

Title (en)

Counterweight guiding arrangement for an elevator

Title (de)

Gegengewichtführungsanordnung für einen Aufzug

Title (fr)

Agencement de guidage de contrepoids pour un ascenseur

Publication

EP 3018085 A1 20160511 (EN)

Application

EP 14191575 A 20141104

Priority

EP 14191575 A 20141104

Abstract (en)

A counterweight guiding arrangement for an elevator is disclosed. It comprises at least one guide rail (10), at least one roller guide (20) configured to move along the guide rail, the guide rail comprising two lateral portions (11) defining a guide groove (12) therebetween. The roller guide comprises a guide frame (21) and at least two roller wheels (22) attached to the guide frame. Each of the roller wheels has a plane of rotation (23). The counterweight guiding arrangement is characterized in that each of the roller wheels is configured to move along a guide groove-facing surface (13) of one of said lateral portions, so that each said guide groove-facing surface has at least one roller wheel configured to move thereon. It is further characterized in that there are at least two planes of rotation of the roller wheels, the planes of rotation being at an angle to each other, and that the projections of the roller wheels on a plane perpendicular to the direction of the roller guide movement overlap at least partially.

IPC 8 full level

B66B 17/12 (2006.01); **B66B 7/02** (2006.01); **B66B 7/04** (2006.01)

CPC (source: CN EP)

B66B 7/022 (2013.01 - CN EP); **B66B 7/046** (2013.01 - CN EP); **B66B 17/12** (2013.01 - CN EP)

Citation (applicant)

CN 101423163 A 20090506 - HITACHI ELEVATOR CHINA CO LTD [CN]

Citation (search report)

- [XY] DE 3608822 A1 19870924 - DEILMANN HANIEL GMBH [DE]
- [XYI] GB 911444 A 19621128 - STAMICARBON
- [XYI] DE 3212825 A1 19831013 - DEILMANN HANIEL GMBH [DE]
- [XDYI] CN 101423163 A 20090506 - HITACHI ELEVATOR CHINA CO LTD [CN]
- [Y] WO 2014027399 A1 20140220 - MITSUBISHI ELECTRIC CORP [JP], et al
- [Y] WO 2013028184 A1 20130228 - OTIS ELEVATOR CO [US], et al

Cited by

CZ307685B6

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

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EP 3018085 A1 20160511; **EP 3018085 B1 20180404**; CN 107074504 A 20170818; CN 107074504 B 20191213; WO 2016071194 A1 20160512

DOCDB simple family (application)

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