where hydrothermal treatment does not last longer than 1 minute. The subject of application is also a pulp board, characterized in that it contains pulp produced with a method according to the invention and a binder.

IPC 8 full level

**D21H 11/12** (2006.01); **D21B 1/16** (2006.01); **D21C 1/02** (2006.01); **D21H 13/10** (2006.01); **D21H 13/26** (2006.01); **D21H 17/51** (2006.01); **D21J 1/00** (2006.01)

CPC (source: EP)

**D21B 1/16** (2013.01); **D21C 1/02** (2013.01); **D21H 11/12** (2013.01); **D21H 13/10** (2013.01); **D21H 13/26** (2013.01); **D21H 17/51** (2013.01); **D21J 1/00** (2013.01)

Cited by

CN114368053A; CN108999014A; PL442414A1; EP3461940A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3135811 A1 20170301**; **EP 3135811 B1 20171011**; PL 3135811 T3 20180330

DOCDB simple family (application)

**EP 15182673 A 20150827**; PL 15182673 T 20150827