

Title (en)

METHOD OF PRODUCING AN ABRASION RESISTANT WOODEN PANEL AND PRODUCTION LINE FOR SAME

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ABRIEBFESTEN HOLZWERKSTOFFPLATTE UND PRODUKTIONSLINIE HIERFÜR

Title (fr)

PROCÉDÉ DE FABRICATION D'UNE PLAQUE EN MATÉRIAU DE TYPE BOIS ET LIGNE DE PRODUCTION POUR CELLE-CI

Publication

EP 3246175 B1 20180627 (DE)

Application

EP 16170640 A 20160520

Priority

EP 16170640 A 20160520

Abstract (en)

[origin: WO2017198474A1] The invention relates to a method for producing an abrasion-resistant wood material panel that has at least one decorative layer, in particular as printed decoration, on the top side, comprising the following steps: applying at least one first resin layer to the at least one decorative layer on the top side and on the bottom side of the wood material panel, uniformly scattering abrasion-resistant particles onto the first resin layer on the top side of the wood material panel; drying the first resin layer provided with the abrasion-resistant particles on the top side and the first resin layer on the bottom side of the wood material panel in at least one drying device; applying at least one second resin layer to the dried first resin layer provided with the abrasion-resistant particles on the top side and the dried first resin layer on the bottom side of the wood material panel; drying the second resin layers on the top side and the bottom side of the wood material panel in at least one drying device; and pressing the layer structure. The invention further relates to a production line for carrying out the method and to a wood material panel that can be produced by means of the method.

IPC 8 full level

B44C 5/04 (2006.01)

CPC (source: CN EP RU US)

B44C 5/04 (2013.01 - CN RU); **B44C 5/0476** (2013.01 - CN EP US); **B44C 5/0492** (2013.01 - CN US)

Cited by

WO2020151949A1; EP3480030A1; US11198319B2; EP3686028A1; RU2767202C1; WO2019086660A1; US11440341B2; US11872837B2; US11192398B2; US11884097B2

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 3246175 A1 20171122; EP 3246175 B1 20180627; CN 109153283 A 20190104; CN 113815343 A 20211221; EP 3458281 A1 20190327; EP 3458281 B1 20231220; EP 3458281 C0 20231220; ES 2686972 T3 20181023; PL 3246175 T3 20190329; PL 3458281 T3 20240513; PT 3246175 T 20181022; RU 2716188 C1 20200306; UA 123788 C2 20210602; US 11192398 B2 20211207; US 11884097 B2 20240130; US 2019160859 A1 20190530; US 2022072897 A1 20220310; WO 2017198474 A1 20171123

DOCDB simple family (application)

EP 16170640 A 20160520; CN 201780030964 A 20170504; CN 202111025962 A 20170504; EP 17722725 A 20170504; EP 2017060710 W 20170504; ES 16170640 T 20160520; PL 16170640 T 20160520; PL 17722725 T 20170504; PT 16170640 T 20160520; RU 2018138803 A 20170504; UA A201811307 A 20170504; US 201716099547 A 20170504; US 202117525088 A 20211112