

Title (en)
Rope compensation for elevator.

Title (de)
Seilkompensation pour Aufzug.

Title (fr)
Compensation de câbles pour ascenseur.

Publication
EP 0653372 A3 19950913 (EN)

Application
EP 94118029 A 19941115

Priority
FI 935060 A 19931116

Abstract (en)
[origin: EP0653372A2] The invention relates to a compensation arrangement in an elevator (1) comprising an elevator car (2) and a counterweight (3), elevator suspension ropes (11) on which the elevator car (2) and the counterweight (3) are suspended, a traction sheave (5) whose motion is transmitted via the suspension ropes (11) to the elevator car (2) and to the counterweight (3), a car cable (4) and at least one diverting pulley (6). The compensation arrangement consists of at least one compensation loop (7a) for the elevator car (2), said loop being suspended from the elevator car (2) and a shaft wall, and at least one compensation loop (7b) for the counterweight (3), said loop being suspended from the counterweight (3) and a shaft wall. The circulation speed of the compensation loop (7b) for the counterweight (3) is half the travelling speed of the counterweight (3), and the circulation speed of the compensation loop (7a) for the elevator car (2) is half the travelling speed of the elevator car (2). The compensation loops (7a,7b) are attached to the shaft wall at a point at or above the midpoint of the path of the elevator car (2) or counterweight (3). <IMAGE>

IPC 1-7
B66B 7/06

IPC 8 full level
B66B 7/06 (2006.01)

CPC (source: EP)
B66B 7/068 (2013.01)

Citation (search report)
• [Y] EP 0385255 A1 19900905 - OTIS ELEVATOR CO [US]
• [XY] F.A. ANNETT: "Elevators", MCGRAW-HILL BOOK COMPANY, INC., NEW YORK

Cited by
WO2012034899A1; EP1234796A1; EP1790608A1; US8087497B2; DE10305275A1; DE10305275B4; WO02068307A1

Designated contracting state (EPC)
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