

Title (en)

Safety device for automatically checking the weight of the load present on one or more lifting groups of an elevator, of a platform, of a lift or of other similar apparatuses

Title (de)

Sicherheitseinrichtung zur automatischen Erkennung des Gewichts einer aus mehreren vorhandenen Aufzugseinheiten eines Aufzuges, einer Hebebühne o.ä.

Title (fr)

Dispositif de sécurité pour vérifier automatiquement le poids de la charge sur un ou plusieurs unité d'ascenseur, d'une plateforme, ou d'autres appareils semblables

Publication

**EP 1790607 B1 20110323 (EN)**

Application

**EP 06024279 A 20061123**

Priority

IT VI20050313 A 20051129

Abstract (en)

[origin: EP1790607A2] The present finding concerns a safety device for automatically checking the weight present on one or more lifting groups of an elevator, of a platform, of a lift or of other similar apparatuses. Such a device is of the type in which the mobile platform or the cabin (1), able to slide on the column (2), consists of a board (3) on which the load rests and a motorisation group (4), formed from a welded structure (5), which supports the motor group, consisting of a geared motor (6) or another work device, which takes care of moving the aforementioned platform on the aforementioned column. Such a safety device is characterised in that it foresees that the two components of the platform (1), i.e. the board (3) on which the load is rested and the motorisation group (4) consist of two distinct and separate work groups, between which an intermediate element (8) is inserted that, as well as acting as connection means between the aforementioned groups, to allow the entire platform to be moved vertically, also detects the weight value of the material loaded onto the board.

IPC 8 full level

**B66B 1/34** (2006.01); **B66B 1/48** (2006.01)

CPC (source: EP)

**B66B 1/3484** (2013.01); **B66B 1/48** (2013.01); **B66B 5/145** (2013.01)

Cited by

CN107399654A; ITVI20120248A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1790607 A2 20070530**; **EP 1790607 A3 20081126**; **EP 1790607 B1 20110323**; AT E502890 T1 20110415; DE 602006020823 D1 20110505; IT VI20050313 A1 20070530

DOCDB simple family (application)

**EP 06024279 A 20061123**; AT 06024279 T 20061123; DE 602006020823 T 20061123; IT VI20050313 A 20051129