Title (en)

Elevator speed governor

Title (de)

AUFZUGSGESCHWINDIGKEITSREGLER

Title (fr)

REGULATEUR DE VITESSE D ASCENSEUR

Publication

EP 1454867 B1 20120822 (EN)

Application

EP 01274956 A 20011211

Priority

JP 0110848 W 20011211

Abstract (en)

[origin: EP1454867A1] There is provided a first governor (121) which restrains the circulatory movement of a governor rope (13) suspended in a hoistway (1) when the speed of a car (8), the car ascending/descending a hoistway (1), has reached a first overspeed, thereby causing an emergency stopper (10) engaging a guide rail to perform braking operation. The car (8) is provided with a second governor (42). When the speed of the car has reached a second overspeed lower than the first overspeed, the emergency stopper (10) is caused to perform braking operation. Further, end region drive means (55) is provided in the hoistway (1), and the second governor (42) is driven when the car (8) ascends or descends across the end region. <??>By means of such a construction, when the car (8) descends at an overspeed in the end region of the hoistway (1), the emergency stopper (10) performs braking operation at an overspeed lower than an emergency braking overspeed which would be achieved in an intermediate region of the hoistway (1). As a result, a buffer ascending/descending distance of the car (8) at the end of the hoistway can be shortened, thereby curtailing the cost for constructing the hoistway (1) and the cost for manufacturing a buffer (111). <IMAGE>

IPC 8 full level

B66B 5/08 (2006.01); **B66B 5/04** (2006.01)

CPC (source: EP KR)

B66B 1/32 (2013.01 - KR); **B66B 5/044** (2013.01 - EP); **B66B 5/08** (2013.01 - EP)

Cited by

ES2404487A1; ES2404488A1; WO2007003671A1

Designated contracting state (EPC)

DE FR NL

DOCDB simple family (publication)

EP 1454867 A1 20040908; **EP 1454867 A4 20100707**; **EP 1454867 B1 20120822**; CN 1297465 C 20070131; CN 1489548 A 20040414; JP 3944482 B2 20070711; JP WO2003050029 A1 20050421; KR 100511852 B1 20050902; KR 20040018331 A 20040303; WO 03050029 A1 20030619

DOCDB simple family (application)

EP 01274956 A 20011211; CN 01822494 A 20011211; JP 0110848 W 20011211; JP 2003551058 A 20011211; KR 20037010092 A 20030730