

Title (en)

ELEVATOR GUIDE RAIL CONSTRUCTION METHOD AND CONSTRUCTION DEVICE

Title (de)

AUFZUGSFÜHRUNGSSCHIENENKONSTRUKTIONSVERFAHREN UND KONSTRUKTIONSVORRICHTUNG

Title (fr)

PROCÉDÉ DE CONSTRUCTION DE RAIL DE GUIDAGE D'ASCENCEUR ET DISPOSITIF DE CONSTRUCTION

Publication

EP 4227249 A4 20240710 (EN)

Application

EP 20957583 A 20201012

Priority

JP 2020038439 W 20201012

Abstract (en)

[origin: EP4227249A1] The present invention provides an elevator guide rail installation method in which, even if a wall-side rail bracket and a rail-side rail bracket are fixed using a drill screw, the drill screw can be driven without titling, there is no possibility that the drill screw interferes with the bracket, and the drill screw itself is not damaged. In the elevator guide rail installation method, a guide rail is fixed, via the rail-side rail bracket, to a wall-side rail bracket fixed to a wall surface in a hoistway in an elevator, and the wall-side rail bracket and the rail-side rail bracket are fastened by a drill screw. In the elevator guide rail installation method, a guide and a washer or a spacer having a diameter larger than that of a flange portion of the drill screw is installed between the drill screw and the rail-side rail bracket in a horizontal direction, and the guide is removed after the drill screw is installed, so that a gap is ensured between the rail-side rail bracket and the drill screw in the horizontal direction.

IPC 8 full level

B66B 7/02 (2006.01)

CPC (source: EP)

B66B 7/024 (2013.01); **B66B 19/002** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 2022079754A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4227249 A1 20230816; **EP 4227249 A4 20240710**; CN 116368088 A 20230630; JP 7391237 B2 20231204; JP WO2022079754 A1 20220421; WO 2022079754 A1 20220421

DOCDB simple family (application)

EP 20957583 A 20201012; CN 202080105948 A 20201012; JP 2020038439 W 20201012; JP 2022557227 A 20201012