

Title (en)

ISG-TYPE MULTIFUNCTIONAL ELECTRONIC EMERGENCY BRAKING SAFETY DEVICE

Title (de)

MEHRFUNKTIONALE ELEKTRONISCHE NOTBREMSFANGEINRICHTUNG TYP,,ISG

Title (fr)

SYSTÈME ÉLECTRONIQUE MULTIFONCTION COMBINÉ DE FREINAGE DE SECOURS ET DE DÉTECTION

Publication

EP 2043936 B1 20160928 (DE)

Application

EP 06762605 A 20060714

Priority

EP 2006006926 W 20060714

Abstract (en)

[origin: WO2008006396A1] The invention relates to an elevator comprising an elevator car that is guided inside an elevator shaft on guide rails. Said elevator also comprises electronics for inter alia travel control or regulation and an emergency braking device for preventing excess speed of the elevator car. Said emergency braking device has a braking device and a detector unit (11) the signal of which actuates the braking device when the elevator car reaches an excess speed. The detector unit (9, 11) comprises at least two wheels (8) that rest against a guide rail (2), each driving a respective detector (11) the signal of which is a measure for the rotational angle or rotational speed of the corresponding wheel. The electronics are adapted to functionally utilize the detector signal. For this purpose, at least one detector signal is used during operation of the elevator within the admissible speed range for determining at least travel, speed and/or acceleration variable of the elevator car influencing the operation of the elevator system. The electronics actuate the braking device as soon as at least one of the detectors (11), by way of its detector signal, indicates an excess speed of the elevator car outside the admissible speed range.

IPC 8 full level

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CPC (source: EP)

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