

Title (en)
Wood brick comprising soft wood fibre boards

Title (de)
Formstein enthaltend Holzweichfaserplatten

Title (fr)
Brique en bois contenant des plaques de fibres douces de bois

Publication
EP 2505730 A1 20121003 (DE)

Application
EP 11002615 A 20110330

Priority
EP 11002615 A 20110330

Abstract (en)
The molded block (1) has three layers (11,12,13) that are connected by gluing, where the former is comprised of multiple wood fiber panels. The latter layer arranged in the center is comprised of two wooden panels and an intermediate wood fiber panel, while the third layer is comprised of multiple wood fiber panels. The block is provided in a rectangular shape with a certain aspect ratio and volume, where the panels are glued partially or fully to each other. The glue is used as a natural or synthetic wood glue, particularly polyvinyl acetate or polyurethane glue. Independent claims are included for the following: (1) a method for manufacturing molded block; (2) a prefabricated building unit with a connecting material; and (3) a method for manufacturing a prefabricated building unit.

Abstract (de)
Die Erfindung betrifft einen Formstein (1), welcher drei Schichten aus Holzweichfaserplatten und Holzwerkstoffplatten umfasst, welcher im wesentlichen quaderförmig ist und ein Kantenverhältnis x:y:z = 4-6:1-5:2-5 aufweist, sowie ein Volumen von 0.005 - 0.2 m³ aufweist. Bauelemente enthaltend solche Formsteine und die Herstellung solcher Formsteine und Bauelemente sind weitere Gegenstände der Erfindung.

IPC 8 full level
E04B 2/04 (2006.01); **E04B 2/02** (2006.01); **E04B 2/08** (2006.01); **E04C 1/40** (2006.01); **E04C 2/24** (2006.01)

CPC (source: EP)
E04B 2/04 (2013.01); **E04B 2/08** (2013.01); **E04B 2002/0206** (2013.01)

Citation (applicant)

- EP 0838557 A2 19980429 - ILA BAUEN & WOHNEN OEKOLOGISCH [DE]
- WO 2005093182 A1 20051006 - ILA BAUEN & WOHNEN OEKOLOGISCH [DE], et al
- US 2004163352 A1 20040826 - RYAN MARVIN [CA]
- US 3016316 A 19620109 - OLSON ARNOLD P
- AT 409646 B 20020925 - WAGNER ERWIN ING [AT]
- WO 2008074170 A1 20080626 - ROCHIRA TANCREDI ANTONIO GIUSE [CH]

Citation (search report)

- [A] DE 20013246 U1 20010201 - HARTMANN HEINZ [DE]
- [A] DE 202008000597 U1 20080515 - BUCHWALD BORIS [DE], et al
- [AD] WO 2008074170 A1 20080626 - ROCHIRA TANCREDI ANTONIO GIUSE [CH]

Cited by
CZ309463B6; FR3071262A1; US2022170263A1; US12018479B2; EP2966235A1; US9551147B2; WO2023213884A1

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

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