

Title (en)
Modular construction elements

Title (de)
Modulare Konstruktionselemente

Title (fr)
Éléments de construction modulaire

Publication
EP 2543788 A1 20130109 (FR)

Application
EP 12175206 A 20120705

Priority
FR 1156128 A 20110706

Abstract (en)
The component has a rigid front wall (12) and a rigid rear wall (14) that are maintained at a distance from each other. A cavity (24) is allowed to extend between the two walls, and an insulating material of plant origin i.e. cereal straw, is housed inside the cavity. The rigid front wall and the rigid rear wall are made of composite materials made of a mixture of aggregates and plant-based binder compounds derived from living organisms. The binder compounds include organic acid, acetic acid, or hydraulic lime.

Abstract (fr)
L'invention concerne un élément de construction modulaire (10 ; 10') comprenant deux parois rigides (12, 14 ; 12', 14') maintenues à distance l'une de l'autre et une cavité (24) s'étendant entre lesdites deux parois, ledit élément de construction modulaire (10 ; 10') comprenant un matériau isolant d'origine végétale logé à l'intérieur de ladite cavité. Selon l'invention, lesdites parois rigides (12, 14 ; 12', 14') sont réalisées dans un matériau composite fait d'un mélange de granulats végétaux et de liant à base de composés issus d'organismes vivants.

IPC 8 full level
E04C 2/16 (2006.01); **E04C 2/296** (2006.01)

CPC (source: EP)
E04C 2/16 (2013.01); **E04C 2/296** (2013.01)

Citation (applicant)
WO 2009106793 A1 20090903 - MODCELL LTD [GB], et al

Citation (search report)
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• [Y] BE 545705 A
• [A] DE 9200610 U1 19921119
• [A] FR 2916461 A1 20081128 - K ASA B IO SARL [FR]

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IT202100003971A1; FR3137930A1; IT202200021432A1; US11643806B2; WO2024013251A1; FR3107067A1

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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BA ME

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