

Title (en)

Method and apparatus for measuring the load in an elevator car

Title (de)

Verfahren und Einrichtung zur Messung der Last in einer Aufzugskabine

Title (fr)

Procédé et dispositif pour mesurer la charge dans une cabine d'ascenseur

Publication

EP 0755894 B1 20010314 (DE)

Application

EP 96111277 A 19960712

Priority

CH 218795 A 19950726

Abstract (en)

[origin: EP0755894A1] The load measuring system detects the compression of the springs (9) supporting the lift cabin (3) relative to a surrounding carrier frame (7) for detecting variations in the load within the lift cabin. The movement of the lift cabin relative to the carrier frame and the lift shaft is detected via an endless band (12) displaced in conjunction with the lift cabin and a cooperating pulse generator (13). This provides a signal (SL) which is evaluated for controlling the current for the lift drive motor (4).

IPC 1-7

B66B 1/34

IPC 8 full level

G01G 19/14 (2006.01); **B66B 1/30** (2006.01); **B66B 1/34** (2006.01); **B66B 3/00** (2006.01); **B66B 5/14** (2006.01)

CPC (source: EP US)

B66B 1/3484 (2013.01 - EP US)

Cited by

DE102019200052A1; DE102014225551A1; EP1790607A3; EP1314675A1; DE102010019368A1; EP0953537A3; EP3848314A1

Designated contracting state (EPC)

AT CH DE ES FR GB IT LI

DOCDB simple family (publication)

EP 0755894 A1 19970129; EP 0755894 B1 20010314; AT E199699 T1 20010315; BR 9603180 A 20040817; CA 2181882 A1 19970127; CA 2181882 C 20070109; DE 59606572 D1 20010419; JP 3628814 B2 20050316; JP H0943039 A 19970214; US 5852264 A 19981222

DOCDB simple family (application)

EP 96111277 A 19960712; AT 96111277 T 19960712; BR 9603180 A 19960725; CA 2181882 A 19960723; DE 59606572 T 19960712; JP 19629996 A 19960725; US 68322096 A 19960718