

Title (en)

Multi-car elevator

Title (de)

Mehrkabinenaufzug

Title (fr)

Ascenseur pour plusieurs voitures

Publication

EP 2003081 B1 20120111 (EN)

Application

EP 08010523 A 20080610

Priority

JP 2007154651 A 20070612

Abstract (en)

[origin: EP2003081A1] A multi-car elevator composed of two or more shafts (2L, 2R) and having a plurality of cages (3a, 3c) moving in the same shaft vertically is provided. The multi-car elevator includes: a failure detecting unit (6) that detects failure in the cages (3a, 3b, 3c) and a position in which failure is caused; an operating mode switching unit (7) for switchover to degrade operation for service of those cages (3a, 3b, 3c) in which failure is not detected, in the case where failure is detected; and a cage stop floor assigning unit (11) that assigns a stop floor to each cage (3a, 3b, 3c) between a highest floor or a lowest floor and that position in which the failure is caused. In the case where switchover to the degraded operation is made and a hall call is generated, a cage is assigned to service, the cage having been assigned as the stop floor to a floor called by the hall call.

IPC 8 full level

B66B 1/24 (2006.01)

CPC (source: EP)

B66B 1/34 (2013.01); **B66B 1/3415** (2013.01); **B66B 5/02** (2013.01); **B66B 9/10** (2013.01)

Cited by

EP3418232A1; DE102017205354A1; US2020102184A1; US11279591B2; WO2016096699A1; US10294074B2; US10494229B2; WO2017093595A1

Designated contracting state (EPC)

DE FR

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EP 2003081 A1 20081217; **EP 2003081 B1 20120111**; CN 101323408 A 20081217; CN 101323408 B 20100609; JP 2008308239 A 20081225; JP 4539682 B2 20100908

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