

Title (en)

RAIL FOOT HOLDER FOR FASTENING A RAIL OF AN ELEVATOR SYSTEM

Title (de)

SCHIENENFUSSHALTER ZUM BEFESTIGEN EINER SCHIENE EINER AUFZUGSANLAGE

Title (fr)

SUPPORT DE PATIN DE RAIL POUR FIXER UN RAIL D'UNE INSTALLATION D'ASCENSEUR

Publication

EP 3551565 A1 20191016 (DE)

Application

EP 17828848 A 20171207

Priority

- EP 16202634 A 20161207
- EP 2017081795 W 20171207

Abstract (en)

[origin: WO2018104435A1] The invention relates to a rail foot holder (2), which is used to fasten a rail (3) of an elevator system (1) in an elevator shaft (8) and comprises a contact body (10), which can be arranged in the elevator shaft (8), and at least one holding device (31). A contact plane (17) for a rail foot (20) of the rail (3) is defined by the contact body (10). The holding device (31) has a holding head (33), wherein, in order to fasten the rail (3), a first side part (21) of the rail foot (20) can be arranged between the holding head (33) of the holding device (31) and the contact plane (17). Furthermore, in the process of fastening the rail (3), a holding dimension (H) between the holding head of the holding device (31) and the contact plane (17) can be changed in order to compensate tolerances of the first side part (21) of the rail foot (20). The holding head (33) of the holding device (31) can be rotated about an axis of rotation (35) of the holding device (31) in a direction of rotation (52) into a fastening position in order to reduce the holding dimension (H). Furthermore, a side (51) of the holding head (33) of the holding device (31) facing the contact plane (17) is designed with a slope (s) against the direction of rotation (52) in at least one fastening region (49) extending around the axis of rotation (35) of the holding device (31) in the direction of rotation (52), in which fastening region at least indirect contact (76) between the holding head of the holding device (31) and the first side part (21) of the rail foot (20) is enabled. The invention relates to a method for fastening a rail (3) of an elevator system (1) in an elevator shaft (8), which method is performed by means of at least one such rail foot holder (2).

IPC 8 full level

B66B 7/02 (2006.01)

CPC (source: EP US)

B66B 7/024 (2013.01 - EP US); **B66B 19/002** (2013.01 - US)

Citation (search report)

See references of WO 2018104435A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018104435 A1 20180614; CN 110023226 A 20190716; CN 110023226 B 20210205; EP 3551565 A1 20191016; EP 3551565 B1 20210203; US 10906779 B2 20210202; US 2020062547 A1 20200227

DOCDB simple family (application)

EP 2017081795 W 20171207; CN 201780074260 A 20171207; EP 17828848 A 20171207; US 201716466654 A 20171207