

Title (en)

ELEVATOR SYSTEM HAVING A LASER DISTANCE-MEASURING DEVICE

Title (de)

AUFZUGANLAGE MIT LASERDISTANZMESSEINRICHTUNG

Title (fr)

SYSTÈME D'ASCENSEUR COMPRENANT UN DISPOSITIF DE MESURE DE DISTANCE À LASER

Publication

EP 3898478 A1 20211027 (DE)

Application

EP 19809849 A 20191202

Priority

- EP 18213312 A 20181218
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Abstract (en)

[origin: WO2020126429A1] The invention relates to an elevator system (1) having an elevator car (3) and a laser distance-measuring device (21). The elevator car (3) can be moved along a travel path (13), which is delimited at the top by an upper boundary (17) and at the bottom by a lower boundary (19). The laser distance-measuring device (21) is configured to emit a laser beam (27) and to determine a distance to a position at which the laser beam (27) impinges on an object. The laser distance-measuring device (21) is mounted on the elevator car (3) and configured such that in a first configuration the laser beam (27) can be directed upward to the upper boundary (17), and in a second configuration can be directed downward to the lower boundary (19). As a result, a current position of the elevator car (3) can be determined in a redundant manner. Furthermore, in a third configuration, lateral distances to boundary marks (35) can be measured in order to be able to read out information that is codified by the boundary marks (35).

IPC 8 full level

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CPC (source: EP US)

B66B 1/3492 (2013.01 - EP US); **G01S 7/4814** (2013.01 - US); **G01S 17/08** (2013.01 - US)

Citation (search report)

See references of WO 2020126429A1

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