

Title (en)
Guiding device, carriage and running rail

Title (de)
Führungsvorrichtung, Laufwerk und Laufschiene

Title (fr)
Dispositif de guidage, chariot et rail de guidage

Publication
EP 2685039 A3 20170614 (DE)

Application
EP 13171826 A 20130613

Priority
• EP 12176035 A 20120711
• EP 13171826 A 20130613

Abstract (en)
[origin: EP2685039A2] The device (1) has drive assemblies (3A, 3B) provided with a drive assembly body and guided along a running rail (4). The body is connected to a coupling device that is coupled with a sliding element. The rail comprises two running surfaces. The body holds two running elements that are inclined towards one another and supported by the surfaces. The surfaces comprise a tread portion that runs parallel to a longitudinal axis, and another tread portion, where the assemblies are driven into a terminal position and run inclined to the axis along the latter portion. The running elements are designed as track rollers. Independent claims are also included for the following: (1) a drive assembly for a guiding device (2) a running rail for a guiding device.

IPC 8 full level
E05D 15/10 (2006.01); **E05D 15/06** (2006.01)

CPC (source: BR EP KR US)
E05D 15/06 (2013.01 - KR); **E05D 15/063** (2013.01 - BR EP US); **E05D 15/0639** (2013.01 - BR); **E05D 15/0652** (2013.01 - BR EP US); **E05D 15/0665** (2013.01 - BR); **E05D 15/1021** (2013.01 - EP US); **E06B 3/46** (2013.01 - KR); **E05D 15/0639** (2013.01 - US); **E05D 15/0665** (2013.01 - EP US); **E05Y 2201/69** (2013.01 - EP US); **E05Y 2800/12** (2013.01 - EP US); **E05Y 2800/672** (2013.01 - US); **E05Y 2900/132** (2013.01 - EP US)

Citation (search report)
• [XYI] DE 8603749 U1 19860403
• [X] US 4680828 A 19870721 - COOK SANFORD L [US], et al
• [XI] FR 2846027 A1 20040423 - LA PORTE ISOTHERME S L P I SOC [FR]
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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 2685039 A2 20140115; EP 2685039 A3 20170614; EP 2685039 B1 20190925; AR 091646 A1 20150218; AU 2013206568 A1 20140130; AU 2013206568 B2 20161020; BR 102013017327 A2 20150630; BR 102013017327 B1 20210126; BR 102013017348 A2 20150630; CA 2818795 A1 20140111; CA 2818795 C 20150602; CL 2013001958 A1 20140704; CN 103541620 A 20140129; CN 103541620 B 20161228; DK 2685039 T3 20200113; ES 2762167 T3 20200522; JP 2014020198 A 20140203; JP 6268424 B2 20180131; KR 102159141 B1 20200924; KR 20140008249 A 20140121; MX 2013007711 A 20140117; MX 344340 B 20161114; PL 2685039 T3 20200430; SI 2685039 T1 20200131; US 2014013543 A1 20140116; US 9290977 B2 20160322

DOCDB simple family (application)
EP 13171826 A 20130613; AR P130102349 A 20130701; AU 2013206568 A 20130627; BR 102013017327 A 20130704; BR 102013017348 A 20130705; CA 2818795 A 20130614; CL 2013001958 A 20130703; CN 201310283935 A 20130708; DK 13171826 T 20130613; ES 13171826 T 20130613; JP 2013141616 A 20130705; KR 20130079124 A 20130705; MX 2013007711 A 20130701; PL 13171826 T 20130613; SI 201331643 T 20130613; US 201313917211 A 20130613