

Title (en)

HANDRAIL DISINFECTION DEVICE AND METHOD FOR DISINFECTING A HANDRAIL

Title (de)

HANDLAUFDESINFEKTIONSVORRICHTUNG UND VERFAHREN ZUM DESINFIZIEREN EINES HANDLAUFES

Title (fr)

DISPOSITIF DE DÉSINFECTION DE MAINS COURANTES ET PROCÉDÉ POUR DÉSINFECTER UNE MAIN COURANTE

Publication

EP 2560913 B1 20141231 (DE)

Application

EP 11715921 A 20110420

Priority

- DE 102010018227 A 20100423
- EP 2011056383 W 20110420

Abstract (en)

[origin: WO2011131744A1] The invention relates to a handrail disinfection device (1) having at least one housing (2) and at least three radiation sources (3) which emit electromagnetic radiation with a wavelength of from 220 nm to 280 nm, in particular from 240 nm to 250 nm. For a handrail (4), the housing (2) has an entry side (5) and an exit side (6) which lies opposite the entry side (5). The at least three radiation sources (3) in the housing (2) are arranged between the entry side (5) and the exit side (6) in such a way that they can irradiate the handrail (4) from at least two directions which are substantially orthogonal with respect to one another. During operation of an escalator, the handrail (4) can be freed permanently of germs by the handrail disinfection device (1) according to the invention, with the result that the propagation of diseases is reduced.

IPC 8 full level

B66B 31/02 (2006.01)

CPC (source: EP)

B66B 31/02 (2013.01)

Cited by

DE102020132512A1; WO2022122744A1

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)

DE 102010018227 A1 20111027; EP 2560913 A1 20130227; EP 2560913 B1 20141231; EP 2560913 B8 20160817; ES 2533585 T3 20150413; PL 2560913 T3 20150630; WO 2011131744 A1 20111027

DOCDB simple family (application)

DE 102010018227 A 20100423; EP 11715921 A 20110420; EP 2011056383 W 20110420; ES 11715921 T 20110420; PL 11715921 T 20110420