Title (en)
Linear motion drive system for Rucksack type elevator

Title (de)
Linearantriebssystem für Rucksack-Aufzugskabine

Title (fr)
Dispositif d'entraînement à actionnement linéaire pour ascenseur du type Rucksack

Publication
EP 1818305 B1 20120411 (DE)

Application
EP 07101651 A 20070202

Priority
• EP 06101413 A 20060208
• EP 07101651 A 20070202

Abstract (en)
[origin: US2007199770A1] An elevator installation has an elevator car and a permanent magnet linear drive system with a stationary part and a movable part, which moves along the stationary part when the permanent magnet linear drive system is controlled in a drive mode. The elevator car is arranged in a rucksack configuration. The stationary part has two inclined interaction surfaces which include an angle between 0° and 180°. The movable part comprises two units which are so arranged in common on a rear side of the elevator car and mechanically positively connected with the elevator car that in the case of drive control each of the two units produces a movement along one of the interaction surfaces in order to thus move the elevator car.

IPC 8 full level
B66B 11/04 (2006.01)

CPC (source: EP KR US)
B66B 11/04 (2013.01 - KR); **B66B 11/0407** (2013.01 - EP US)

Cited by
DE102016205463A1; WO2018069455A1; DE102016118028A1; AU2017343736B2; DE102014219862A1; US10968079B2; WO2017167881A1; WO2021099263A1; US11691851B2; DE102014017357A1; US10266374B2

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007199770 A1 20070830; **US 7628251 B2 20091208**; AT E553056 T1 20120415; AU 2007200533 A1 20070823; AU 2007200533 B2 20111006; CA 2577358 A1 20070808; CN 101016135 A 20070815; CN 101016135 B 20101103; EP 1818305 A1 20070815; EP 1818305 B1 20120411; HK 1110292 A1 20080711; JP 2007217188 A 20070830; KR 101340258 B1 20131210; KR 20070080838 A 20070813; NZ 552308 A 20081128; RU 2007104732 A 20080820; SG 135105 A1 20070928; TW 200806562 A 20080201; TW I370098 B 20120811; ZA 200700936 B 20071128

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US 67265407 A 20070208; AT 07101651 T 20070202; AU 2007200533 A 20070207; CA 2577358 A 20070206; CN 200710004050 A 20070123; EP 07101651 A 20070202; HK 08101102 A 20080129; JP 2007014560 A 20070125; KR 20070012848 A 20070207; NZ 55230806 A 20061221; RU 2007104732 A 20070207; SG 2007008162 A 20070202; TW 96102988 A 20070126; ZA 200700936 A 20070201