

Title (en)

METHOD, ASSEMBLY AND SYSTEM FOR ASSEMBLING AND DISASSEMBLING A SHELTER

Title (de)

VERFAHREN, ANORDNUNG UND SYSTEM ZUR MONTAGE UND DEMONTAGE EINER UNTERKUNFT

Title (fr)

PROCÉDÉ, SYSTÈME ET ENSEMBLE POUR MONTER ET DÉMONTER UN ABRI

Publication

EP 4015731 A1 20220622 (EN)

Application

EP 21215565 A 20211217

Priority

US 202063126768 P 20201217

Abstract (en)

A method, assembly and system of assembling and disassembling a shelter is provided. The method provided is configured to assemble a modular shelter in a hard to access location without heavy machinery. The assembly comprises a plurality of shipping modules having truss systems composed of beams and columns. The trusses may be connected to other trusses with the help of joint nodes. The truss system may be extended for sliding columns, may be connected to varying other trusses with varying joint nodes and may comprise connecting elements for angled connections. The assembly and the truss system are modular in that a plurality of the beams, columns and joint nodes may be removable.

IPC 8 full level

E04C 3/11 (2006.01); **E04B 1/343** (2006.01); **E04C 3/00** (2006.01); **E04H 1/12** (2006.01); **E04C 3/04** (2006.01)

CPC (source: EP US)

E04B 1/2403 (2013.01 - US); **E04B 1/34305** (2013.01 - EP); **E04C 3/005** (2013.01 - EP); **E04C 3/11** (2013.01 - EP); **E04H 1/005** (2013.01 - EP); **E04H 1/02** (2013.01 - EP); **E04H 1/12** (2013.01 - US); **E04B 1/34312** (2023.08 - EP); **E04B 2001/2406** (2013.01 - US); **E04B 2001/2454** (2013.01 - US); **E04C 2003/0491** (2013.01 - EP)

Citation (search report)

- [X] EP 0950142 A1 19991020 - GLOBAL STEEL INNOVATIONS INC [CA]
- [X] EP 2535470 A1 20121219 - CHEAP HOUSING ESPANA S L [ES]
- [XI] WO 2019075521 A1 20190425 - LIFTING POINT PTY LTD [AU]
- [XI] WO 2019030553 A1 20190214 - SLOSS GLENN [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

DOCDB simple family (publication)

EP 4015731 A1 20220622; CA 3142765 A1 20220617; US 2022195714 A1 20220623

DOCDB simple family (application)

EP 21215565 A 20211217; CA 3142765 A 20211217; US 202117644908 A 20211217