

Title (en)
HANDRAIL DEVICE ON CAR OF ELEVATOR

Title (de)
HANDLAUFVORRICHTUNG AN EINER AUFZUGKABINE

Title (fr)
DISPOSITIF DE RAMPE SUR UNE CABINE D'ASCENSEUR

Publication
EP 2138440 A4 20131030 (EN)

Application
EP 07742525 A 20070426

Priority
JP 2007059090 W 20070426

Abstract (en)
[origin: EP2138440A1] There is provided a car handrail device of an elevator that can improve the work efficiency significantly without the need for refastening a safety hook when an elevator worker performs work while getting on the car. For this purpose, a handrail frame is erected in the top portion of the car so as to surround four directions, and a railing formed into endless is installed on the top portion of the handrail frame. Also, a guide having safety hook connecting means is installed on the railing, and is configured so as to be movable along the endless railing. In the case where a worker performs work on the car, the worker connects his safety hook to the safety hook connecting means after moving on the car to ensure his security. And then, he performs the maintenance and the like of equipment in the shaft.

IPC 8 full level
B66B 5/00 (2006.01); **B66B 11/02** (2006.01)

CPC (source: EP KR)
B66B 5/0081 (2013.01 - EP); **B66B 11/00** (2013.01 - KR); **B66B 11/02** (2013.01 - KR)

Citation (search report)

- [Y] JP H0899782 A 19960416 - MITSUBISHI ELECTRIC BILL TECH
- [Y] JP H0673079 U 19941011
- [Y] JP 2002284469 A 20021003 - MITSUBISHI ELECTRIC CORP
- See references of WO 2008136118A1

Cited by
US2019256322A1; US11858779B2; US11192750B2; US11905141B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2138440 A1 20091230; **EP 2138440 A4 20131030**; CN 101652307 A 20100217; CN 101652307 B 20120201; JP 5067421 B2 20121107; JP WO2008136118 A1 20100729; KR 101154141 B1 20120613; KR 20100004997 A 20100113; WO 2008136118 A1 20081113

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EP 07742525 A 20070426; CN 200780052725 A 20070426; JP 2007059090 W 20070426; JP 2009512849 A 20070426; KR 20097018342 A 20070426