Tech Report

Abstracts Of Recent Published South African Patents

October 2014

Von Seidels
Intellectual Property
Attorneys

Title: A FINGERPRINT READER AND A METHOD OF OPERATING IT
Patent No: 2010/08972
Applicant: Cardlab APS

Abstract: A fingerprint reader comprising a fingerprint sensor adapted to output information relating to a fingerprint of a finger engaging a sensitive surface the sensor, and a stiff element comprising an indentation/cavity or through-hole, the sensor being positioned in the indentation/cavity/through-hole so that the sensitive surface is exposed to the surroundings. The stiff element will prevent breaking of the reader. Also, the stiff element may have one or more electrically conducting surface parts positioned adjacently to the sensitive surface of the sensor and being adapted to be contacted by a finger also contacting the sensor, so that the stiff element forms part of the reader.
**Image:**
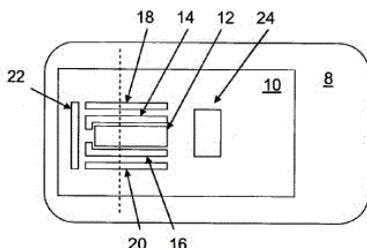
Title: USER INTERFACE INTERACTION BEHAVIOR BASED ON INSERTION POINT
Patent No: 2013/04472
Applicant: MICROSOFT CORPORATION

Abstract: Automatic manipulation of document user interface behavior is provided based on an insertion point. Upon placement of an insertion point within a displayed document, the behavior of the user interface is adjusted based on a next action of the user. If the user begins a drag action near the insertion point, he/she is enabled to interact with the content of the document (e.g. select a portion of text or object(s)). If the user begins a drag action at a location away from the insertion point, on the other hand, he/she is enabled to interact with the page (e.g. panning). Thus, the interaction behavior is automatically adjusted without additional action by the user or limitations on user action.

Image:
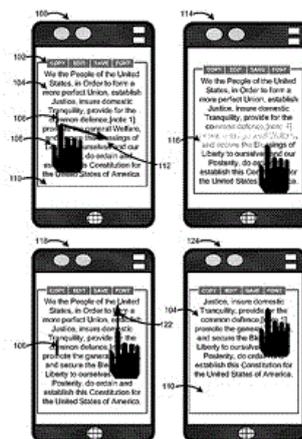
Title: SELECTION OF COMMUNICATION MEANS IN MOBILE MESSAGING SYSTEM
Patent No: 2013/06621
Applicant: VISA INTERNATIONAL SERVICES ASSOCIATION

Abstract: A cryptographic expansion device which enables secure messaging is disclosed. The cryptographic expansion device includes a hardware security module (HSM) disposed therein that has a secure processing unit and a public processing unit, and a messaging routing application stored thereon. By way of the messaging routing application, a message is received through a messaging interface presented by a messaging application on the mobile device, the message is encrypted and an optimal communication means for transmitting the message from the mobile device is associated with the message. The message is transmitted through the associated communication means to a secure gateway for delivery to a target device or system.
**Image:**
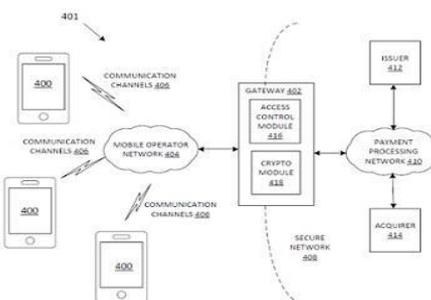
Title: AN AUTOMATED SYSTEM FOR RENTING A VEHICLE
Patent No: 2013/08873
Applicant: LAUREN BARBARA OLINSKY

Abstract: An automated system for renting a vehicle, including the registration of a user on a system (1), the system capturing biometric data of the user, identifying the user by utilizing the captured biometric data, permitting selection of the vehicle by the user (2), acceptance of all terms and conditions (3) and payment of the outstanding funds (4), thereafter granting the user access to the rented vehicle (5)
Image:
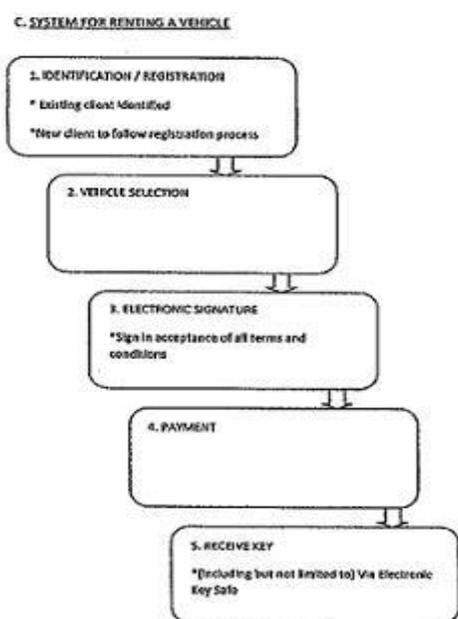
**Title:** ACCESS CONTROL TO DATA STORED IN A CLOUD
Patent No: 2013/09228
Applicant: Siemens Aktiengesellschaft

Abstract: It is proposed that known digital rights management (EDRM: Enterprise Digital Rights Management) be extended such that control over the access to data stored in a cloud remains with the user or originator of the data. This requires the access information to be coordinated between a rights application in the cloud and a rights server in the region of the user (that is to say outside the cloud). A rights policy can be used for fine-grained regulation of the access for users (user groups), computers (client, server) and validity periods. In this context, the access comprises a wide variety of actions which can be performed with the data. In particular, it is advantageous that a server application is provided with (temporally limited) access to a portion of the data in order to index said data, for example, without the server being able to access the complete contents of the data in the process. By way of example, the approach for works for document management and for databases that have been relocated in the cloud. The invention can be used for any type of distributed data processing in which the data are intended to be protected against unauthorized access operations.
Image:
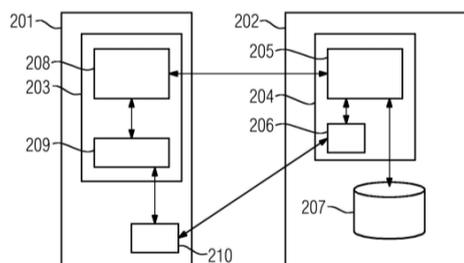
**Title:** METHOD AND SYSTEM FOR STEERING AN UNMANNED AERIAL VEHICLE
Patent No: 2013/09303
Applicant: SAAB AB

Abstract: The present invention relates to a method for steering a UAV, Unmanned Aerial Vehicle, to enable a high level command of the UAV. The method comprising the steps of: determining (500) a reference position (200, 300, 400) related to a position (210, 310, 410) for a moving object (220, 320, 420) which the UAV should follow; calculating (515) a smoothed position (230, 330, 430) based on the reference position (200, 300, 400), wherein the smoothed position (230, 330, 430) is calculated so that the smoothed position (230, 330, 430) moves more smoothly than the reference position (200, 300, 400); and steering (525) the UAV so that UAV follows the smoothed position (230, 330, 430).

Image:
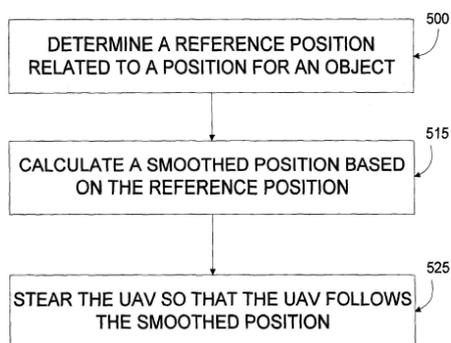
Title: METHOD AND DEVICE FOR DETECTING A ROTATING WHEEL
Patent No: 2013/09739
Applicant: Kapsch TrafficCom AG

Abstract: The invention relates to a method for detecting a rotating wheel (4) of a vehicle (1), which is driving on a roadway (2) in a driving direction (3) and the wheels (4) of which are exposed laterally at least partially, comprising the following steps: emitting an electromagnetic measurement beam (9) having a known time curve of the frequency thereof to a first region above the roadway (2) in a direction obliquely relative to the vertical (V) and normally or obliquely relative to the driving direction (3); receiving a reflected measurement beam (9) and recording the time curve of the frequencies thereof relative to the known curve as a received frequency mixed curve (20); and detecting a continually ascending or descending band (22) of frequencies over a time period in the received frequency mixed curve (20) as the wheel (4). The invention furthermore relates to a device (7) for carrying out the method.

Image:
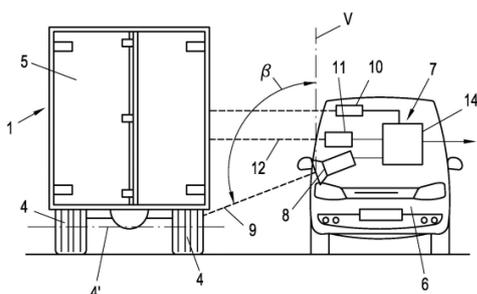
Title: ENCODING DEVICE, ENCODING METHOD, DECODING DEVICE, AND DECODING METHOD
Patent No: 2014/00565
Applicant: Sony Corporation

Abstract: The present technique relates to an encoding device, an encoding method, a decoding device, and a decoding method whereby the encoding efficiency of a parallax image can be improved using information relating to the parallax image. A correction part uses information relating to a parallax image of a reference viewpoint to correct an estimated image of the parallax image of the reference viewpoint. A calculation part uses the corrected estimated image to encode the parallax image of the reference viewpoint. The encoded parallax image of the reference viewpoint and the information relating to the parallax image of the reference viewpoint are transmitted. The present technique can be applied to a parallax image encoding device, for example.

Image:
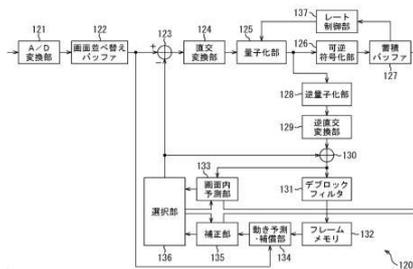
|	
121	A/D converter
122	Screen sorting buffer
124	Orthogonal converter
125	Quantizer
126	Reverse encoding part
127	Accumulation buffer
128	Reverse quantizer
129	Reverse orthogonal converter
131	Deblocking filter
132	Frame memory
133	In-screen estimation part
134	Movement estimation/compensation part
135	Correction part
136	Selection part
137	Rate controller

Title: DEVICE AND PROCEDURE FOR THE DIAGNOSIS OR DIAGNOSTIC PREPARATION AND/OR THERAPY MONITORING OF INFLAMMATORY DISEASES SUCH AS RHEUMATOID ARTHRITIS
Patent No: 2010/00847
Applicant: Mivenion GmbH

Abstract: A first aspect of the invention relates to a device for a diagnosis and/or therapy monitoring of inflammatory

diseases, such as rheumatoid arthritis. It comprises at least a rest or support device (1) for holding at least one extremity (11) of a person. Thereby, the support device has the task of facilitating the at least one extremity, preferably two extremities, for instance the two hands to be comfortably and immovably placed as long as possible. This support device can be provided with a rest with several accessories, such as indentations, bowl-like recesses, ridges, elastic or non-elastic straps and/or loops, etc.. Furthermore, at least an excitation source (2) for at least partially illuminating one extremity at least with a radiation of defined excitation wavelength. Furthermore, at least an image sensor (3) is incorporated for capturing at least a reference signal from the extremity as well as several signals from the regions of medical interest (ROI) of the extremity (11). Moreover, a device according to the invention comprises a comparator for comparing the reference signal with the signals from the regions of medical interest (ROI).

Image:
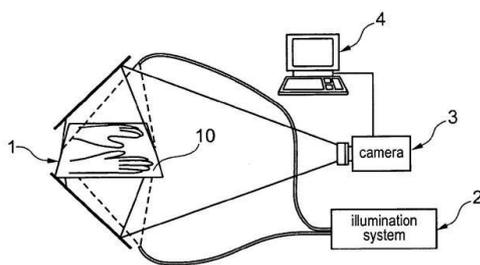
Fig. 6

3 caméra
2 système d'éclairage

**Title:** SLIM TYPE TOUCH PANEL AND MOBILE TERMINAL INCLUDING THE SAME
Patent No: 2013/03329
Applicant: SAMSUNG ELECTRONICS CO., LTD.

Abstract: A slim type touch panel is provided. The slim type touch panel includes an upper substrate, a first sensor electrode layer disposed at a lower part of the upper substrate, an insulating film disposed at a lower part of the first sensor electrode layer, and a second sensor electrode layer disposed at a lower part of the insulating film, or includes a first sensor electrode cover sheet in which a sensor electrode layer is patterned, a first adhesive layer disposed at a lower part of the first sensor electrode cover sheet, and a film layer disposed at a lower part of the first adhesive layer and comprising a second sensor electrode layer.
**Image:**
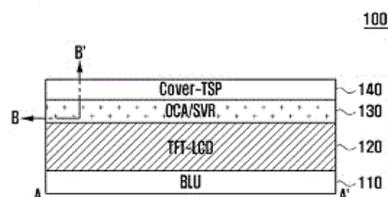
Title: METHOD AND SYSTEM FOR SECRETLY REVEALING ITEMS ON A MULTI-TOUCH INTERFACE
Patent No: 2013/03366
Applicant: NOVOMATIC AG

Abstract: An apparatus and method including a multi-touch interface for card gaming includes providing a multi-touch interface for displaying a card having a hidden value. The method includes detecting a touch on the interface. The touch has a curved pattern with multiple points of contact with the interface. The curved pattern is indicative of the lateral edge of a human hand in contact with the interface, oriented to hide the card from others. The method then detects movement of the multiple points of contact sweeping over a portion of the interface to reveal the value of the card to the user.
Image:

Von Seidels
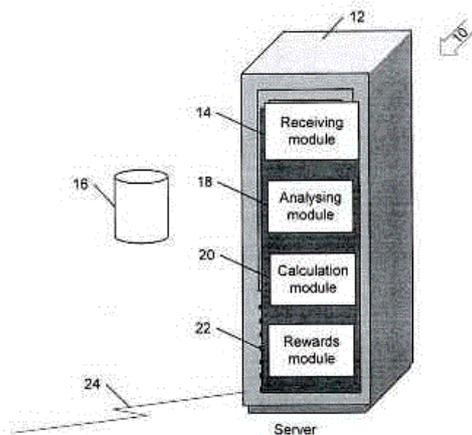Intellectual Property
Attorneys
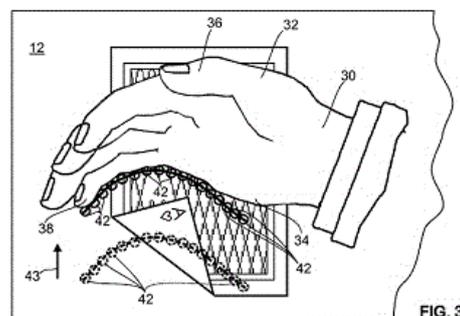
Title: A METHOD OF MANAGING A DRIVER REWARDS PROGRAMME AND A SYSTEM THEREFOR
Patent No: 2013/08285
Applicant: DISCOVERY LIMITED

Abstract: A driver rewards programme includes receiving data including information relating to the compliance of a driver in a few programme area related to motor vehicle driver behaviours. These programme areas may include vehicle maintenance, driver education, vehicle insurance claims and driving performance. Points are then allocated to the driver based on the compliance of the driver in the programme areas and the points are then used to determine a financing model for the driver to purchase a motor vehicle. The better the driver compliance in the programme areas is, the better the financing model for the driver will be. In one example, the better the driver compliance the larger the trade in value the driver will obtain for their existing vehicle.

Image:

Physical Address
(for all courier deliveries and visits only):
1 Park Close, Central Park, Park Lane
Century City (Cape Town)
7441, South Africa

Postal Address:
PO Box 440
Century City (Cape Town)
7446, South Africa

Tel: + 27 21 526 2800
Fax: + 27 86 660 6208
Email: service@vonseidels.com
Web: www.vonseidels.com

Von Seidels
Intellectual Property
Attorneys

Commentary: The Von Seidels technical team is made up of patent attorneys, foreign counsel, candidate patent attorneys and technical experts. The team has extensive technical expertise across the following fields: Electrical and Electronic Engineering, Computer Science, Natural Science, Civil Engineering, Mechatronic Engineering, Industrial Engineering and Chemical Engineering.

The Von Seidels Tech Team:

Mike von Seidel	Ralph van Niekerk	Érik van der Vyver
Anna Tomlinson	Gunther Roland	Dirk van Dyk
Stephen Middleton	Hugo Biermann	Jak Erasmus

Disclaimer: This report is a snapshot of selected patents that may be of interest to a broad readership. It is not a summary, opinion or analysis. Please contact us should you require specific advice on any particular patent or group of patents. Our firm accepts no liability for the consequences of any actions taken on the basis of this report.