

Title (en)

Group control for elevators with double cabins with direct allocation of calls.

Title (de)

Gruppensteuerung für Aufzüge mit Doppelkabinen mit Sofortzuteilung von Zielrufen.

Title (fr)

Commande de groupes pour ascenseurs avec deux cabines superposées avec distribution directe d'appels.

Publication

EP 0459169 B1 19940810 (DE)

Application

EP 91107083 A 19910502

Priority

CH 186390 A 19900601

Abstract (en)

[origin: CA2042971A1] Summary: In this group control, upper as well as also lower cages of the double cages can be used at a main stopping place for journeys to even-numbered and odd-numbered storeys. For this purpose, a respective call store (20, 21), in which the calls entered at the main stopping place and identifying the target storeys are stored, is associated with the lower and the upper cage. A switching circuit (32) at its input side stands in connection with the call stores (20, 21) in such a manner that the double cage concerned is scheduled in dependence on a allocated call as stopping at storey pairs numbered even-odd or odd-even. At the output side, the switching circuit (32) is connected with a switching equipment (31), which has the effect that either the double cages stopping at storey pairs numbered even-odd or the double cages stopping at storey pairs numbered odd-even are excluded from the allocation process in the case of a further call still to be allocated in order to maximise the possibilities for co-incident stops without losing flexibility. (Fig. 2)

[origin: CA2042971A1] In this group control, upper as well as also lower cages of the double cages can be used at a main stopping place for journeys to even-numbered and odd-numbered storeys. For this purpose, a respective call store (20, 21), in which the calls entered at the main stopping place and identifying the target storeys are stored, is associated with the lower and the upper cage. A switching circuit (32) at its input side stands in connection with the call stores (20, 21) in such a manner that the double cage concerned is scheduled in dependence on a allocated call as stopping at storey pairs numbered even-odd or odd-even. At the output side, the switching circuit (32) is connected with a switching equipment (31), which has the effect that either the double cages stopping at storey pairs numbered even- odd or the double cages stopping at storey pairs numbered odd-even are excluded from the allocation process in the case of a further call still to be allocated in order to maximise the possibilities for co-incident stops without losing flexibility.

IPC 1-7

B66B 1/14; **B66B 1/20**

IPC 8 full level

B66B 1/18 (2006.01); **B66B 1/14** (2006.01); **B66B 1/24** (2006.01)

CPC (source: EP US)

B66B 1/2458 (2013.01 - EP US); **B66B 2201/103** (2013.01 - EP US); **B66B 2201/222** (2013.01 - EP US); **B66B 2201/306** (2013.01 - EP US); **Y10S 187/902** (2013.01 - EP US)

Cited by

WO2010081709A1; CN110155832A; CN102282086A; EP2029466A4; AU2010205753B2; US6508333B2; WO2007147927A1; EP2208701A1; EP2029466A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0459169 A1 19911204; **EP 0459169 B1 19940810**; AT E109748 T1 19940815; BR 9102238 A 19920107; CA 2042971 A1 19911202; CA 2042971 C 20030722; DE 59102469 D1 19940915; ES 2062606 T3 19941216; HK 153195 A 19950929; JP 3029140 B2 20000404; JP H04226284 A 19920814; MX 172735 B 19940110; US 5086883 A 19920211

DOCDB simple family (application)

EP 91107083 A 19910502; AT 91107083 T 19910502; BR 9102238 A 19910531; CA 2042971 A 19910521; DE 59102469 T 19910502; ES 91107083 T 19910502; HK 153195 A 19950921; JP 12784691 A 19910530; MX 2601191 A 19910530; US 70844591 A 19910531