

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 B2 20170830 (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)

Citation (opposition)

Opponent :

- JP H0812205 A 19960116 - TODA CONSTRUCTION
- US 2004129502 A1 20040708 - HIKITA SHIRO [JP]
- US 1837643 A 19311222 - NORMAN ANDERSON JOHN
- EP 1367018 A2 20031203 - INVENTIO AG [CH]
- DE 20206290 U1 20020822 - MUELLER WOLFGANG T [DE] & REUTER, GÜNTHER DR.: "THYSSENKRUPP'S TWIN LIFT SYSTEM "PART TWO"", ELEVATOR WORLD, April 2004 (2004-04-01), pages 58 - 64
- REUTER G.: ""TWIN" Die neue Generation eines Aufzuges", THYSSENKRUPP-TECHFORUM, July 2003 (2003-07-01)
- GALE, JOHN: "THYSSENKRUPP'S TWIN LIFT SYSTEM-PART ONE: THE INTRODUCTION", ELEVATOR WORLD, July 2003 (2003-07-01), pages 51 - 53

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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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