

Title (en)
ELEVATOR ASSEMBLY WITH SELF-DRIVING ELEVATOR CABIN

Title (de)
AUFZUGANLAGE MIT SELBSTFAHRENDER AUFZUGSKABINE

Title (fr)
INSTALLATION D'ASCENSEUR DOTÉE D'UNE CABINE D'ASCENSEUR AUTOMATIQUE

Publication
EP 2303750 B1 20131009 (DE)

Application
EP 09780643 A 20090715

Priority

- EP 2009059077 W 20090715
- EP 08160999 A 20080723
- EP 09780643 A 20090715

Abstract (en)
[origin: WO2010010023A1] The invention relates to an elevator system (100) comprising an elevator cabin (5), two vertical lateral guide structures (10), two counterweights (18) which can be moved along the guide structures (10) and a drive mechanism of its own. The elevator cabin (5) is connected to the counterweights (18) by load-bearing means (19). Flat drives (6) serve as drive mechanisms. The flat drives (6) are fixed to mutually opposite cabin sides (5.1, 5.2) of the elevator cabin (5), each flat drive (6) comprising a gear rim (7) which engages into complementary toothings (25) provided on the guide structures (10). A rotational movement of the gear rim (7) is thus converted into a vertical movement of the elevator cabin (5).

IPC 8 full level
B66B 9/02 (2006.01); **B66B 11/00** (2006.01)

CPC (source: EP)
B66B 9/022 (2013.01); **B66B 11/005** (2013.01)

Cited by
US10875743B2; US11434107B2

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 2010010023 A1 20100128; CN 102099280 A 20110615; EP 2303750 A1 20110406; EP 2303750 B1 20131009

DOCDB simple family (application)
EP 2009059077 W 20090715; CN 200980128526 A 20090715; EP 09780643 A 20090715