Title (en)

LOAD-CARRYING MEANS FOR CABLE-OPERATED ELEVATORS WITH AN INTEGRATED LOAD MEASUREMENT DEVICE

Title (de)

LASTAUFNAHMEMITTEL FÜR SEIL-AUFZÜGE MIT INTEGRIERTER LASTMESSEINRICHTUNG

Title (fr)

MOYEN DE SUSPENSION DE CHARGE DESTINE A DES MONTE-CHARGES A CABLES DOTES D'UN DISPOSITIF DE MESURE DE CHARGE INTEGRE

Publication

EP 1278694 A1 20030129 (DE)

Application

EP 01921103 A 20010426

Priority

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- CH 0100625 W 20010426
- EP 00810371 A 20000501

Abstract (en)

[origin: WO0183350A1] A load-carrying means (1) for cable-operated elevators comprising an under-loop cable arrangement is equipped with a load measurement device. At least one of the pulleys mounted underneath the load-carrying means (1) is fixed to said load-carrying means by a support structure containing an elastic element (7.1, 16, 22) which is deformed by the load-dependant cable forces exerted on the pulley(s) (9). A single sensor (15, 16) determines the extent of this deformation and produces a corresponding signal representing the weight of the load-carrying means (1) as the input for the elevator control system.

IPC 1-7

B66B 1/34

IPC 8 full level

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CPC (source: EP KR US)

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