



DATA ANALYTICS

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EP2899692	METHOD, SYSTEM, IMAGING DEVICE, MOVABLE DEVICE AND PROGRAM PRODUCT FOR DETECTING STATIC ELEMENTS IN VIDEO AND IMAGE SOURCES
EP2894532	SENSOR CLEANING SYSTEM FOR AN AUTONOMOUS ROBOT DEVICE, BASE STATION AND CORRESPONDING METHOD
EP2845779	DRIVING ASSISTANCE TECHNIQUE FOR ACTIVE VEHICLE CONTROL
EP2562060	A METHOD AND SYSTEM FOR PREDICTING MOVEMENT BEHAVIOR OF A TARGET TRAFFIC OBJECT



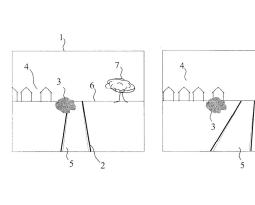
Method, system, imaging device, movable device and program product for detecting static elements in video and image sources EP2899692 B1

Current assignees		IPC - International	classification	
HONDA RESEARCH INSTITUTE	E EUROPE*	B60S-001/08	G01N-021/94	G01N-021/958
Inventors		G06K-009/00	G06K-009/52	G06T-001/00
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		B60S-001/08/18 G01N-021/958	B60S-001/56 G01N-2021/945	G06K-009/00/791*

<u>Family</u>			
EP2899692	B1	JP2015156212	Α
JP6018231	B2	US20150213318	A1
US9454703	B2	EP2899692	A1

(EP2899692)

The invention relates to a method for determining a static element in images captured by an imaging means mounted on a movable device. The method comprises steps of acquiring a first image and a second image captured by the imaging means,. The first image and the second image are captured at capture times separated by a time difference and the method is characterized by the time difference being selected depending on motion parameters of the movable device. A determination measure for corresponding regions of the first and the second image for representing a similarity of the corresponding regions is calculated and a static element of the first and the second image is determined based on the calculated determination measure. An output signal comprising information on the determined static element is generated.







Sensor cleaning system for an autonomous robot device, base station and corresponding method

EP2894532 B1

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IPC - International classification

A01D-034/00 B08B-001/00 B08B-003/02

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CPC - Cooperative classification

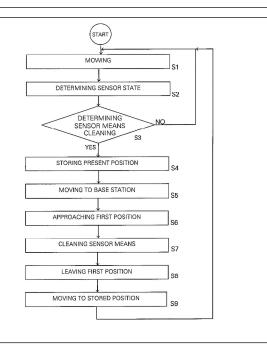
A01D-034/00/8 B08B-001/00/2 B08B-001/00/6 B08B-003/02 G05D-001/02/25* G05D-2201/0215 Y10S-901/01 Y10S-901/30 Y10S-901/46

Family

EP2894532 US20150198952 В1 Α1 US9557739 B2 EP2894532 Α1

(EP2894532)

The inventive system comprises an autonomous robot device, a base station and a method operating the same. The autonomous robot device includes a sensor means, e.g. an optical sensor, and a propulsion means. The base station includes a cleaning means specifically adapted for cleaning the sensor means of the autonomous robot device. In a preferred embodiment the propulsion means of the autonomous robot device is configured to move the autonomous robot device in a manner suitable to generate a relative movement of the autonomous robot device with respect to the passive cleaning means arranged at the stationary base station to effect the cleaning of the sensor means of the autonomous robot device.





Driving assistance technique for active vehicle control EP2845779 B1

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B60W-050/00 B62D-006/00 G08G-001/16

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 B60W-040/04
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 B60W-2710/207
 B60W-2720/10

B60W-2720/106 B62D-006/00*

PCL - US patent classification

PCLO: 701041000*

PCLX: 701001000 701093000

Family

 JP6822752
 B2
 JP2015051761
 A

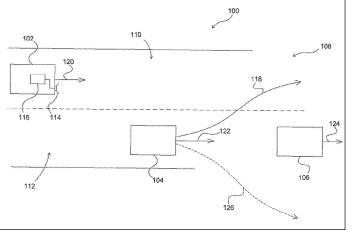
 US10625776
 B2
 US20150073662
 A1

 EP2845779
 B1
 EP2845779
 A1

Granting Date:

(EP2845779)

The invention relates to a driving assistant (116) adapted for active control of a vehicle (102) based on predictions of a behavior of a detected object (104). A method aspect of the invention comprises accepting a first prediction of a behavior associated with the detected object (104) from a first prediction subsystem and a second prediction from a second prediction subsystem; determining a control signal based on a combination of the first prediction and the second prediction; and initiating active control of the vehicle (102) based on the control signal.





A method and system for predicting movement behavior of a target traffic object EP2562060 B1

Current assignees		IPC - Internationa	l classification	
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2011-08-22	2014-10-01	B60W-030/095/6*	B60W-030/16	B60W-050/00/97
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		G06K-009/00/805	G06K-009/62/93	Y02T-010/84
		PCL - US patent o	classification 023000*	
			096000 7013010	00

Family			
US8903588	B2	JP2013045447	Α
EP2562060	B1	US20130054106	A1
JP5580852	B2	EP2562060	A1

(EP2562060)

predicting future movement behaviors of at least one target least one possible behavior of the traffic participant, wherein object, such as e.g. vehicle, comprising the steps of: - the at least one movement behavior is a sub-set of the Producing sensor data by at least one sensor physically possible movement behavior alternatives, and - estimating sensing the environment of a host vehicle, - computing a at least one future position of the traffic participant based on plurality of movement behavior alternatives of a target the at least one trajectory, - outputting a signal representing object sensed by the sensor(s), by predicting movement the estimate future position. behaviors of the traffic target vehicle applying a context based prediction step using indirect indicators and/or indicator combinations derived from said sensor data, wherein said context based prediction step uses a set of classifiers, each classifier estimating a probability that said sensed target object will execute a movement behavior at a time, wherein the probability is calculated based on a feature vector calculated for each classifier, - validating the movement behavior alternatives by a physical prediction comparing measured points with trajectories of situation

The invention proposes a method for computationally models and determining at least one trajectory indicating at

