

Title (en)
Self-lifting support structure for building.

Title (de)
Hebebühne für Baubetrieb.

Title (fr)
Plateforme auto-élevatrice pour la construction.

Publication
EP 2415704 A1 20120208 (EN)

Application
EP 11176645 A 20110805

Priority
IT TO20100680 A 20100805

Abstract (en)
Self-lifting support structure (11) for the building industry, comprising: vertical columns (13); a horizontal frame (15) associated with said columns and provided with a supporting surface (29) for the load to be carried by the structure; a lifting mechanism (17) positioned between the frame and the columns and capable of provoking the vertical displacement of the frame with respect to the columns, wherein said structure comprises modular elements, which allow the height of said columns and/or the overall dimensions of said frame to be varied.

IPC 8 full level
B66C 23/28 (2006.01); **B66F 1/08** (2006.01); **B66F 11/04** (2006.01); **E04G 1/22** (2006.01)

CPC (source: EP)
B66C 23/283 (2013.01); **B66F 1/08** (2013.01); **B66F 11/04** (2013.01); **E04G 2005/008** (2013.01)

Citation (applicant)
• DE 202004011443 U1 20041007 - ANTON RUTHMANN GMBH & CO KG [DE]
• DE 202006013743 U1 20061109 - WINDEN UND MASCHB GRESBACH GMB [DE]
• US 2005183905 A1 20050825 - ROBILLARD JEAN G [CA]
• US 5579865 A 19961203 - BUTLER J FRANK [US], et al
• US 6749041 B1 20040615 - HUTCHINGS LARRY S [US], et al

Citation (search report)
• [XY] EP 0771916 A1 19970507 - OHBAYASHI CORP [JP]
• [XY] US 2005183905 A1 20050825 - ROBILLARD JEAN G [CA]
• [Y] DE 968874 C 19580403 - CARL METZ FEUERWEHRGERAETEFABR
• [Y] FR 2532927 A1 19840316 - ACCESS ENG LTD [GB]
• [Y] US 6749041 B1 20040615 - HUTCHINGS LARRY S [US], et al
• [Y] DE 1684294 A1 19710401 - JOHANNING MAX
• [Y] JP S61206594 U 19861226
• [Y] JP H0978844 A 19970325 - ISHIKAWAJIMA TRANSP MACHINERY, et al
• [Y] JP H06146578 A 19940527 - TAKENAKA KOMUTEN CO

Cited by
DE202012100413U1; CN104944300A; CN114319694A; US2021323797A1

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 2415704 A1 20120208; IT 1401371 B1 20130718; IT TO20100680 A1 20120206

DOCDB simple family (application)
EP 11176645 A 20110805; IT TO20100680 A 20100805