

Title (en)

MONITORING DEVICE AND METHOD FOR MONITORING AN ENTRY OR EXIT AREA OF AN ACCESS OPENING OF A VEHICLE TO A BUILDING COMPONENT

Title (de)

ÜBERWACHUNGSVORRICHTUNG UND VERFAHREN ZUR ÜBERWACHUNG EINES EIN- ODER AUSSTIEGSBEREICHES VON EINER ZUTRITTSÖFFNUNG EINES FAHRZEUGS ZU EINEM BAUWERKSTEIL

Title (fr)

DISPOSITIF DE SURVEILLANCE ET PROCÉDÉ DE SURVEILLANCE D'UNE ZONE D'ENTRÉE OU DE SORTIE D'UNE OUVERTURE D'ACCÈS D'UN VÉHICULE À UNE PARTIE D'UN ÉDIFICE

Publication

**EP 2470407 B1 20140709 (DE)**

Application

**EP 10743144 A 20100817**

Priority

- DE 102009039162 A 20090827
- EP 2010061984 W 20100817

Abstract (en)

[origin: WO2011023602A1] The present invention relates to a monitoring device for monitoring an entry or exit area (4) of an access opening (5) of a vehicle to a building component (1, 2), comprising an optical camera system (3), having a first camera for providing a first image and a second camera for providing a second image, so that a stereo image can be generated from the first and the second image. The monitoring device further comprises an analysis unit, such that at least one object in the entry or exit area (4) can be detected from the stereo image and/or a position of the building component (1, 2) relative to at least one part of the vehicle can be determined from the stereo image for monitoring an entry or exit area (4).

IPC 8 full level

**B61B 1/02** (2006.01); **B61D 19/02** (2006.01); **B61D 23/02** (2006.01); **B61L 23/00** (2006.01); **H04N 7/18** (2006.01)

CPC (source: EP US)

**B61B 1/02** (2013.01 - EP US); **B61D 19/026** (2013.01 - EP US); **B61D 23/02** (2013.01 - EP US); **B61L 23/00** (2013.01 - EP US)

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 SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011023602 A1 20110303**; AU 2010288642 A1 20120322; BR 112012004267 A2 20160216; CA 2772153 A1 20110303; CN 102648117 A 20120822; DE 102009039162 A1 20110317; EP 2470407 A1 20120704; EP 2470407 B1 20140709; US 2012188346 A1 20120726

DOCDB simple family (application)

**EP 2010061984 W 20100817**; AU 2010288642 A 20100817; BR 112012004267 A 20100817; CA 2772153 A 20100817; CN 201080038404 A 20100817; DE 102009039162 A 20090827; EP 10743144 A 20100817; US 201013391763 A 20100817