

Title (en)

Method and device for detecting and classifying moving vehicles

Title (de)

Verfahren und Vorrichtung zum Erfassen und Klassifizieren von fahrenden Fahrzeugen

Title (fr)

Procédé et dispositif destinés à détecter et classier des véhicules en marche

Publication

EP 2503529 A1 20120926 (DE)

Application

EP 12151272 A 20120116

Priority

DE 102011014855 A 20110324

Abstract (en)

The method involves classifying a vehicle (12) from multiple measurements of two different physical quantities, where each measurement is performed by a separate sensor device (16,22). One of the sensor devices is comprised of an induction loop (20) of an induction loop detector, where the sensor device is also provided with a magnetic field sensor. The field strength distribution of the magnetic field of the Earth is determined. An independent claim is provided for a sensor system with a sensor device for classifying a measurement area.

Abstract (de)

Die vorliegende Erfindung betrifft ein Verfahren und eine Vorrichtung zum Klassifizieren eines durch einen Messbereich (18) mindestens einer Sensoreinrichtung (16; 22, 27) fahrenden Fahrzeugs (12). Das Klassifizieren des Fahrzeugs (12) wird aus verschiedenen Messungen von mindestens zwei unterschiedlichen, voneinander unabhängigen physikalischen Größen abgeleitet.

IPC 8 full level

G08G 1/015 (2006.01); **G08G 1/042** (2006.01); **G08G 1/14** (2006.01)

CPC (source: EP)

G08G 1/015 (2013.01); **G08G 1/042** (2013.01); **G08G 1/142** (2013.01); **G08G 1/143** (2013.01)

Citation (applicant)

DE 102009031319 A1 20110105 - SIEMENS AG [DE]

Citation (search report)

- [XYI] EP 0357893 A2 19900314 - MESSERSCHMITT BOELKOW BLOHM [DE]
- [XY] KR 20090115457 A 20091105 - KOREA INST CONSTRUCTION TECH [KR]
- [XYI] GB 2159995 A 19851211 - GEC AVIONICS
- [A] EP 1361555 A2 20031112 - SIEMENS AG [DE]
- [A] EP 1193662 A1 20020403 - TCZ TRAFFIC COMM GMBH [DE]

Cited by

EP3091372A1; EP3104197A1; EP3329423A4; US11756420B2; US11538320B2; JP2022546632A; WO2021078638A1

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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