

Title (en)

A METHOD FOR THE THERMOMECHANICAL DENSIFICATION OF POPLAR PLYWOOD

Title (de)

VERFAHREN ZUR THERMOMECHANISCHEN VERDICHTUNG VON PAPPELSPERRHOLZ

Title (fr)

PROCÉDÉ DE DENSIFICATION THERMOMÉCANIQUE DE CONTREPLAQUÉ DE PEUPLIER

Publication

**EP 3323573 A1 20180523 (EN)**

Application

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Priority

PL 41949916 A 20161117

Abstract (en)

The subject of the invention is a method of the thermomechanical densification of poplar plywood consisting of heating poplar plywood characterised by the fact that plywood of a moisture of 5-15% is subjected to is subjected to interval compression between the press plates, where the poplar plywood is heated to a temperature between 70° -105°C, and then compressed in 2-3 cycles under pressure of 5-20MPa, reducing the thickness of the plywood to 25-50% of its original thickness. Furthermore, the plywood obtained by the method according to the invention is characterized by relative deformations of 50%-75%

IPC 8 full level

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Citation (applicant)

- PL 215663 A2 19800211 - BASF AG [DE]
- US 7404422 B2 20080729 - KAMKE FREDERICK A [US], et al

Citation (search report)

- [Y] CN 101603623 A 20091216 - ZHEJIANG SHIYOU TIMBER CO LTD [CN]
- [IY] US 4606388 A 19860819 - FAVOT PETER [CA]
- [I] US 6689301 B1 20040210 - MOYES HARTLEY [GB]

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