Title (en)

ESCALATOR OR MOVING WALKWAY

Title (de)

ROLLTREPPE ODER ROLLSTEIG

Title (fr)

ESCALIER ROULANT OU TROTTOIR ROULANT

Publication

EP 2250115 A1 20101117 (DE)

Application

EP 09710863 A 20090212

Priority

- EP 2009051658 W 20090212
- DE 102008009458 A 20080215

Abstract (en)

[origin: WO2009101148A1] The invention relates to an escalator or rolling walkway with two directions of motion, comprising a step or pallet belt that is redirected in two redirection areas facing away from one another, an apparatus for monitoring the presence of steps (4) or pallets (4') of the step or pallet belt, said apparatus comprising at least one first detector (7, 7') for a detection function in the first direction of motion, and at least one second detector (7', 7'') for the same detection function in the second direction of motion, wherein the first and second detector (7,7') are operatively connected to an electronic evaluation and control means (11) to idle the drive system of the escalator or moving walkway when missing steps (4) or pallets (4') are detected within the step (5) or pallet belt (5'), wherein the electronic evaluation and control means compares the signals of the first and second detectors (7, 7') with the identical detection function for the different directions of motion in order to produce a signal therefrom to idle the escalator/moving walkway. This invention enables redundant monitoring of a missing step function for both directions of motion with only two detectors. (Fig. 1)

IPC 8 full level

B66B 29/00 (2006.01)

CPC (source: EP US)

B66B 29/005 (2013.01 - EP US)

Citation (search report)

See references of WO 2009101148A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008009458 A1 20090820; CN 101952190 A 20110119; EP 2250115 A1 20101117; EP 2250115 B1 20121121; ES 2394901 T3 20130206; US 2011011700 A1 20110120; WO 2009101148 A1 20090820

DOCDB simple family (application)

DE 102008009458 A 20080215; CN 200980105347 A 20090212; EP 09710863 A 20090212; EP 2009051658 W 20090212; ES 09710863 T 20090212; US 85684610 A 20100816