

Title (en)
LIFT FACILITY WITH A BRAKING SYSTEM

Title (de)
AUFZUGSANLAGE MIT EINEM BREMSSYSTEM

Title (fr)
INSTALLATION D'ASCENSEUR DOTÉE D'UN SYSTÈME DE FREIN

Publication
EP 3233700 B1 20230823 (DE)

Application
EP 15797352 A 20151120

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Abstract (en)
[origin: WO2016096320A1] The invention relates to an elevator system, wherein an elevator cab (2) is arranged in such a way that it can be moved along at least two guide rails (10), and the elevator cab (2) is equipped with a brake system (15) having preferably two electromechanical brake devices (20). The brake system also comprises a safety device (30) and a power-failure device (50), which has an emergency power supply (51) and an automatic resetting device (52). The emergency power supply (51) comprises a store (53) for storing electrical energy or a connection to an emergency power source independent of a normal power source (UN). If the normal power source (UN) is interrupted, the emergency power supply (51) provides electrical energy for supplying the electromechanical brake device (20) and the safety device (30). In addition, the automatic resetting device (52) comprises a decision algorithm (54) for deciding on a reason for actuation, provided the electromechanical brake device (20) is actuated, and the automatic resetting device also comprises a resetting algorithm (55), which is automatically initialized and executed, provided the decision algorithm (54) has detected a non-critical event, such as a voltage failure, as a reason for actuation.

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Citation (examination)
• EP 1733992 A1 20061220 - INVENTIO AG [CH]
• EP 0769469 A1 19970423 - INVENTIO AG [CH]
• WO 2008136692 A2 20081113 - MAGLEVVISION CORP [PH], et al
• WO 2009072138 A1 20090611 - CHHABRIA RAMESH KUMAR [IN]
• WO 2011140887 A1 20111117 - DALIAN SHIP ENGINE INDUSTRY CO LTD [CN], et al

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