

Title (en)

CROSS TRAFFIC DETECTION SYSTEM FOR A VEHICLE

Title (de)

QUERVERKEHRSERKENNUNGSSYSTEM FÜR EIN FAHRZEUG

Title (fr)

SYSTÈME DE DÉTECTION DE LA CIRCULATION TRANSVERSALE POUR UN VÉHICULE

Publication

**EP 3276588 A1 20180131 (EN)**

Application

**EP 16181582 A 20160728**

Priority

EP 16181582 A 20160728

Abstract (en)

A Cross traffic detection system (10) for a vehicle (100) is provided, which comprises a camera arrangement (12) with at least one camera (14), a data storage device (16) and a controller (18). The system (10) is configured for capturing an image sequence with consecutive images of an environment of the vehicle (100) and for storing the images of the image sequence in the data storage device (16). The controller (18) is configured for determining in at least two of the images an image section, in which a light cone (110) emitted by an illumination device (108) of a road user (106) is captured, wherein the controller (18) is configured to determine whether the vehicle (100) and the road user (106) approach each other by comparing the determined image sections.

IPC 8 full level

**G08G 1/16** (2006.01)

CPC (source: EP)

**G08G 1/163** (2013.01); **G08G 1/166** (2013.01)

Citation (search report)

- [X] US 2014009617 A1 20140109 - UTAGAWA AKIRA [JP], et al
- [X] EP 2023307 A2 20090211 - DELPHI TECH INC [US]
- [X] US 2007221822 A1 20070927 - STEIN GIDEON P [IL], et al
- [X] EP 2523174 A1 20121114 - DELPHI TECH INC [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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

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