Title (en)

FALL PROTECTION DEVICE FOR A PLATFORM

Title (de)

ABSTURZSICHERUNG FÜR EINE PLATTFORM

Title (fr)

SÉCURITÉ CONTRE LES CHUTES POUR UNE PLATE-FORME

Publication

EP 3019428 B1 20170419 (DE)

Application

EP 14734177 A 20140702

Priority

- EP 13175972 A 20130710
- EP 2014064028 W 20140702
- EP 14734177 A 20140702

Abstract (en)

[origin: WO2015003964A1] The invention relates to a movable platform (20) having a fall prevention device (25) in a shaft (3) of an elevator system and a corresponding method for securing a movable platform (20) in an elevator system. The movable platform (20) preferably contains a complete machine room. The complete machine room is used in an expandable elevator for a building under construction. The movable platform (20) is arranged in the shaft (3) in such a way that the movable platform can be moved vertically along guide rails (23). In order to secure the movable platform (20) during movement, the fall prevention device (25) contains at least one arresting device (26), which is arranged on the movable platform (20) and which can be brought into engagement with the guide rail (23) if necessary. A locking element (28), which is arranged on the movable platform (20) and which interacts with a safety component (27, 27a) arranged along the movement path (S), can, if necessary, actuate the arresting device (26) of the movable platform (20) together with an arresting braking system (48) of the cab (43) attached to the movable platform, the locking element thus blocking a possible downward motion.

IPC 8 full level

B66B 5/18 (2006.01); **B66B 19/00** (2006.01)

CPC (source: EP RU US)

B66B 5/18 (2013.01 - EP RU US); **B66B 19/00** (2013.01 - EP RU US); **B66B 19/005** (2013.01 - EP US)

Cited by

DE102019205164A1; US11787663B1; WO2021259969A1

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)

WO 2015003964 A1 20150115; AU 2014289444 A1 20160204; AU 2014289444 B2 20170511; CA 2916436 A1 20150115; CA 2916436 C 20210518; CN 105377738 A 20160302; CN 105377738 B 20170623; EP 3019428 A1 20160518; EP 3019428 B1 20170419; ES 2625760 T3 20170720; HK 1219715 A1 20170413; MY 183376 A 20210218; PH 12015502857 A1 20160328; PH 12015502857 B1 20160328; PL 3019428 T3 20171031; PT 3019428 T 20170714; RU 2016104170 A 20170815; RU 2016104170 A3 20180313; RU 2652340 C2 20180425; SG 11201510711R A 20160128; US 10183838 B2 20190122; US 2016152442 A1 20160602

DOCDB simple family (application)

EP 2014064028 W 20140702; AU 2014289444 A 20140702; CA 2916436 A 20140702; CN 201480039233 A 20140702; EP 14734177 A 20140702; ES 14734177 T 20140702; HK 16107743 A 20160704; MY PI2016700015 A 20140702; PH 12015502857 A 20151223; PL 14734177 T 20140702; PT 14734177 T 20140702; RU 2016104170 A 20140702; SG 11201510711R A 20140702; US 201414903702 A 20140702