

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-/NACHTUNTERSCHIEDUNG

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

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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

Cited by

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DOCDB simple family (application)

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