

Title (en)

Method for producing panels, in particular floor panels

Title (de)

Verfahren zum Herstellen von Paneelen, insbesondere Fußbodenpaneelen

Title (fr)

Procédé de fabrication de panneaux, notamment des panneaux de sol

Publication

EP 2329932 B1 20161221 (DE)

Application

EP 10175749 A 20100908

Priority

DE 102009056441 A 20091202

Abstract (en)

[origin: EP2329932A2] The method involves providing a multi-layer plate (2) with a carrier layer (2a) of wood product. A cover layer (2b) is connected with the carrier layer at an upper side. A layer is provided with directly applied paint, resin, laminate, laminate plastic or veneer. The multi-layer plate is brought in contact with processing tools (3). The processing tools are moved relative to the multi-layer plate for a forming process of the multi-layer plate. The forming process is carried out by causing a translatory pivoting movement in an ultrasound region in the processing tools. The forming process is dividing process, erosive process and machining process. An independent claim is also included for a device for manufacturing a panel.

IPC 8 full level

B27M 3/04 (2006.01); **B27M 1/00** (2006.01); **B27N 7/00** (2006.01)

CPC (source: EP)

B27M 1/00 (2013.01); **B27M 3/04** (2013.01)

Citation (examination)

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- JP H029735 A 19900112 - CENTRAL GLASS CO LTD
- DE 10060696 A1 20020627 - WACKER CHEMIE GMBH [DE]
- GERHARD SINN ET AL: "Surface properties of wood and MDF after ultrasonic-assisted cutting", JOURNAL OF MATERIALS SCIENCE, KLUWER ACADEMIC PUBLISHERS, BO, vol. 40, no. 16, 1 August 2005 (2005-08-01), pages 4325 - 4332, XP019210584, ISSN: 1573-4803, DOI: 10.1007/S10853-005-1995-7
- SINN G ET AL: "Ultrasonic-assisted cutting of wood", JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, ELSEVIER, NL, vol. 170, no. 1-2, 14 December 2005 (2005-12-14), pages 42 - 49, XP027806171, ISSN: 0924-0136, [retrieved on 20051214]

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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 SE SI SK SM TR

DOCDB simple family (publication)

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DE 102009056441 B4 20140430; ES 2615494 T3 20170607; PL 2329932 T3 20170731; PT 2329932 T 20170220

DOCDB simple family (application)

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