

Title (en)

Method and apparatus for detecting a condition of danger deriving from the presence of vulnerable road users and for warning the driver of a vehicle of said condition of danger

Title (de)

Verfahren und Vorrichtung zur Erkennung einer Gefahrensituation infolge gefährdeter Verkehrsteilnehmer und zur Warnung eines Fahrzeuglenkers vor dieser Gefahrensituation

Title (fr)

Procédé et appareil de détection d'une condition de danger issue de la présence d'usagers de la route vulnérables et d'avertissement du conducteur d'un véhicule de cette condition de danger

Publication

EP 1791101 B1 20080220 (EN)

Application

EP 05425841 A 20051129

Priority

EP 05425841 A 20051129

Abstract (en)

[origin: EP1791101A1] Described herein is a method for warning the driver of a vehicle (2) of a condition of danger associated to the presence of at least one vulnerable road user (3). The method comprises the steps of: transmitting, via a user-identification device (4) carried by the vulnerable road user (3) a user-identification signal; receiving (110) the user-identification signal via a warning device (5) installed on board the vehicle (2); processing (130) the user-identification signal to determine a set of information regarding the displacement of the vulnerable road user (3); comparing (140, 150, 160) the information regarding the displacement of the vulnerable road user (3) with a set of information regarding the displacement of the vehicle (3) in order to predict, on the basis of the result of the comparison, the absence or the presence of a condition of impact between the vehicle (2) and the vulnerable road user (3); and in the case where the presence of a condition of impact is predicted, sending a warning (170) of a state of danger to the driver of the vehicle (2) through of the warning devices (11) installed on board the vehicle (2) itself.

IPC 8 full level

G08G 1/16 (2006.01)

CPC (source: EP)

G08G 1/163 (2013.01)

Cited by

DE102017206704A1; GB2560117A; FR2928482A1; EP3840521A4; DE102012211958A1; US9779449B2; US10169822B2; US10223744B2; US8510200B2; US10255824B2; US9779379B2; US11432131B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1791101 A1 20070530; EP 1791101 B1 20080220; AT E386998 T1 20080315; DE 602005004931 D1 20080403; DE 602005004931 T2 20090226

DOCDB simple family (application)

EP 05425841 A 20051129; AT 05425841 T 20051129; DE 602005004931 T 20051129