

Title (en)

WOOD MATERIAL BOARD WITH REDUCED EMISSION OF VOLATILE ORGANIC COMPOUNDS (VOCS) AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

HOLZWERKSTOFFPLATTE MIT REDUZIERTER EMISSION AN FLÜCHTIGEN ORGANISCHEN VERBINDUNGEN (VOCS) UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

PANNEAU EN MATÉRIAU DÉRIVÉ DU BOIS PRÉSENTANT UNE ÉMISSION RÉDUITE DE COMPOSÉS ORGANIQUES VOLATILES (COV) ET PROCÉDÉ DE FABRICATION DE CELUI-CI

Publication

EP 3386699 A1 20181017 (DE)

Application

EP 16794249 A 20161103

Priority

- EP 15198210 A 20151207
- EP 2016076568 W 20161103

Abstract (en)

[origin: CA3007578A1] The present invention relates to a method for producing wood material boards, in particular chipboards and fibreboards, with reduced emission of volatile organic compounds (VOCs), comprising the steps: a) producing woodchips from suitable timbers; b) heat-treating at least one portion of the woodchips at a temperature between 150 °C and 300 °C for a period of 1 to 5 hours; c) crushing the wood chips that are not heat-treated and at least one portion of the heat-treated woodchips by machining in order to obtain wood shavings or by solubilising in order to obtain wood fibres; d) glueing the wood shavings or wood fibres with at least one binding agent; e) applying the glued wood shavings onto a transport belt while forming a multi-layered shavings cake or applying the glued wood fibres onto a transport belt while forming a single-layer fibre cake; and f) compressing the shavings cake or the fibre cake to form a wood material board. The present invention also relates to a chipboard and a fibreboard produced with said method.

IPC 8 full level

B27N 1/00 (2006.01); **B27N 3/18** (2006.01)

CPC (source: EP RU US)

B27K 5/00 (2013.01 - RU); **B27K 5/001** (2013.01 - US); **B27K 5/0085** (2013.01 - EP US); **B27N 1/00** (2013.01 - EP RU US); **B27N 1/003** (2013.01 - EP US); **B27N 3/02** (2013.01 - US); **B27N 3/18** (2013.01 - EP US); **B27K 2240/10** (2013.01 - EP US)

Citation (search report)

See references of WO 2017097506A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3178622 A1 20170614; **EP 3178622 B1 20180704**; CA 3007578 A1 20170615; EP 3386699 A1 20181017; ES 2687495 T3 20181025; ES 2687495 T8 20190918; JP 2018536568 A 20181213; JP 2020023195 A 20200213; JP 6622423 B2 20191218; JP 6832411 B2 20210224; PL 3178622 T3 20181231; PT 3178622 T 20181030; RU 2019112232 A 20190715; RU 2019112232 A3 20211118; RU 2689571 C1 20190528; RU 2766678 C2 20220315; US 10399245 B2 20190903; US 11148317 B2 20211019; US 2018345529 A1 20181206; US 2019329445 A1 20191031; WO 2017097506 A1 20170615

DOCDB simple family (application)

EP 15198210 A 20151207; CA 3007578 A 20161103; EP 16794249 A 20161103; EP 2016076568 W 20161103; ES 15198210 T 20151207; JP 2018548275 A 20161103; JP 2019210187 A 20191121; PL 15198210 T 20151207; PT 15198210 T 20151207; RU 2018124570 A 20161103; RU 2019112232 A 20190423; US 201615778882 A 20161103; US 201916506441 A 20190709