

Title (en)
EMERGENCY BRAKING DEVICE FOR A LIFT CABIN

Title (de)
NOTBREMSEINRICHTUNG FÜR EINE AUFZUGSKABINE

Title (fr)
DISPOSITIF DE FREINAGE D'URGENCE DESTINE A UNE CABINE D'ASCENSEUR

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Application
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Abstract (en)
[origin: WO2006077244A1] According to the invention, a lift cabin is equipped with a detector (11) that records the speed of the cabin, said detector comprising a unit (13) that identifies an excess speed and that electrically controls a braking device. The aim of the invention is to ensure the reliable detection of the speed of the lift cabin. To achieve this, in order to determine said speed, two rollers (9) are provided on a guide track (2). The speed of each roller (9) is recorded independently by detectors (11) and the unit (13) triggers an emergency braking procedure, if one of the detectors (11) indicates an excess speed. The two rollers (9) can be mounted to pivot on a rocker bar (10) on either side of the guide track (2), the rocker bar (10) being eccentrically pre-tensioned by a spring (15). The invention also relates to a method, according to which the actuating force for the braking device can be mechanically increased with the aid of the rollers.

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