

Title (en)
WALL MODULE FOR BUILDING A STRUCTURE

Title (de)
WANDMODUL ZUR ERRICHTUNG EINES BAUWERKS

Title (fr)
MODULE DE PAROI POUR LA CONSTRUCTION D'UN OUVRAGE

Publication
EP 2686497 B1 20150909 (DE)

Application
EP 12709283 A 20120228

Priority
• DE 102011014179 A 20110316
• DE 102012001167 A 20120124
• EP 2012000856 W 20120228

Abstract (en)
[origin: WO2012123067A1] A wall module (2) which is designed as a concrete prefabricated building element for building a structure and which can easily be assembled and connected to further such wall modules (2) to form a structure should be designed not only for usual operating loads but additionally also to withstand improbable extreme loads. To that end, the wall module (2) has a wall body (8) having a regular base area and multiple edges, with a plurality of reinforcement rods (10) which all together form a regular reinforcement grid, and which preferably each extend parallel to the edges, and which are cast into the wall body (8), the reinforcement rods (10) each penetrating the wall body (8) substantially from edge to edge, and being provided at their ends with connecting elements (6) which are designed to establish a connection with complementary connecting elements (6) of an immediately adjacent wall element (2), and each connecting element (6) being connected with clearance to the associated reinforcement rod (10) such that it can be moved in a plane which is perpendicular to the longitudinal direction of the reinforcement rod (10) on all sides by at least 2 mm with respect to a provided central position.

IPC 8 full level
E04B 1/04 (2006.01); **E04B 1/61** (2006.01); **E04C 2/06** (2006.01)

CPC (source: EP KR RU US)
E04B 1/04 (2013.01 - RU); **E04B 1/043** (2013.01 - EP US); **E04B 1/38** (2013.01 - KR); **E04B 1/61** (2013.01 - RU); **E04B 2/56** (2013.01 - KR); **E04B 2/62** (2013.01 - US); **E04C 2/06** (2013.01 - EP US); **E04C 5/01** (2013.01 - US); **E04C 5/125** (2013.01 - EP US)

Cited by
DE102016216771A1; DE102018220289A1; DE102018220289B4

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

DOCDB simple family (publication)
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