

Title (en)

INDEPENDENT SELF-CLIMBING FORM SYSTEM FOR BUILDING VERTICAL STRUCTURES

Title (de)

UNABHÄNGIGES SELBSTKLETTERNDES SCHALUNGSSYSTEM ZUM BAUEN VERTIKALER STRUKTUREN

Title (fr)

SYSTÈME DE COFFRAGE AUTO-GRIMPANT INDÉPENDANT POUR CONSTRUIRE DES STRUCTURES VERTICALES

Publication

**EP 4065794 A4 20231227 (EN)**

Application

**EP 20891886 A 20201104**

Priority

- US 201962941306 P 20191127
- IB 2020020070 W 20201104

Abstract (en)

[origin: US2021156156A1] An independent self-climbing form system may be assembled at a work site to build, maintain, or repair vertical structures. The independent self-climbing form system may include a plurality of support towers. Additionally, at least two trusses may be connected to the plurality of support towers. The trusses may be spaced apart from each other. Further, one or more platforms may be formed within a perimeter delimited by the at least two trusses. The at least one or more platforms may be configured to extend or retract within the perimeter. Furthermore, screw jacks may be disposed at each connection point of the at least two trusses on the plurality of support towers. The screw jacks may be configured to vertically move the at least two trusses up and down the plurality of support towers.

IPC 8 full level

**E04G 5/00** (2006.01); **E04G 1/17** (2006.01); **E04G 5/08** (2006.01); **E04G 11/22** (2006.01)

CPC (source: EP US)

**E04G 1/22** (2013.01 - US); **E04G 11/22** (2013.01 - EP); **E04G 11/28** (2013.01 - EP US); **E04G 17/002** (2013.01 - US); **E04G 2011/067** (2013.01 - US)

Citation (search report)

- [X1] WO 9009497 A1 19900823 - LUBECA CONSTR SYST PTY LTD [AU]
- [X1] WO 2008019408 A1 20080221 - RUND STAHL BAU GMBH & CO [AT], et al
- [Y] CN 103669832 B 20160629
- [Y] CN 102587643 A 20120718 - BEIJING ADG SCAFFOLDING ENGINEERING CO LTD
- [A] DE 2936115 A1 19810312 - STEINGASS AUGUST & SOHN
- [A] GB 2003112 A 19790307 - NORWEST HOLST SPECIALISED ENG
- See references of WO 2021105771A1

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)

**US 2021156156 A1 20210527**; AU 2020392963 A1 20220616; CA 3159823 A1 20210603; EP 4065794 A1 20221005; EP 4065794 A4 20231227; WO 2021105771 A1 20210603

DOCDB simple family (application)

**US 202017088113 A 20201103**; AU 2020392963 A 20201104; CA 3159823 A 20201104; EP 20891886 A 20201104; IB 2020020070 W 20201104