

Title (en)

HANDRAIL-DRIVE SYSTEM WITH DRIVE ELEMENTS INTEGRATED IN THE HANDRAIL

Title (de)

HANDLAUF-ANTRIEBSSYSTEM MIT IM HANDLAUF INTEGRIERTEN ANTRIEBSELEMENTEN

Title (fr)

SYSTÈME D'ENTRAÎNEMENT DE MAIN-COURANTE COMPRENANT DES ÉLÉMENTS D'ENTRAÎNEMENT INTÉGRÉS DANS LA MAIN-COURANTE

Publication

EP 3665115 A1 20200617 (DE)

Application

EP 18745608 A 20180725

Priority

- EP 17185725 A 20170810
- EP 2018070169 W 20180725

Abstract (en)

[origin: WO2019029992A1] The invention relates to a handrail-drive system (30) of an escalator (1), the handrail-drive system having a handrail drive (37) with drive elements (36) and having a belt-form handrail (35) which can be moved in a circulatory manner. The handrail (35) is delimited by an outer contour (61), which is configured in the form of a gripping surface, and by an inner contour (62), which leaves a cavity (60) free in the handrail (35). The driving force is transmitted from the drive elements (36) to the handrail (35) on two mutually opposite side surfaces (63, 64) of the inner contour (62), wherein a complementary configuration of the side surfaces (63, 64) makes it possible for all the other forces which are caused by the transmission of the driving force and act between the side surfaces (63, 64) to compensate for one another.

IPC 8 full level

B66B 23/04 (2006.01)

CPC (source: EP US)

B66B 23/04 (2013.01 - EP US); **B66B 23/024** (2013.01 - US)

Citation (search report)

See references of WO 2019029992A1

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 2019029992 A1 20190214; CN 110944924 A 20200331; CN 110944924 B 20210122; EP 3665115 A1 20200617; EP 3665115 B1 20210616; ES 2880416 T3 20211124; US 10875745 B2 20201229; US 2020207587 A1 20200702

DOCDB simple family (application)

EP 2018070169 W 20180725; CN 201880048745 A 20180725; EP 18745608 A 20180725; ES 18745608 T 20180725; US 201816634738 A 20180725