

Title (en)

A SOLUTION FOR DETECTING A MAINTENANCE PERSON WITHIN AN AREA OF A PEOPLE FLOW EQUIPMENT

Title (de)

LÖSUNG ZUR ERFASSUNG EINER WARTUNGSPERSON IN EINEM BEREICH EINER PERSONENFÖRDERANLAGE

Title (fr)

SOLUTION POUR DÉTECTER UNE PERSONNE DE MAINTENANCE DANS UNE ZONE D'UN ÉQUIPEMENT DE FLUX DE PERSONNES

Publication

**EP 4107107 A4 20231115 (EN)**

Application

**EP 20919699 A 20200219**

Priority

FI 2020050103 W 20200219

Abstract (en)

[origin: WO2021165564A1] The invention relates to a method for detecting a maintenance person (106) within an area (204) of a people flow equipment (206). The method comprises: defining (402) a virtual boundary around the area of the people flow equipment; receiving (404) position information of a mobile device (104) carried by the maintenance person (106); detecting (406) an entry of the maintenance person into the virtual boundary based on the received position information; and generating (408) at least one control signal comprising information representing the detection of the entry of the maintenance person (106) into the area (204) of the people flow equipment (206) to a remote monitoring entity (102). The invention relates also to a system (100) for detecting a maintenance person (106) within an area of a people flow equipment (206) and a computer program (525) and a computer-readable medium.

IPC 8 full level

**B66B 25/00** (2006.01); **B66B 5/00** (2006.01); **G06F 11/07** (2006.01); **G06Q 10/20** (2023.01); **H04W 4/021** (2018.01); **H04W 88/02** (2009.01)

CPC (source: EP)

**B66B 5/005** (2013.01); **B66B 5/0087** (2013.01); **B66B 25/00** (2013.01); **G06Q 10/20** (2013.01); **H04W 4/021** (2013.01); **H04W 88/02** (2013.01)

Citation (search report)

- [X] WO 2006050626 A1 20060518 - INVENTIO AG [CH], et al
- [X] EP 3498648 A2 20190619 - OTIS ELEVATOR CO [US]
- [X] US 2019185293 A1 20190620 - YANG KE [CN], et al
- See also references of WO 2021165564A1

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)

**WO 2021165564 A1 20210826**; CN 114981198 A 20220830; EP 4107107 A1 20221228; EP 4107107 A4 20231115

DOCDB simple family (application)

**FI 2020050103 W 20200219**; CN 202080093742 A 20200219; EP 20919699 A 20200219