

Title (en)  
MODULE FOR USE IN PREPARING A PREFABRICATED STRUCTURE, METHOD FOR MANUFACTURING SAME AND TRANSPORT FRAME

Title (de)  
MODUL ZUR VERWENDUNG BEI DER HERSTELLUNG EINER VORGEFERTIGTEN STRUKTUR, HERSTELLUNGSVERFAHREN DAFÜR UND TRANSPORTRAHMEN

Title (fr)  
MODULE DESTINÉ À ÊTRE UTILISÉ DANS LA PRÉPARATION D'UNE STRUCTURE PRÉFABRIQUÉE, SON PROCÉDÉ DE FABRICATION ET CADRE DE TRANSPORT

Publication  
**EP 4291734 A1 20231220 (EN)**

Application  
**EP 22752036 A 20220210**

Priority  
• US 202163148801 P 20210212  
• CA 2022050192 W 20220210

Abstract (en)  
[origin: WO2022170430A1] The present invention provides a reinforced concrete module for use in preparing a prefabricated structure comprising a horizontal slab, four corner columns, perimeter beams extending downwardly from a respective longitudinal and transversal edges of the horizontal slab and extending between and connected to adjacent columns; at least two transverse ribs located on an underside of the horizontal slab and extending between two opposing perimeter beams, wherein the module is fabricated as a unitary body. Also provided is a method for fabricating the module, as well as a transport frame configured to support a module on a transport vehicle.

IPC 8 full level  
**E04B 1/343** (2006.01); **E04B 1/04** (2006.01); **E04B 1/20** (2006.01); **E04B 1/348** (2006.01)

CPC (source: EP IL KR US)  
**E04B 1/04** (2013.01 - KR); **E04B 1/20** (2013.01 - KR US); **E04B 1/34336** (2013.01 - KR); **E04B 1/34823** (2013.01 - EP IL KR US)

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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022170430 A1 20220818**; AU 2022220762 A1 20230928; CA 3208251 A1 20220818; CA 3238442 A1 20220818; CL 2023002387 A1 20240308; CO 2023012079 A2 20231229; CR 20230389 A 20240319; CU 20230038 A7 20240305; DO P2023000159 A 20240115; EC SP23068945 A 20240301; EP 4291734 A1 20231220; IL 305168 A 20231001; JP 2024507189 A 20240216; KR 20230155459 A 20231110; MX 2023009454 A 20230828; US 2024110374 A1 20240404

DOCDB simple family (application)  
**CA 2022050192 W 20220210**; AU 2022220762 A 20220210; CA 3208251 A 20220210; CA 3238442 A 20220210; CL 2023002387 A 20230811; CO 2023012079 A 20230913; CR 20230389 A 20220210; CU 20230038 A 20220210; DO 2023000159 A 20230814; EC DI202368945 A 20230911; EP 22752036 A 20220210; IL 30516823 A 20230813; JP 2023549116 A 20220210; KR 20237031129 A 20220210; MX 2023009454 A 20220210; US 202218277061 A 20220210