

Title (en)

DEVICE AND METHOD FOR DIFFERENTIATING BETWEEN AND COUNTING PERSONS AND OBJECTS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UNTERSCHIEDUNG UND ZÄHLUNG VON PERSONEN UND GEGENSTÄNDEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DIFFÉRENTIATION ET DE COMPTAGE DE PERSONNES ET D'OBJETS

Publication

EP 3877777 A1 20210915 (DE)

Application

EP 19812683 A 20191108

Priority

- DE 102018128012 A 20181108
- EP 2019080762 W 20191108

Abstract (en)

[origin: WO2020094876A1] The invention relates to a method for differentiating between, detecting, and counting persons and/or objects in facilities and/or vehicles for conveying persons and/or goods, having the steps of: emitting radiation from a radiation source, deflecting the radiation using an element for deflecting the radiation, generating a light pattern in a detection region, detecting the radiation scattered back from persons and/or objects located in the detection region in a radiation detector, and counting the persons and/or objects in a counting region, wherein the counting region is arranged in a region between 30 cm in front of and 30 cm behind an entrance into facilities and/or a vehicle for conveying persons and/or objects. The invention additionally relates to a corresponding device for carrying out the method.

IPC 8 full level

G01S 7/48 (2006.01); **B61D 19/02** (2006.01); **G01S 17/04** (2020.01); **G01S 17/58** (2006.01); **G01S 17/89** (2020.01)

CPC (source: EP US)

B61D 19/02 (2013.01 - EP); **G01S 7/4802** (2013.01 - EP US); **G01S 7/4808** (2013.01 - EP); **G01S 17/04** (2020.01 - EP US); **G01S 17/58** (2013.01 - EP); **G01S 17/89** (2013.01 - EP); **G06T 7/521** (2016.12 - US); **G06T 7/62** (2016.12 - US); **G06V 10/145** (2022.01 - US); **G06V 10/22** (2022.01 - US); **G06V 10/60** (2022.01 - US); **G06V 40/10** (2022.01 - US); **G06T 2207/10028** (2013.01 - US); **G06T 2207/10116** (2013.01 - US); **G06T 2207/30196** (2013.01 - US); **G06T 2207/30242** (2013.01 - US)

Citation (search report)

See references of WO 2020094876A1

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)

DE 102018128012 A1 20200514; CN 113039455 A 20210625; EP 3877777 A1 20210915; US 2021397875 A1 20211223; WO 2020094876 A1 20200514

DOCDB simple family (application)

DE 102018128012 A 20181108; CN 201980073674 A 20191108; EP 19812683 A 20191108; EP 2019080762 W 20191108; US 201917292299 A 20191108