Title (en)

DRIVE UNIT FOR MOVING LOADS AND PEOPLE, AND DEVICES FOR MOVING PEOPLE AND LOADS COMPRISING SUCH DRIVE UNITS

Title (de)

ANTRIEBSEINHEIT ZUM BEWEGEN VON LASTEN UND PERSONEN SOWIE VERRICHTUNGEN ZUM BEWEGEN VON PERSONEN UND LASTEN MIT DERARTIGEN ANTRIEBSEINHEITEN

Title (fr)

UNITÉ D'ENTRAÎNEMENT POUR DÉPLACER DES CHARGES ET DES PERSONNES, ET DISPOSITIFS POUR DÉPLACER DES PERSONNES ET DES CHARGES AU MOYEN D'UNITÉS D'ENTRAÎNEMENT DE CE TYPE

Publication

EP 2702002 B1 20150909 (DE)

Application

EP 12721912 A 20120412

Priority

- DE 202011005664 U 20110428
- DE 102011102199 A 20110519
- DE 202011108577 U 20111203
- IB 2012000736 W 20120412

Abstract (en)

[origin: WO2013050824A1] The invention relates to a drive unit which comprises a motor (6)-driven spindle (5), rollers (2, 3), and cables (11), and which has a favourable transmission ratio, specifically N:1 in which N = 4 + n, and n is an integer between -2 and 8 including 0. Said unit is used to move loads and people, is particularly suitable for lifts, is space-saving, environmentally friendly, low-maintenance, economical in terms of energy consumption, and can be used both in the construction of new lifts and in the renovation of older installations. It allows the installation to be operated securely, and people and loads to be transported at high speeds. It can, for example, be installed at the lower or upper end of a shaft, or also outside of the shaft. It can be used for movement in a vertical, horizontal and also inclined direction, and may be provided with a counter weight.

IPC 8 full level

B66B 11/04 (2006.01); **B66B 9/02** (2006.01)

CPC (source: EP US)

B66B 9/025 (2013.01 - EP US); **B66B 11/0446** (2013.01 - EP US); **B66F 19/00** (2013.01 - US)

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

DOCDB simple family (publication)

DE 102012007174 A1 20121031; BR 112013027552 A2 20170110; CN 103517865 A 20140115; CN 108373096 A 20180807; EP 2702002 A1 20140305; EP 2702002 B1 20150909; EP 2702002 B8 20151202; ES 2549554 T3 20151029; JP 2014512319 A 20140522; JP 5947373 B2 20160706; PL 2702002 T3 20160531; RU 2013152736 A 20150610; US 2014054115 A1 20140227; US 9624074 B2 20170418; WO 2013050824 A1 20130411

DOCDB simple family (application)

DE 102012007174 A 20120412; BR 112013027552 A 20120412; CN 201280020746 A 20120412; CN 201810178522 A 20120412; EP 12721912 A 20120412; ES 12721912 T 20120412; IB 2012000736 W 20120412; JP 2014506943 A 20120412; PL 12721912 T 20120412; RU 2013152736 A 20120412; US 201214114451 A 20120412