

Title (en)
GUIDE RAIL FOR AN ELEVATOR SYSTEM

Title (de)
FÜHRUNGSSCHIENE FÜR EINE AUFZUGANLAGE

Title (fr)
RAIL DE GUIDAGE POUR SYSTÈME D'ASCENSEUR

Publication
EP 3280668 A2 20180214 (DE)

Application
EP 16714943 A 20160408

Priority
• DE 102015206345 A 20150409
• EP 2016057716 W 20160408

Abstract (en)
[origin: WO2016113434A2] The invention relates to a guide rail for an elevator system, comprising at least two rail elements (11a, 11b) which jointly form a guide rail section having a functional raceway (31a, 31b, 31c) in a direction of travel. Each of the rail elements (11a, 11b) is connected to the shaft wall. Furthermore, adjoining rail elements (11a, 11b) are located at a distance from one another so that the rail elements (11a, 11b) can freely undergo thermal expansion in the direction of travel. In addition, at least two of the adjoining rail elements (11a, 11b) have edges which face one another in the region of the functional raceway (31a, 31b, 31c) and which have a complementary shape such that any cross-section of the guide rail section that runs perpendicular to the direction of travel in the region of the functional raceway (31a, 31b, 31c) extends through at least one of the two adjoining rail elements (11a, 11b).

IPC 8 full level
B66B 7/02 (2006.01); **B66B 11/04** (2006.01)

CPC (source: CN EP KR US)
B66B 7/023 (2013.01 - US); **B66B 7/024** (2013.01 - CN EP KR US); **B66B 7/026** (2013.01 - CN EP KR US);
B66B 11/0407 (2013.01 - CN EP KR US)

Citation (search report)
See references of WO 2016113434A2

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)
WO 2016113434 A2 20160721; **WO 2016113434 A3 20160909**; BR 112017021406 A2 20180703; BR 112017021406 B1 20220208;
CA 2980401 A1 20160721; CA 2980401 C 20211005; CN 107438576 A 20171205; CN 107438576 B 20200414; DE 102015206345 A1 20161013;
EP 3280668 A2 20180214; EP 3280668 B1 20211215; KR 102229042 B1 20210319; KR 20170131619 A 20171129;
KR 20190126464 A 20191111; US 10723591 B2 20200728; US 2018079624 A1 20180322

DOCDB simple family (application)
EP 2016057716 W 20160408; BR 112017021406 A 20160408; CA 2980401 A 20160408; CN 201680020886 A 20160408;
DE 102015206345 A 20150409; EP 16714943 A 20160408; KR 20177030853 A 20160408; KR 20197032531 A 20160408;
US 201615564453 A 20160408