Title (en)

Method for warning the driver of a motor vehicle depending on a determined time to collision, camera system and motor vehicle

Title (de)

Verfahren zum Warnen des Fahrers eines Kraftfahrzeugs abhängig von einer ermittelten Zeit bis zur Kollision, Kamerasystem und Kraftfahrzeug

Title (fr)

Procédé pour avertir le conducteur d'un véhicule automobile en fonction d'une durée déterminée menant à la collision, système de caméra et véhicule à moteur

Publication

EP 2835794 B1 20160525 (EN)

Application

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Priority

DE 102013013253 A 20130809

Abstract (en)

[origin: EP2835794A1] The invention relates to a method for warning the driver of a motor vehicle of an imminent collision with a target object located in an environmental region of the motor vehicle and approaching the motor vehicle, wherein a temporal sequence of images of the environmental region is provided by means of a camera of the motor vehicle, wherein a measured value (14; TTC1 to TTCx) for a degree of risk (TTC) with respect to the collision is respectively determined from at least a subset of the images based on the respective image by means of an image processing device, and wherein the warning of the driver is effected depending on the measured values (14; TTC1 to TTCx), wherein based on the respectively current measured value (TTC1) as well as based on a plurality of previous measured values (TTC1 to TTCx), a fitting function (15) is determined, which satisfied a predetermined optimization criterion with respect to the measured values (TTC1 to TTCx), and wherein the current degree of risk (TTC) is determined based on the fitting function (15) for warning the driver.

IPC 8 full level

G08G 1/16 (2006.01)

CPC (source: EP)

G08G 1/166 (2013.01)

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