

Title (en)

Method and device for manufacturing a composite wood board

Title (de)

Verfahren und Vorrichtung zum Herstellen einer Holzwerkstoffplatte

Title (fr)

Procédé et dispositif destinés à la fabrication d'une plaque en matériau dérivé du bois

Publication

EP 2098380 A3 20110817 (DE)

Application

EP 09003003 A 20090303

Priority

DE 102008012220 A 20080303

Abstract (en)

[origin: EP2098380A2] The method involves synchronizing a color and profile of metallic surface areas (8, 10) through which a wooden material plate i.e. high-density fiber board plate (12), is guided between a profiled decorative roller (4) and a backing roll (6). The roller is heated at a temperature of 200 degree Celsius, and pressure from 10 bar to 200 bar is executed at the roller. A gap is suspended between the decorative roller and the backing roll, where the gap is larger than thickness of the wooden material plate. The surface area of the wooden material plate is colored with pigments. An independent claim is also included for a device for manufacturing a wooden material plate, comprising a decorative roller.

IPC 8 full level

B44B 5/00 (2006.01); **B44B 5/02** (2006.01); **B44C 1/24** (2006.01); **B44C 5/04** (2006.01); **B44F 9/02** (2006.01)

CPC (source: EP)

B44B 5/0004 (2013.01); **B44B 5/028** (2013.01); **B44C 1/02** (2013.01); **B44C 1/24** (2013.01); **B44C 5/0492** (2013.01); **B44F 9/02** (2013.01)

Citation (search report)

- [X] DE 2711917 A1 19780921 - MASONITE CORP
- [X] US 2695857 A 19541130 - REHBOCK LEWIS, et al
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- [A] WO 2007061193 A1 20070531 - LG CHEMICAL LTD [KR], et al
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Designated contracting state (EPC)

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2098380 A2 20090909; **EP 2098380 A3 20110817**; **EP 2098380 B1 20180808**; DE 102008012220 A1 20090917; EP 3357709 A1 20180808; ES 2694388 T3 20181220; PL 2098380 T3 20190228; PT 2098380 T 20181120; TR 201815696 T4 20181121

DOCDB simple family (application)

EP 09003003 A 20090303; DE 102008012220 A 20080303; EP 18156419 A 20090303; ES 09003003 T 20090303; PL 09003003 T 20090303; PT 09003003 T 20090303; TR 201815696 T 20090303