

Patents

counting vehicle occupants checkpoint



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### Method for activating restraining means

WO EP US CN DE · CN100343092Q · H 舒勒 · 罗伯特·博希股份公司

Priority 2002-11-11 · Filed 2003-06-02 · Granted 2007-10-17 · Published 2007-10-17

Similar The invention relates to a method for activating restraining means (8), whereby at least one signal indicating a collision is generated. Once a collision has been identified, temporally defined crash phases are stipulated and a crash type and crash severity are determined for each crash phase ...

### Arrangement and method for occupant restraint and protection

EP · EP2594439A1 · Martin Ask · Volvo Car Corporation

Priority 2011-11-16 · Filed 2011-11-16 · Published 2013-05-22

Similar Embodiments herein relate to an occupant restraint and protection arrangement (1) for an automotive vehicle (2) as well as a method for improving the performance of such an occupant restraint and protection arrangement (1) for an automotive vehicle (2). The automotive vehicle (2) has at least one ...



### Method for operating a pre-crash sensing system with protruding contact sensor

US CN DE GB · CN1958348A · 马塞哈普拉萨蒂·K·拉奥 · 福特全球技术公司

Priority 2005-10-31 · Filed 2006-10-12 · Published 2007-05-09

Similar A method of operating a restraint system includes classifying a collision into a collision classification, generating a protruding contact sensor output and deploying the restraint system in response to the contact sensor output and the output classification. The method may also use a pre-crash ...

### Collision determination system, occupant restraint system, and vehicle

WO EP US CN JP · CN102245441A · 糸贺康雄 · 本田株式会社

Priority 2008-12-09 · Filed 2009-10-26 · Published 2011-11-16

Similar The present invention provides a technique effective to appropriately restrain a vehicle occupant in a side collision of the vehicle. An occupant restraint system (100) mounted on a vehicle is provided with a camera (110), a side collision sensor (120), an acceleration sensor (130), an ECU (140), ...

### Method and control unit for controlling an occupant protection means of a ...

WO EP US CN DE · US20140350797A1 · Gian Antonio D'Addetta · Robert Bosch GmbH

Priority 2011-12-05 · Filed 2012-12-03 · Published 2014-11-27

Similar A method is described for controlling an occupant protection arrangement which has at least two levels of protection for an occupant of a vehicle. The method has a step of selecting one of the at least two levels of protection of the occupant protection means as the level of protection to be used ...



### Vehicle data recorder and telematic device

US · US20060212195A1 · Gregory Veith · Veith Gregory W

Priority 2005-03-15 · Filed 2005-10-27 · Published 2006-09-21

This invention is a vehicle data recorder with the capability to continuously record and store selected data on both driver and vehicle performance that will include but not be limited to, miles driven, speed, acceleration/deceleration, brake activation, seatbelt usage, vehicle direction, steering ...



Priority 2000-06-05 • Filed 2000-06-05 • Granted 2008-05-28 • Published 2008-05-28

Similar PROBLEM TO BE SOLVED: To realize the number-of-axes detector which is capable of counting the number-of-axes precisely within the range of an entering angle, which actually occurs and is inexpensive, though the number of the axes can be counted excessively because right and left tires pass ...



## Outer collision protection system for vehicle e.g. automobile, has airbags ...

ES • [ES22265256A1](#) • Adolfo Arias Feria • Adolfo Arias Feria

Priority 2004-12-31 • Filed 2004-12-31 • Published 2007-02-01

Similar The system includes a set of airbags formed with different forms, resistances and materials, and lodged and anchored in housings provided in the front, lateral and rear structures of a vehicle. The airbags are interconnected to an inflator for expanding the airbags, and to an electronic drive and ...

## Method and device for triggering at least one passenger protection means of a ...

US CN DE • [CN104942916A](#) • G·朗 · 罗伯特·博世有限公司

Priority 2014-02-13 • Filed 2015-02-13 • Published 2015-08-19

Similar A method for triggering a passenger protection unit of a vehicle includes: reading in a first and a second sensor signal value of a first sensor, which is situated at a first location in the vehicle; reading in a third and a fourth sensor signal value of a second sensor, which is situated at a ...

## System for preventing non-wearing of the seat belt for an automobile

KR • [KR101696258B1](#) • 김승희 · (주)보부하이테크

Priority 2015-09-16 • Filed 2015-09-16 • Granted 2017-01-13 • Published 2017-01-13

The present invention can induce the wearing of the seat belt by setting the vehicle not to run when the seat belt is not worn on all the seats, and when the seat belt is intentionally released after the start of the running of the vehicle, The present invention relates to a safety belt wearing ...



## Automated highway system

US • [US9786163B2](#) • Edward D. Ioli • Edward D. Ioli Trust

Priority 2015-11-06 • Filed 2016-04-05 • Granted 2017-10-10 • Published 2017-10-10

A system and method for controlling vehicles and for providing assistance to operated vehicles is discussed and described herein.



## Automated highway system (AHS)

US • [US10297146B2](#) • Edward D. Ioli • Edward D. Ioli Trust

Priority 2015-11-06 • Filed 2018-07-16 • Granted 2019-05-21 • Published 2019-05-21

A system and method for controlling vehicles and for providing assistance to operated vehicles is discussed and described herein.



## Automated highway system (ahs)

US • [US20190272742A1](#) • Edward D. Ioli • Edward D. Ioli Trust

Priority 2015-11-06 • Filed 2019-05-20 • Published 2019-09-05

A system and method for controlling vehicles and for providing assistance to operated vehicles is discussed and described herein.



## Centralized facility and intelligent on-board vehicle platform for collecting, ...

WO EP US CN • [US7421334B2](#) • Darwin Dahlgren • Zoom Information Systems



An on-board intelligent vehicle system includes a sensor assembly to collect data and a processor to process the data to determine the occurrence of at least one event. The data may be collected from existing standard equipment such as the vehicle communication bus or add-on sensors. The data may ...

### Automatic overspeed protection apparatus

KR · [KR20100076286A](#) · 신재용 · 신재용

Priority 2008-12-26 · Filed 2008-12-26 · Published 2010-07-06

PURPOSE: An automatic overspeed prevention device is provided to cut off the entering of a vehicle and prevent impact from being delivered to a vehicle. CONSTITUTION: An automatic overspeed prevention device comprises a concrete block(100) and a circulation main body(200). The upper side is opened ...



### Operational efficiency in a vehicle-to-vehicle communications system

WO US · [US20130293394A1](#) · Kim T. Rubin · Zetta Research and Development, LLC--ForC Series

Priority 2012-04-24 · Filed 2013-07-08 · Published 2013-11-07

A vehicle communication system providing, in one embodiment, wirelessly transmitting and receiving messages regarding the status of parking spaces, such as empty or occupied. Only vehicles belonging to a predetermined set are able to decrypt such messages, in one embodiment. Message formats to ...



### Risk management in a vehicle-to-vehicle safety system

US · [US10631269B2](#) · Kim Rubin · Zetta Research and Development LLC--ForC Series

Priority 2012-04-24 · Filed 2019-03-12 · Granted 2020-04-21 · Published 2020-04-21

A method is described for managing risk messages in a distributed, vehicle-to-vehicle (V2V) safety system that limits broadcast storms during an omnidirectional rebroadcast of risk messages in a range larger than a radio range. A group of self-organized transponders, such as may be in vehicles, ...



### Information collecting and decision making via tiered information network ...

WO US · [US8274377B2](#) · Richard A. Smith · Decision Sciences International Corporation

Priority 2007-01-10 · Filed 2008-01-10 · Granted 2012-09-25 · Published 2012-09-25

Techniques, apparatus and systems for information collecting and decision making based on one or more tiered networks of sensors and communication nodes for security monitoring and warning, disaster warning, counter-terrorism, and other applications associated with information collecting and ...



### Rate-Estimation Sensor And Method For Cell Phones, Smart Watches, Occupancy ...

WO US · [US20150148635A1](#) · David Alan Benaron · David Alan Benaron

Priority 2013-11-26 · Filed 2014-11-26 · Published 2015-05-28

An improved sensor ( 102 ) for rate monitoring in mobile devices, wearables, security, illumination, photography, and other devices and systems uses an optional phosphor-coated broadband white LED ( 103 ) to produce broadband light ( 114 ), which is then transmitted along with any ambient light to ...



### Geographical location aggregation from multiple sources

US · [US8999002B2](#) · Peter Barrett · Cloudcar, Inc.

Priority 2012-11-27 · Filed 2012-11-27 · Granted 2014-11-25 · Published 2014-11-25

Systems and methods for obtaining geographical location data from multiple sources and aggregating the geographical location data are disclosed. A particular embodiment includes: receiving geo-location data from a plurality of geo-location data collectors, at least one of the plurality of geo- ...



### System and method for management of airspace for unmanned aircraft

US · [US2020148635A1](#) · David Alan Benaron · David Alan Benaron

Priority 2013-11-26 · Filed 2014-11-26 · Published 2015-05-28

An improved sensor ( 102 ) for rate monitoring in mobile devices, wearables, security, illumination, photography, and other devices and systems uses an optional phosphor-coated broadband white LED ( 103 ) to produce broadband light ( 114 ), which is then transmitted along with any ambient light to ...



A system and method for management of airspace for unmanned aircraft is disclosed. The system and method comprises administration of the airspace including designation of flyways and zones with reference to features in the region. The system and method comprises administration of aircraft ...

## Incident tracking systems and methods



US · [US20160358297A1](#) · Moshe Alon · Case Global, Inc.

Priority 2008-01-24 · Filed 2016-08-22 · Published 2016-12-08

Various embodiments of the present invention are related to incident tracking systems and methods. A method allows for receiving input that specifies an incident at a facility, defining a search area adjacent to a position of the incident, and displaying one or more other incidents that occurred ...

## Density detection using real time discrete photon counting for fast moving ...

US · [US7408160B2](#) · Victor V. Verbinski · Science Applications International Corporation

Priority 1995-10-23 · Filed 2004-04-28 · Granted 2008-08-05 · Published 2008-08-05

A system for detecting and graphically displaying a contents of a fast-moving target object comprises: a radiation source, having a position such that at least a portion of radiation emitted from the radiation source passes through the fast-moving target object, the fast-moving target object ...

## Migration of task to different pool of resources based on task retry count ...



WO EP US CN JP KR · [US9170849B2](#) · Bradley Gene Calder · Microsoft Technology Licensing, Llc

Priority 2012-01-09 · Filed 2012-01-09 · Granted 2015-10-27 · Published 2015-10-27

Systems and methods are presented for providing resources by way of a platform as a service in a distributed computing environment to perform a job. Resources of the system, job performing on the system, and schedulers of the jobs performing on the system are decoupled in a manner that allows a ...

## Paas hierarchial scheduling and auto-scaling



WO EP US CN JP KR · [KR101976234B1](#) · 브래들리 진 칼더 · 마이크로소프트 테크놀로지 라이선싱, 엘엘씨

Priority 2012-01-09 · Filed 2012-12-28 · Granted 2019-05-07 · Published 2019-05-07

In various embodiments, systems and methods are provided for providing resources through a platform as a service in a distributed computing environment to perform operations. The system may include a number of components, such as a task machine, a task location service machine, and a high level ...

## Recovery strategy for a stream processing system



US · [US10606711B2](#) · Elden Gregory Bishop · Salesforce.Com, inc.

Priority 2015-09-18 · Filed 2018-04-16 · Granted 2020-03-31 · Published 2020-03-31

The technology disclosed relates to discovering multiple previously unknown and undetected technical problems in fault tolerance and data recovery mechanisms of modern stream processing systems. In addition, it relates to providing technical solutions to these previously unknown and undetected ...

## System for collecting, analyzing, and transmitting information relevant to ...



US · [US9451019B2](#) · Frederick S. M. Herz · Apple Inc.

Priority 1994-11-29 · Filed 2014-06-19 · Granted 2016-09-20 · Published 2016-09-20

When individual persons or vehicles move through a transportation network, they are likely to be both actively and passively creating information that reflects their location and current behavior. In this patent, we propose a system that makes complete use of this information. First, through a ...

## Agonistic icos binding proteins

WO EP US CN JP KR AU BR CA CL CR DO EA IL MX PE PH SG TW UY ZA · [JP2019167355A](#) · セオードン · ヒウ、グラクソス

Priority 2015-01-28 • Filed 2019-05-16 • Published 2019-10-03

To provide novel ICOS agonist antibodies as immunomodulators in cancer, infectious disease and/or sepsis. SOLUTION: The present invention provides an ICOS antibody or antigen binding portion thereof that is an agonist antibody to human ICOS including a specific sequence, which is capable of, when ...

### Treatment of renal cancer using a combination of anti-PD-1 antibodies and other ...

WO EP US CN JP KR • [JP2017507155A](#) • マリア・ジュニア・クンケル・ブリストル・マイヤーズ・スクイブ・カンパニー Bristol-Myers Squibb Company

Priority 2014-03-05 • Filed 2015-03-04 • Published 2017-03-16

A method of treating a subject suffering from renal cancer, wherein the subject has a therapeutically effective amount: (a) an anti-cancer agent that is an antibody or antigen-binding portion thereof that specifically binds to a programmed cell death (PD-1) receptor and inhibits PD-1 activity; and

### Density detection using discrete photon counting



US • [US6552346B2](#) • Victor V. Verbinski • Science Applications international Corporation

Priority 1995-10-23 • Filed 2001-04-12 • Granted 2003-04-22 • Published 2003-04-22

A system and method of density detection in a target object involve irradiating the target object, detecting a first and second discrete number of photons penetrating the target object through respective first and second prescribed volumes and entering respective first and second radiation ...

### Method for estimating purchase behavior of customer in store or between stores, ...

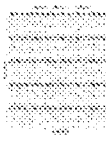


US JP • [JP5967553B2](#) • 達 相原・インターナショナル・ビジネス・マシーンス・コーポレーション International Business Machines Corporation

Priority 2014-06-16 • Filed 2014-06-16 • Granted 2016-08-10 • Published 2016-08-10

A method for estimating customer purchase behavior within a store or between stores, wherein the computer system is: (A) a step of acquiring product information of a product purchased or about to be purchased by the target customer in the store or between the stores, layout information of the ...

### System and method for efficient cache utility curve construction and cache ...



US • [US9418020B2](#) • Carl A. Waldspurger • Cloud Physics, inc.

Priority 2013-03-13 • Filed 2016-01-22 • Granted 2016-08-16 • Published 2016-08-16

Interaction is evaluated between a computer system cache and at least one entity that submits a stream of references corresponding to location identifiers of data storage locations. The reference stream is spatially sampled by comparing a hash value of each reference with a threshold value and ...

### System and method for detection of concealed cargo in a vehicle by center of ...

EP US CA IL • CA2739584C • Nathan M. Miniz • Raytheon Company

Priority 2010-07-09 • Filed 2011-05-04 • Granted 2020-01-21 • Published 2020-01-21

A system and computer-implemented method for detecting concealed cargo and/or concealed passengers in a vehicle includes obtaining weight distribution data for the vehicle; obtaining vehicle loading data; measuring a center of mass of the vehicle to obtain an actual center of mass position of the ...

### Apparatus and method for locating, tracking, controlling and recognizing tagged ...



US • [US9311586B2](#) • Jamie Robinette • Jamie Robinette

Priority 2011-03-22 • Filed 2014-05-05 • Granted 2016-04-12 • Published 2016-04-12

A real-time automated data security system protects both data and devices from loss, theft, and unauthorized access or activity. A miniature active RFID circuit is embodied in tags, area tags, controllers, USB sticks and a universal interface software for computers (i.e., Java), smart phones, and ...

### Compositions, combinations and related methods for photoimmunotherapy

WO EP US CN JP AU CA • [US2019025940A1](#) • Merrill Dill • Acuvier Therapeutics, Inc.

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