

Title (en)

TWO NODAL POINT PRESSURE-EQUALISING DEVICE OF STEEL ROPE SETS FOR ELEVATOR

Title (de)

DRUCKAUSGLEICHSVORRICHTUNG MIT ZWEI VERBINDUNGSKNOTEN VON STAHLSEILEN FÜR EINEN AUFZUG

Title (fr)

DISPOSITIF D'ÉQUILIBRAGE DE PRESSION À DEUX POINTS NODAUX D'ENSEMBLES DE Câbles EN ACIER POUR UN ASCENSEUR

Publication

EP 3034447 A1 20160622 (EN)

Application

EP 14836446 A 20140709

Priority

- CN 201310347752 A 20130812
- CN 2014081885 W 20140709

Abstract (en)

Disclosed is a two nodal point pressure-equalising device of steel rope sets for an elevator, comprising a pressure-equalising device main body (1); wherein the pressure-equalising device main body (1) is rotatably provided on a base seat (5); two spherical nodal points (8) are symmetrically provided on the pressure-equalising device main body (1); the centre of the spherical nodal points (8) is provided with a through hole (9); the through hole (9) is used for mounting a steel rope; the spherical nodal points (8) can rotate around the pressure-equalising device main body (1); the rotational centre of the pressure-equalising device main body (1) is located on the centre line thereof; and the rotational centre of each spherical nodal point (8) is on the same horizontal plane as the rotational centre of the pressure-equalising device main body (1) and is collinear. The device can adjust the pressure sustained by two sets of steel ropes, and when a stable state is reached, the pressure sustained by each steel rope set will be the same, thereby enabling the damage caused by unequal pressure sustained by steel ropes for an elevator to be overcome, increasing the service life of the steel ropes.

IPC 8 full level

B66B 7/10 (2006.01)

CPC (source: CN EP KR)

B66B 7/06 (2013.01 - KR); **B66B 7/10** (2013.01 - CN EP KR); **B66B 7/12** (2013.01 - KR)

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 3034447 A1 20160622; **EP 3034447 A4 20170412**; CN 104370187 A 20150225; CN 104370187 B 20160824; JP 2016529180 A 20160923; JP 6276858 B2 20180207; KR 101877804 B1 20180713; KR 20160067838 A 20160614; WO 2015021837 A1 20150219

DOCDB simple family (application)

EP 14836446 A 20140709; CN 201310347752 A 20130812; CN 2014081885 W 20140709; JP 2016532217 A 20140709; KR 20167006484 A 20140709