Title (en)

METHOD AND SYSTEM FOR EVALUATING BRIGHTNESS VALUES IN SENSOR IMAGES OF IMAGE-EVALUATING ADAPTIVE CRUISE CONTROL SYSTEMS, ESPECIALLY WITH RESPECT TO DAY/NIGHT DISTINCTION

Title (de)

VERFAHREN UND ANORDNUNG ZUR AUSWERTUNG VON HELLIGKEITSWERTEN IN SENSORBILDERN BEI BILDAUSWERTENDEN UMFELDERKENNUNGSSYSTEMEN, INSBESONDERE HINSICHTLICH EINER TAG-/NACHTUNTERSCHEIDUNG

Title (fr)

PROCÉDÉ ET SYSTÈME POUR ÉVALUER DES VALEURS DE LUMINOSITÉ SUR DES IMAGES DÉTECTÉES, POUR SYSTÈMES DE RECONNAISSANCE D'ENVIRONNEMENT À INTERPRÉTATION D'IMAGES, NOTAMMENT EN TERMES DE DISTINCTION JOUR/NUIT

Publication

EP 2181415 A2 20100505 (DE)

Application

EP 08785731 A 20080828

Priority

- EP 2008007033 W 20080828
- US 96671907 P 20070828

Abstract (en)

[origin: WO2009030419A2] The invention relates to a method and a system for evaluating brightness values in sensor images of an image-evaluating adaptive cruise control system on a support. According to the invention, at least the amplification and/or the exposure time of the at least one image sensor detecting the surroundings is monitored to distinguish the light conditions in the area of the image-evaluating adaptive cruise control system with respect to day or night. A course of amplification and/or exposure time over time with relatively high amplification or relatively long exposure times characterizes night light conditions and a course of amplification and/or exposure time with relatively low amplification and/or relatively low exposure times characterizes day light conditions. The adaptive cruise control system according to the invention also allows monitoring of the detected surroundings for bright objects, the headlights of a second support being used as an additional piece of information.

IPC 8 full level

G06V 10/141 (2022.01); **G08G 1/16** (2006.01)

CPC (source: EP US)

G06V 10/141 (2022.01 - EP US); **G06V 20/56** (2022.01 - US); **G06V 20/584** (2022.01 - EP US); **G06V 20/588** (2022.01 - US)

Citation (search report)

See references of WO 2009030419A2

Citation (examination)

- "Handbuch Fahrerassistenzsysteme, 3e Aufl.", 1 January 2015, SPRINGER VIEWEG, article HERMANN WINNER ET AL: "Handbuch Fahrerassistenzsysteme, 3e Aufl.", pages: 351,355,357, XP055351724
- BUNDESMINISTERIUM DER JUSTIZ ED - BUNDESMINISTERIUM DER JUSTIZ: "Handbuch der Rechtsförmlichkeit,Teil B: Allgemeine Empfehlungen für das Formulieren von Rechtsvorschriften; 1: Sprachliche Gestaltung von Gesetzen und Rechtsverordnungen", 1 January 2008 (2008-01-01), XP002686041, Retrieved from the Internet <URL:http://hdr.bmj.de/page_b.1.html> [retrieved on 20121025]
- "Sensoren im Kraftfahrzeug", 1 January 2016, SPRINGER VIEWEG, article KONRAD REIF: "Sensoren im Kraftfahrzeug", pages: 164 - 165, XP055352909

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CN108881849A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009030419 A2 20090312; **WO 2009030419 A3 20090917**; EP 2181415 A2 20100505; US 2011211071 A1 20110901; US 2013251208 A1 20130926; US 8823799 B2 20140902

DOCDB simple family (application)

EP 2008007033 W 20080828; EP 08785731 A 20080828; US 201313897535 A 20130520; US 67491808 A 20080828