

Title (en)

Elevator system with independently movable elevator cars and method for controlling its movement

Title (de)

Aufzugsanlage mit individuell bewegbaren Aufzugskabinen und Verfahren zum Betreiben einer solchen Aufzugsanlage

Title (fr)

Système d'ascenseurs avec cabines indépendantes et méthode pour contrôler leur déplacement

Publication

EP 1619157 B1 20101229 (DE)

Application

EP 05106584 A 20050719

Priority

- EP 04405467 A 20040722
- EP 05106584 A 20050719

Abstract (en)

[origin: US2006016640A1] An elevator installation has a vertical elevator hoistway and a plurality of elevator cars individually movable therein. An elevator control system readies at least two of the elevator cars in the hoistway in an area of two mutually adjacent entrance areas. Thus, simultaneous loading/unloading of the elevator cars via the entrance areas is possible. The two elevator cars then travel to destination floors, the first elevator car traveling a distance which is at least as great as that traveled by the second elevator car.

IPC 8 full level

B66B 1/24 (2006.01); **B66B 9/00** (2006.01)

CPC (source: EP US)

B66B 1/2466 (2013.01 - EP US); **B66B 1/2491** (2013.01 - EP US); **B66B 9/00** (2013.01 - EP US); **B66B 9/003** (2013.01 - EP US); **B66B 2201/103** (2013.01 - EP US); **B66B 2201/307** (2013.01 - EP US); **B66B 2201/402** (2013.01 - EP US); **B66B 2201/403** (2013.01 - EP US); **Y10S 187/902** (2013.01 - EP US)

Cited by

DE102014224323A1; DE102015212903A1; EP1970340A1; DE102017205354A1; DE102014201804A1; DE102017219744A1; DE102015102563A1; DE102018120658A1; US11084687B2; US10106372B2; WO2008110025A1; US10464781B2; WO2010072659A1; WO2010072660A1; US8739936B2; US8827043B2; US10526166B2

Designated contracting state (EPC)

CH DE ES FR GB LI

DOCDB simple family (publication)

US 2006016640 A1 20060126; **US 7537089 B2 20090526**; CA 2512569 A1 20060122; CN 100491222 C 20090527; CN 1724328 A 20060125; DE 502005010741 D1 20110210; EP 1619157 A1 20060125; EP 1619157 B1 20101229; EP 1619157 B2 20170830; ES 2359002 T3 20110517; HK 1086810 A1 20060929; JP 2006036537 A 20060209; MX PA05007707 A 20060126; MY 136472 A 20081031; SG 119288 A1 20060228; TW 200604088 A 20060201; TW I343357 B 20110611

DOCDB simple family (application)

US 18079705 A 20050713; CA 2512569 A 20050720; CN 200510085966 A 20050721; DE 502005010741 T 20050719; EP 05106584 A 20050719; ES 05106584 T 20050719; HK 06106998 A 20060620; JP 2005205165 A 20050714; MX PA05007707 A 20050720; MY PI20053236 A 20050714; SG 200504226 A 20050704; TW 94121754 A 20050629