

Title (en)  
SAFETY SYSTEM FOR ELEVATORS

Title (de)  
SICHERHEITSSYSTEM FÜR AUFZÜGE

Title (fr)  
SYSTÈME DE SÉCURITÉ POUR ASCENSEURS

Publication  
**EP 2090541 B1 20140820 (EN)**

Application  
**EP 06834113 A 20061206**

Priority  
JP 2006324358 W 20061206

Abstract (en)  
[origin: EP2090541A1] A zone detecting apparatus detects a zone in which a car is present among a plurality of zones that are contiguous in a direction of movement of the car, and also detects presence or absence of passage of the car through a switchover position that is positioned at a boundary between each of the zones. A movement detecting device generates a signal that corresponds to movement of the car. A processor finds a speed of the car based on information from the movement detecting device, and finds a position of the car after the car has passed through the switchover position. A stepped overspeed reference that includes zone reference levels that are determined individually for each of the zones, and a continuous overspeed reference that is constituted by values that are greater than or equal to those of the stepped overspeed reference in each of the zones are set in the processor. The processor identifies the zone in which the car is present as a stopping zone when the car is stopped, and determines presence or absence of an overspeed in the speed of the car by comparing the stepped overspeed reference and the speed of the car when the car is inside the stopping zone, and determines presence or absence of an overspeed by comparing the continuous overspeed reference and the speed of the car when the car is outside the stopping zone.

IPC 8 full level  
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