

Title (en)
Elevator system

Title (de)
Aufzugssystem

Title (fr)
Système élévateur

Publication
EP 2927174 A1 20151007 (EN)

Application
EP 14163561 A 20140404

Priority
EP 14163561 A 20140404

Abstract (en)

The invention relates to an elevator system (10) comprising at least one elevator (12) having an elevator car (14) with at least one car door (22), and an elevator shaft (16) comprising landing doors (32), at least one control unit (34) for controlling the elevator, a safety circuit (50) with a series connection of safety circuit switches (42, 44) which is connected to the control unit, whereby at least one safety circuit switch (42) is assigned to the car door status and at least one safety circuit switch (44) is assigned to a landing door status, and a car position detection device (38, 40), which control unit comprises an operating mode control (60) configured to switch between a first operating mode, wherein the safety circuit is activated and a second operating mode wherein at least one of the safety circuit switches of the safety circuit is bypassed by a bypass means (52). Upon activation of the second operating mode the control unit activates a roof position determination unit (62) which is connected with the car position detection device and/or with a separate roof position detection device, whereby - the roof position determination unit (62) of the control unit (34) comprises a roof zone indicator (66) which is activated when the car roof (15) is positioned within a certain level range with respect to a landing floor (30), and/or - the roof position determination unit (62) initiates a car operation stop circuit (63) in the control unit (34) to stop the elevator car (14) when the car roof (15) is positioned within a certain level range with respect to a landing floor (30). Via the invention operating personal is easily able to get access to the car roof in case of malfunction of a safety circuit switch or if he wants access to the car roof with a safety circuit switch open.

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Citation (applicant)
WO 2010018298 A1 20100218 - KONE CORP [FI], et al

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