

Title (en)

Method for producing a moulded part, in particular for the construction or furniture industry

Title (de)

Verfahren zur Herstellung eines Formkörpers, insbesondere für die Bau- oder Möbelindustrie

Title (fr)

Procédé de fabrication d'un corps de formage, en particulier pour l'industrie de la construction ou du mobilier

Publication

EP 2025484 A1 20090218 (DE)

Application

EP 08162334 A 20080813

Priority

DE 102007038408 A 20070814

Abstract (en)

The method of producing a molded body (50) for construction or furniture industry, comprises mixing a mixture of mineral- or wood fibers, wood flour and/or wood-chips with a bonding agent such as synthetic resin and converting to a molding material by drying at 50[deg] C, where the molding material after drying contains a humidity content of 7-10 wt.%, and forming the molded body from the molding material at 100-200[deg] C. The mold body has a residual moisture of less than 5 wt.%. The bonding agent comprises acrylic, copolymer, styrene or water. The method for producing a molded body (50) for construction or furniture industry, comprises mixing a mixture of mineral- or wood fibers, wood flour and/or wood-chips with a bonding agent such as synthetic resin and then converting to a molding material by drying at 50[deg] C, where the molding material after drying contains a humidity content of 7-10 wt.%, and forming the molded body from the molding material at 100-200[deg] C. The mold body has a residual moisture of less than 5 wt.%. The molding material is filled in a pressing tool and is pressed with a pre-determined temperature for 1 minute with a pressure of 20-50 bar. The mixture comprises mineral- or wood fibers, wood flour and/or wood-chips. The bonding agent comprises acrylic, copolymer, styrene or water. The molding material before drying comprises: wood fibers (25-50%), mineral fibers (0-25%) and bonding agent (50-65%); wood chips (50-65%), wood flour (0-10) and bonding agent (30-50%); or mineral fibers (35-50%), graphite and/or mica (0-15%) and bonding agent (50-65%). An independent claim is included for a molding material for producing a molded body.

Abstract (de)

Die Erfindung betrifft ein Verfahren zur Herstellung eines Formkörpers (50), insbesondere für die die Bau- oder Möbelindustrie, wobei ein Gemenge aus Fasern, Spänen und/oder Pulver mit einem Bindemittel vermischt wird, durch Trocknen zu einer Formmasse verarbeitet wird und aus der Formmasse der Formkörper (50) geformt wird, wobei die Formmasse nach dem Trocknen einen Feuchtegehalt von etwa 2 Gew.-% bis etwa 20 Gew.-% aufweist und aus der Formmasse der Formkörper (50) bei einer Temperatur von etwa 50 °C bis etwa 250 °C geformt wird. Ferner betrifft die Erfindung eine Formmasse zur Herstellung eines Formkörpers.

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

- DE 1808375 A1 19700527 - HOLZWERK BECKER KG
- US 6368528 B1 20020409 - WHELAN GEORGE [IE], et al

Citation (search report)

- [X] DE 1808375 A1 19700527 - HOLZWERK BECKER KG
- [X] US 6368528 B1 20020409 - WHELAN GEORGE [IE], et al
- [A] WO 0200429 A1 20020103 - AGROLINZ MELAMIN GMBH [AT], et al
- [A] GB 912847 A
- [A] US 4058580 A 19771115 - FLANDERS ROBERT D
- [A] DE 4016410 A1 19911128 - BASF AG [DE]
- [A] DE 2554212 A1 19760812 - FLANDERS ROBERT DUDLEY

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