

Title (en)

LIFTING DEVICE FOR ELEVATOR, ELEVATOR CAR FRAME, AND LIFTING METHOD FOR ELEVATOR

Title (de)

HUBVORRICHTUNG FÜR AUFZUG, AUFZUGKABINENRAHMEN UND HUBVERFAHREN FÜR AUFZUG

Title (fr)

DISPOSITIF DE LEVAGE D'ASCENSEUR, ÉTRIER DE CABINE D'ASCENSEUR ET PROCÉDÉ DE LEVAGE D'ASCENSEUR

Publication

**EP 2206673 A4 20131225 (EN)**

Application

**EP 07829315 A 20071005**

Priority

JP 2007069577 W 20071005

Abstract (en)

[origin: EP2206673A1] A lifting device 100 comprising a guide rail 8 that is arranged from a lower portion 81 to the top portion 51 of the hoistway 5; a car frame of elevator 7 that is capable of going up and down, guided by the guide rail 8, by providing a guide shoe 9 engaging with the guide rail 8, and that is used as a platform placing the weight 1 for lifting to the vicinity of the top portion 5a of the hoistway 5; and a lifting machine 3 that lifts the car frame 7 placing the weight 1 to the top portion 5a, guided by the guide rail 8. Based on this, a labor of tool dismantling can be eliminated.

IPC 8 full level

**B66B 7/00** (2006.01); **B66B 19/00** (2006.01)

CPC (source: EP)

**B66B 19/005** (2013.01)

Citation (search report)

- [XAY] EP 1405812 A1 20040407 - MITSUBISHI ELECTRIC CORP [JP]
- [Y] JP 2006188316 A 20060720 - TOSHIBA ELEVATOR CO LTD & EP 1834918 A1 20070919 - TOSHIBA ELEVATOR KK [JP]
- [Y] DATABASE WPI Week 200309, Derwent World Patents Index; AN 2003-098691, XP002716315
- See references of WO 2009044481A1

Cited by

US11059701B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 2206673 A1 20100714; EP 2206673 A4 20131225; EP 2206673 B1 20141217; EP 2206673 B2 20180207**; CN 101821189 A 20100901; CN 101821189 B 20140129; JP 5264751 B2 20130814; JP WO2009044481 A1 20110203; KR 101223860 B1 20130117; KR 20100045526 A 20100503; WO 2009044481 A1 20090409

DOCDB simple family (application)

**EP 07829315 A 20071005**; CN 200780100942 A 20071005; JP 2007069577 W 20071005; JP 2009535939 A 20071005; KR 20107006435 A 20071005