

Title (en)

LOAD-DEPENDENT CONTROL DEVICE FOR A LIFT

Publication

EP 0199015 B1 19880907 (DE)

Application

EP 86102297 A 19860221

Priority

CH 171385 A 19850422

Abstract (en)

[origin: US4708224A] An elevator control system includes a car load measuring device for generating a car load signal representing the number of passengers in an elevator car and a floor load sensor for generating a signal representing the number of passengers waiting for an elevator at each floor. As the elevator car approaches the next floor at which it could stop, the floor load sensor generates its signal for that floor which is combined with the car load signal in an adder to generate a signal representing the total car load if the elevator car were to stop. The signal representing the total load is compared with a signal representing a maximum permissible car load and, if the maximum has not been exceeded, an enable signal is generated to one input of each of a plurality of logic circuits. The second input of each logic circuit is connected to a memory cell for a corresponding floor in a floor call memory and the third input of each logic circuit is connected to the corresponding floor in the floor selector device. Thus, when the signal representing the next floor at which the elevator car could stop corresponds to a stored floor call for that floor and the total potential load does not exceed the maximum permissible load, the corresponding logic circuit will generate a stop signal to cause the elevator to stop at the respective floor.

IPC 1-7

B66B 1/20

IPC 8 full level

B66B 1/14 (2006.01); **B66B 1/18** (2006.01); **B66B 1/20** (2006.01); **B66B 1/24** (2006.01); **B66B 3/00** (2006.01)

CPC (source: EP US)

B66B 1/2458 (2013.01 - EP US); **B66B 2201/102** (2013.01 - EP US); **B66B 2201/222** (2013.01 - EP US)

Cited by

EP0312730A1; CN105000439A; EP0528188A1; US5435416A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0199015 A1 19861029; **EP 0199015 B1 19880907**; AT E37015 T1 19880915; CA 1252924 A 19890418; DE 3660672 D1 19881013; FI 861619 A0 19860417; FI 861619 A 19861023; FI 87553 B 19921015; FI 87553 C 19930125; HK 790 A 19900112; JP H0635266 U 19940510; JP S61243780 A 19861030; US 4708224 A 19871124

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