

Title (en)

Multi-car elevator

Title (de)

Mehrkabinenaufzug

Title (fr)

Ascenseur à plusieurs cabines

Publication

EP 1876134 A3 20120613 (EN)

Application

EP 07013384 A 20070709

Priority

JP 2006187341 A 20060707

Abstract (en)

[origin: EP1876134A2] At the present invention a multi-car elevator includes: an in-tower transmitter (5b) which generates a sound signal, the in-tower transmitter (5b) being provided on a measuring side of a first sound signal conductor (4a); an in-tower detector (6b) which detects the sound signal, the in-tower detector (6b) being provided on the measuring side of a second sound signal conductor (4b); on-car detectors (7a) provided on respective cars (1); and on-car transmitters (8a) provided on respective cars (1). The in-tower transmitter (5a) generates a call signal, the on-car transmitters (8a) generate the response signals to the second sound signal conductor (4b) after the call signal is detected by the on-car detectors to obtain positions of the respective cars (1).

IPC 8 full level

B66B 9/00 (2006.01)

CPC (source: EP)

B66B 1/3492 (2013.01); **B66B 9/00** (2013.01); **B66B 9/003** (2013.01)

Citation (search report)

- [A] CA 2201701 A1 19981003 - SAKITA MASAMI [US]
- [A] US 6161652 A 20001219 - KOSTKA MIROSLAV [CH], et al
- [A] WO 03043920 A1 20030530 - OTIS ELEVATOR CO [US], et al
- [A] DE 4426793 C1 19951026 - SCHMERSAL K A GMBH & CO [DE]

Cited by

CN107487684A; CN107522070A; CN107522069A; CN107487694A; US2020102184A1; US10710841B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07013384 A 20070709; CN 200710127349 A 20070702; JP 2006187341 A 20060707