

Title (en)  
TRACTIVE DEVICE FOR AN ELEVATOR SYSTEM

Title (de)  
ZUGMITTELEINRICHTUNG FÜR EINE AUFZUGSANLAGE

Title (fr)  
DISPOSITIF À LIEN SOUPLE POUR UN SYSTÈME D'ASCENSEUR

Publication  
**EP 2331444 B1 20140219 (DE)**

Application  
**EP 09809059 A 20091217**

Priority  
• EP 2009009073 W 20091217  
• DE 102008063529 A 20081218  
• DE 102009048989 A 20091009

Abstract (en)  
[origin: WO2010069563A1] The invention relates to a shaft frame (102) for a lift system (103), which can be arranged in a free-standing manner and/or in a lift shaft (100) and which is used to receive a load lifting means (200) that is moved up and down in the shaft frame (102) by way of at least one drive shaft (204) connected to a drive motor (126) and mounted horizontally on the shaft frame (102) or in the lift well (100) using supporting means, particularly a traction means device (208). The aim of the invention is to produce the shaft frame (102) and the associated lift system in a simple and cost-effective manner with optimum space utilization for the load lifting means. According to the invention, the aim is achieved in that at least one drive shaft (204) extends approximately horizontally between two diagonally opposed corner regions (105) of the shaft frame (102) and are connected directly or indirectly to parts located on opposite sides, particularly to longitudinal sides (109, 111, 113, 115), of the shaft frame (102) or wall parts of the lift well (100), and in the region of the two ends comprises a drive wheel (206) that is moved up or down by supporting means (208) of the load lifting means (200).

IPC 8 full level  
**B66B 9/00** (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP US)  
**B66B 7/023** (2013.01 - EP US); **B66B 11/0005** (2013.01 - EP US); **E04C 3/30** (2013.01 - US); **E04F 17/005** (2013.01 - EP US)

Designated contracting state (EPC)  
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 SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010069563 A1 20100624**; AU 2009328553 A1 20100624; AU 2009328553 B2 20130307; AU 2009328561 A1 20100624; AU 2009328561 B2 20131031; AU 2009328562 A1 20100624; AU 2009328562 B2 20130919; CA 2738536 A1 20100624; CA 2738536 C 20150421; CA 2738594 A1 20100624; CA 2738594 C 20160607; CA 2738595 A1 20100624; CA 2738595 C 20180102; CN 102232047 A 20111102; CN 102232047 B 20160420; CN 102232048 A 20111102; CN 102232048 B 20140122; CN 102232049 A 20111102; CN 102232049 B 20160706; EP 2331444 A2 20110615; EP 2331444 B1 20140219; EP 2356056 A1 20110817; EP 2356056 B1 20121010; EP 2358625 A1 20110824; EP 2358625 B1 20121128; ES 2397517 T3 20130307; ES 2399399 T3 20130401; ES 2461915 T3 20140521; JP 2012512113 A 20120531; JP 2012512114 A 20120531; JP 2012512792 A 20120607; JP 5578477 B2 20140827; JP 5594540 B2 20140924; JP 5780483 B2 20150916; RU 2011112041 A 20130127; RU 2011112042 A 20130127; RU 2011112043 A 20130127; RU 2482051 C2 20130520; RU 2486125 C2 20130627; RU 2506219 C2 20140210; US 2011232226 A1 20110929; US 2011266413 A1 20111103; US 2012037459 A1 20120216; US 8991560 B2 20150331; US 8997405 B2 20150407; US 8997942 B2 20150407; WO 2010069571 A2 20100624; WO 2010069571 A3 20100805; WO 2010069571 A4 20101021; WO 2010069572 A1 20100624; WO 2010069572 A9 20101216; WO 2010069572 A9 20110428

DOCDB simple family (application)  
**EP 2009009050 W 20091216**; AU 2009328553 A 20091216; AU 2009328561 A 20091217; AU 2009328562 A 20091217; CA 2738536 A 20091216; CA 2738594 A 20091217; CA 2738595 A 20091217; CN 200980148208 A 20091216; CN 200980148218 A 20091217; CN 200980148221 A 20091217; EP 09801406 A 20091216; EP 09809059 A 20091217; EP 09820065 A 20091217; EP 2009009073 W 20091217; EP 2009009074 W 20091217; ES 09801406 T 20091216; ES 09809059 T 20091217; ES 09820065 T 20091217; JP 2011541206 A 20091216; JP 2011541211 A 20091217; JP 2011541212 A 20091217; RU 2011112041 A 20091217; RU 2011112042 A 20091217; RU 2011112043 A 20091216; US 200913131951 A 20091216; US 200913131956 A 20091217; US 200913131966 A 20091217