Title (en)

ELEVATOR ARRANGEMENT AND METHOD OF COMPUTING CONTROL INFORMATION FOR ELEVATOR

Title (de)

AUFZUGSANORDNUNG UND VERFAHREN ZUR BERECHNUNG VON STEUERUNGSINFORMATIONEN FÜR DEN AUFZUG

Title (fr)

AGENCEMENT D'ASCENSEUR ET PROCÉDÉ DE CALCUL D'INFORMATIONS DE COMMANDE POUR ASCENSEUR

Publication

EP 3275823 A1 20180131 (EN)

Application

EP 17187981 A 20131218

Priority

- FI 20126337 A 20121219
- EP 13197969 A 20131218

Abstract (en)

The present invention relates generally to elevators and measuring masses or forces that affect the elevators. The invention comprises an arrangement for measuring, in an accurate manner, the forces which have effect on a traction sheave connected to a hoisting machine. The arrangement comprises a first sensor (5a) to provide a first measuring result representing magnitude of a first force, a second sensor (5b) to provide a second measuring result representing magnitude of a second force, and a computing unit (12) to compute, on the basis of the first measuring result and the second measuring result, a difference between the first force and the second force. The difference computed can be utilized, for example, in calculating the torque on the traction sheave. When this torque is known, the hoisting machine can be used with an appropriate power so that it moves the elevator car smoothly up or down. In addition or alternative, it is possible to compute a sum of the first force and the second force and this sum can be utilized in the control of the elevator.

IPC 8 full level

B66B 1/34 (2006.01)

CPC (source: EP FI)

B66B 1/3476 (2013.01 - FI); **B66B 1/3484** (2013.01 - EP)

Citation (search report)

- [A] DE 3307020 A1 19840830 - ASEA AB [SE]
- [A] US 3614996 A 19711026 - SAITO KENJI, et al

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