

Title (en)

CLIMBING SYSTEM FOR MULTI-LEVEL BUILDING CONSTRUCTION

Title (de)

KLETTERSISTEM FÜR MEHRGESCHOSSIGE GEBÄUDEKONSTRUKTION

Title (fr)

SYSTÈME D'ESCALADE POUR LA CONSTRUCTION DE BÂTIMENTS À PLUSIEURS NIVEAUX

Publication

EP 4108850 A1 20221228 (EN)

Application

EP 22181001 A 20220624

Priority

US 202163202807 P 20210625

Abstract (en)

A climbing system for multi-level building construction includes (a) a plurality of vertical guides mountable to a building structure under construction; (b) a climbing unit coupled to the vertical guides for guided vertical translation of the climbing unit along an exterior of the building structure and; (c) one or more horizontal guides mounted to the climbing unit; and (d) an extendible platform supported by the horizontal guides for guided translation of the extendible platform along a horizontal axis extending generally perpendicular to the building structure. The extendible platform is translatable along the horizontal axis between a retracted position, in which the extendible platform is generally retracted into the climbing unit and clear of the building structure to permit interference-free vertical translation of the climbing unit, and an advanced position, in which the extendible platform projects horizontally from the climbing unit to the building structure for covering a gap therebetween.

IPC 8 full level

E04G 11/28 (2006.01); **B66B 9/187** (2006.01); **E04G 3/28** (2006.01); **E04G 21/16** (2006.01)

CPC (source: EP US)

E04G 1/151 (2013.01 - US); **E04G 1/20** (2013.01 - US); **E04G 3/28** (2013.01 - EP); **E04G 11/28** (2013.01 - EP); **E04G 21/166** (2013.01 - EP); **E04G 2003/286** (2013.01 - EP)

Citation (applicant)

- US 8673189 B2 20140318 - SCHWOERER ARTUR [DE]
- US 8708100 B2 20140429 - SCHWOERER ARTUR [DE]
- US 10633874 B2 20200428 - PANSERI GIUSEPPE [IT], et al

Citation (search report)

- [X] US 4157129 A 19790605 - CHRISTOPHER GORDON W [US]
- [XI] FR 2370150 A1 19780602 - DESBARATS JEAN [FR]
- [X] WO 2017155459 A1 20170914 - FALK INVENT AB [SE]
- [AD] US 10633874 B2 20200428 - PANSERI GIUSEPPE [IT], et al
- [A] EP 2441900 A2 20120418 - CONSOLSWC CO LTD [KR]

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)

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