Title (en)

APPROACH WARNING SYSTEM AND METHOD FOR DETECTING THE APPROACH OF MOVING OBJECTS

Title (de)

ANNÄHERUNGSWARNSYSTEM UND VERFAHREN ZUR ERKENNUNG DER ANNÄHERUNG BEWEGLICHER OBJEKTE

Title (fr)

SYSTÈME D'AVERTISSEMENT D'APPROCHE ET PROCÉDÉ DE RECONNAISSANCE DE L'APPROCHE D'OBJETS EN MOUVEMENT

Publication

EP 2577639 B1 20181114 (DE)

Application

EP 11721793 A 20110530

Priority

- DE 102010022282 A 20100531
- EP 2011058846 W 20110530

Abstract (en)

[origin: WO2011151291A1] The invention relates to an approach warning system (1), comprising a warning module (3) and at least one marking module (2), wherein the marking module (2) comprises a transmitter unit (4) for emitting electromagnetic signals and a motion detector (10) and is designed to emit presence signals as electromagnetic signals upon detection of a motion, and the warning module (3) comprises a receiver unit (12) for the electromagnetic signals sent by the marking module (2) and an output device (15) and is designed to output an approach warning via the output device (15), depending on the receipt of the presence signals sent by the marking module (2). The invention further relates to a method for detecting the approach of moving objects (27), in particular of persons, to a vehicle (24) comprising an approach warning system (1) mentioned above, wherein each moving object (27) comprises a marking module (2) and the vehicle (24) comprises a warning module (3).

IPC 8 full level

G08G 1/16 (2006.01)

CPC (source: EP US)

G08G 1/161 (2013.01 - EP US); **G08G 1/166** (2013.01 - US)

Citation (examination)

- US 2004263330 A1 20041230 - ALARCON RAMON [US]
- EP 1531444 A2 20050518 - AUDI AG [DE]

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 102010022282 A1 20111201; DK 2577639 T3 20190225; EP 2577639 A1 20130410; EP 2577639 B1 20181114; ES 2710553 T3 20190425; PL 2577639 T3 20190430; PT 2577639 T 20190206; US 2013176144 A1 20130711; US 9035759 B2 20150519; WO 2011151291 A1 20111208

DOCDB simple family (application)

DE 102010022282 A 20100531; DK 11721793 T 20110530; EP 11721793 A 20110530; EP 2011058846 W 20110530; ES 11721793 T 20110530; PL 11721793 T 20110530; PT 11721793 T 20110530; US 201113701021 A 20110530