

Title (en)
COMPACT DRIVE SYSTEM FOR LIFTS

Title (de)
KOMPAKTES ANTRIEBSSYSTEM FÜR AUFZÜGE

Title (fr)
SYSTÈME DE TRACTION AYANT DES DIMENSIONS RÉDUITES POUR DES ASCENSEURS

Publication
EP 3168181 A4 20180425 (EN)

Application
EP 14853171 A 20140707

Priority
ES 2014070549 W 20140707

Abstract (en)
[origin: EP3168181A1] Traction system with reduced dimensions for lifts comprising: a motor (1) responsible for transmitting movement to a traction system via a traction pulley (4); wherein the traction system performs such traction on a counterweight (5) by means of traction transmission (7) arranged in a closed loop; a suspension system of the car (14) and counterweight via suspension cables (8), wherein the traction of the car is performed indirectly through the counterweight, the tension to be applied to the traction belt is performed by a cam system which can only rotate in the direction of supplying tension (6), and all elements are arranged and accommodated between a wall of the lift shaft and the facing wall of the car. Achieving optimization of the use of the surface area of the lift shaft, being of special application in existing buildings being refurbished in which the lift shaft is reduced and there is no overhead clearance or pit.

IPC 8 full level
B66B 11/00 (2006.01)

CPC (source: EP)
B66B 11/009 (2013.01)

Citation (search report)
• [A] EP 2022743 A1 20090211 - MITSUBISHI ELECTRIC CORP [JP]
• [A] EP 1481934 A1 20041201 - MITSUBISHI ELECTRIC CORP [JP]
• [A] US 810941 A 19060130 - HISS NELSON [US], et al
• [A] US 789765 A 19050516 - SMITH RUDOLPH C [US]
• See references of WO 2016005612A1

Designated contracting state (EPC)
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