

Title (en)

Traffic event detection system for vehicles

Title (de)

Verkehrereignisdetektionssystem für Fahrzeuge

Title (fr)

Système de détection d'événements de trafic pour véhicules

Publication

EP 2983152 A1 20160210 (EN)

Application

EP 14179680 A 20140804

Priority

EP 14179680 A 20140804

Abstract (en)

Platforms and techniques are described in which a traffic event detection system includes a sensor (101) such as a camera connected to a central processor unit (CPU) (103), and a video display with sound speaker also connected to the CPU. The camera is mounted outside the vehicle (51) on an extendable and/or rotatable support (52), and captures images of traffic in front of the vehicle at a height generally above that of vehicles that may be ahead of the vehicle mounted with the detection system. The CPU can feed all of the images to the video display inside the vehicle visible to the driver. The CPU also analyses those images for sudden change in traffic pattern based on spectral content of the image stream, and can warn the driver with an audible sound if the cars in front of him or her break suddenly, or other traffic events occur.

IPC 8 full level

G08G 1/0962 (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP)

G08G 1/09623 (2013.01); **G08G 1/166** (2013.01)

Citation (search report)

- [XY] WO 0143104 A1 20010614 - SITRICK DAVID [US]
- [I] JP 2006168683 A 20060629 - NISSAN MOTOR
- [YA] DE 102011088130 A1 20130613 - BOSCH GMBH ROBERT [DE]
- [A] DE 3726065 A1 19880121 - FREDRICH FRIEDHELM [DE]
- [A] US 6975347 B1 20051213 - STRUMOLO GARY STEVEN [US], et al
- [A] JP 2003028654 A 20030129 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2010145617 A1 20100610 - OKADA YOSHIHISA [JP], et al
- [A] JP 2003091799 A 20030328 - CLARION CO LTD
- [A] FR 2986647 A3 20130809 - RENAULT SAS [FR]

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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