

Title (en)

MODULAR CONSTRUCTION SYSTEM AND CONSTRUCTION METHOD FOR A BUILDING STRUCTURE

Title (de)

MODULARES BAUSYSTEM UND BAUVERFAHREN FÜR EINE GEBÄUDESTRUKTUR

Title (fr)

SYSTÈME DE CONSTRUCTION MODULAIRE ET PROCÉDÉ DE CONSTRUCTION POUR UNE STRUCTURE DE BÂTIMENT

Publication

**EP 4179165 A1 20230517 (EN)**

Application

**EP 21739402 A 20210708**

Priority

- EP 20185229 A 20200710
- EP 2021069052 W 20210708

Abstract (en)

[origin: EP3936678A1] A modular construction system based on interconnected parts comprising:- at least one ground ruler (101) having a front side, back side, bottom surface, top surface and lateral sides, wherein the top surface comprises a cut-out (102) adapted to receive a vertical part;- at least one wall panel (110, 111, 112) having a front side, back side, bottom surface, top surface and lateral sides, wherein each lateral side comprises at least two swallowtail connector protrusions; and- at least one vertical column (120, 121, 122, 123, 124) comprising two U-shaped parts (401, 402) glued together to create a vertical channel (403) for conduits, having a bottom surface adapted to engage with the cut-out (102) in the ground ruler (101), and having at least one lateral side (400) comprising two swallowtail connector notches (404, 405) adapted to receive the swallowtail connector protrusions of the wall panel (110, 111, 112).

IPC 8 full level

**E04B 1/12** (2006.01); **E04B 1/26** (2006.01); **E04B 2/70** (2006.01); **E04C 2/00** (2006.01); **E04C 2/296** (2006.01); **E04C 3/36** (2006.01)

CPC (source: EP)

**E04B 1/12** (2013.01); **E04B 1/26** (2013.01); **E04B 2/707** (2013.01); **E04C 2/296** (2013.01); **E04C 2/46** (2013.01); **E04C 3/122** (2013.01); **E04C 3/127** (2013.01); **E04C 3/36** (2013.01); **E04B 2001/2624** (2013.01); **E04B 2001/2632** (2013.01); **E04B 2001/264** (2013.01); **E04B 2001/2672** (2013.01); **E04B 2001/268** (2013.01); **E04C 2002/004** (2013.01)

Citation (search report)

See references of WO 2022008680A1

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)

**EP 3936678 A1 20220112**; EP 4179165 A1 20230517; WO 2022008680 A1 20220113

DOCDB simple family (application)

**EP 20185229 A 20200710**; EP 2021069052 W 20210708; EP 21739402 A 20210708