



Tech Report

Abstracts Of Recent Published South African Patents
August 2014

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Intellectual Property
Attorneys



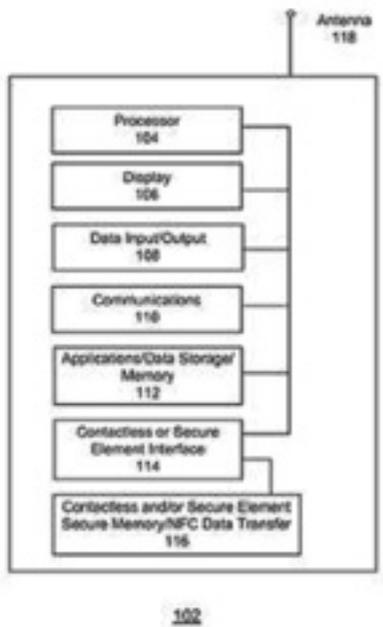
Title: MOBILE PAYMENT APPLICATION ARCHITECTURE

Patent No: 2012/02463

Applicant: VISA INTERNATIONAL SERVICE ASSOCIATION

Abstract: A system, apparatus, and method for conducting payment transactions using a mobile device. Embodiments of the invention are directed to an architecture or system design for the functional elements residing in a mobile device that may be used to conduct a payment transaction. The inventive architecture may be implemented as a set of functional modules resident in a secure element that is embedded or otherwise incorporated into the mobile device.

Image:



Title: SECURITY ARTICLES AND DEVICES CONTAINING CODED HOLOGRAPHIC PLATELETS AND METHODS OF MANUFACTURING THE SAME

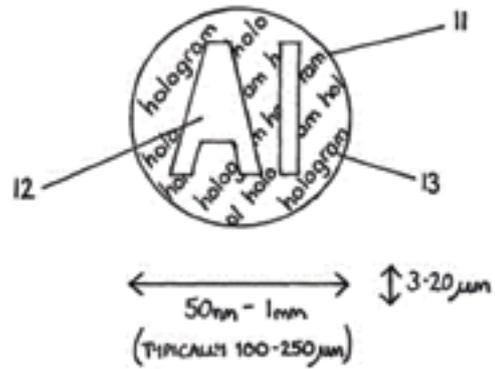
Patent No: 2009/01520

Applicant: METALLIC SECURITY S.R.O.

Abstract: The present invention provides for a security article for anti-counterfeit (21, 31), authentication and/or tracking purposes, comprising a substrate material (25, 32) including at least one, but preferably several encoded metal holographic platelets, wherein each

platelet (22, 33) carries a surface relief diffractive structure and can be authenticated by inspection of both a holographic device by illumination and visual, eyeglass and magnifier inspection and which can also be authenticated by inspection under magnification of an aperture in the metal platelet carrying an authenticating code.

Image:



Title: A SYSTEM AND METHOD OF DATA SHARING

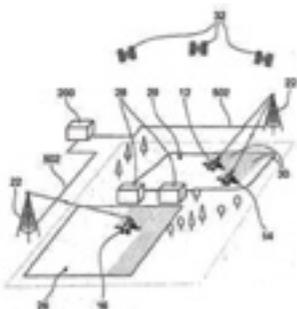
Patent No: 2011/09247

Applicant: LEICA GEOSYSTEMS AG

Abstract: Agricultural vehicles are guided to prevent overlap of areas operated on by the vehicles. Guidance data is shared between agricultural vehicles by coverage data of area covered by a first agricultural vehicle being wirelessly transmitted to a central server. Download guidance data is generated at the central server using the coverage data received at the central server. The download guidance data is wirelessly transmitted from the server to a second guidance device of a second agricultural vehicle. The second agricultural vehicle uses the download guidance data to not overlap with area covered by the first agricultural vehicle while operating.



Image:



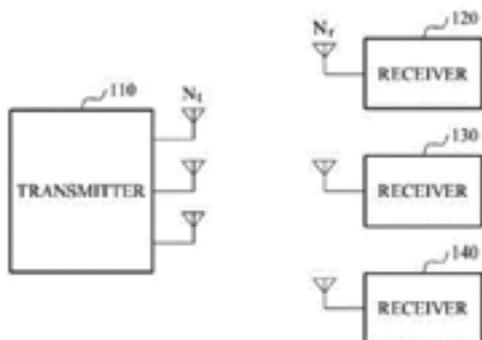
Title: MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATION SYSTEM USING CODEBOOK CORRESPONDING TO EACH REPORTING MODE

Patent No: 2012/09092

Applicant: Samsung Electronics Co., Ltd.

Abstract: A multiple input multiple output (MIMO) communication system using a first codebook and a second codebook is provided. The first codebook and the second codebook may independently exist, or may exist in a form of an overall codebook in which the first codebook and the second codebook are integrated with each other. A receiver may extract a first precoding matrix indicator from the first codebook, and may extract a second precoding matrix indicator from the second codebook. The receiver may also extract the first precoding matrix indicator and the second precoding matrix indicator from the overall codebook. The first precoding matrix indicator and the second precoding matrix indicator may be fed back to a transmitter. The transmitter may determine a precoding matrix based on the first precoding matrix indicator and the second precoding matrix indicator.

Image:



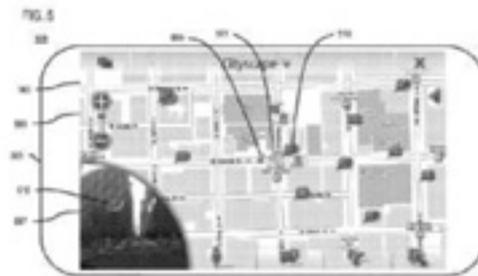
Title: METHOD AND APPARATUS FOR RENDERING USER INTERFACE FOR LOCATION BASED SERVICE HAVING MAIN VIEW PORTION AND PREVIEW PORTION

Patent No: 2012/9419

Applicant: NOKIA CORPORATION

Abstract: A method including causing, at least in part, rendering of a user interface for a location-based service that simultaneously includes both a main view portion (505) and a preview portion (507). One of the main view portion (505) and the preview portion (507) is caused, at least in part, to display a perspective view of one or more objects in a field of view, and the other of the main view portion (505) and the preview portion (507) is caused, at least in part, to display a plan view of at least a portion of the one or more objects in the field of view.

Image:



Title: BOUY SYSTEMS AND METHODS MINIMIZING BEACH EROSION AND OTHER APPLICATIONS FOR A ATTENUATING WATER SURFACE ACTIVITY

Patent No: 2013/00003

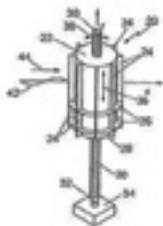
Applicant: MURTECH INC

Abstract: A buoy for use in reducing the amplitude of waves in water and a system making use of plural buoys to create a floating breakwater. Each buoy is arranged to be constrained, e.g., connected to an anchor, and comprising a body e.g., a cylindrical member having at least one outwardly projecting fin, that is configured to be resonant and impedance matched. The buoy and anchoring approach allows for self-tuning to the changes in the wave spectrum due to the tidal or storm surge induced changes in the water depth. The



body of the floating buoy is not limited to circular cylinder, and could be square, hexagonal, triangular, etc but must have at least one exterior mounted fin.

Image:



Title: DATA TRANSMISSION SECURITY IMPROVEMENTS

Patent No: 013/00051

Applicant: OMARCO NETWORK SOLUTIONS LIMITED

Abstract: Securely transmitting communication information from a first terminal operating in a first coordinate measurement domain to a second remotely-located terminal operating in a second coordinate measurement domain includes: combining the communication information with extraneous information to create a data signal; determining a value of an identification variable expressed with respect to the first coordinate measurement domain, the identification variable value enabling the location of the communication information concealed within the data signal to be determined; transmitting the data signal and the identification variable value from the first terminal to the second terminal; using a coordinate transform function configured to map coordinate values from the first coordinate measurement domain to the second coordinate measurement domain to calculate a value of the received identification variable expressed with respect to the second coordinate measurement domain; and extracting the information from the received data signal using the calculated identification variable value.

Image: Not provided.

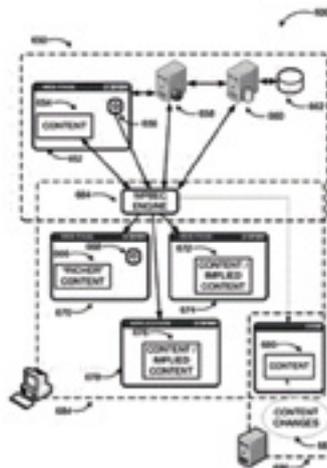
Title: WEB PAGE BEHAVIOR ENHANCEMENT CONTROLS

Patent No: 2013/01750

Applicant: MICROSOFT CORPORATION

Abstract: A web page behavior enhancement (WPBE) control element is provided on a rendered web page enabling a user to perform actions on at least a portion of the web page content such as customizing, editing, sharing, analyzing, exporting, and/or annotating the content. The processed content may be presented on the original web page, on a locally stored version of the web page, or archived for subsequent use, where any changes to the original web page content may be tracked and the user notified about the changes. The WPBE control element(s) may be embedded into the web page at the source web application or at the local browser based on factors like web application capabilities, browser capabilities, user preferences, usage pattern, and comparable ones.

Image:



Title: WAVE ENERGY CONVERSION

Patent No: 2013/01793

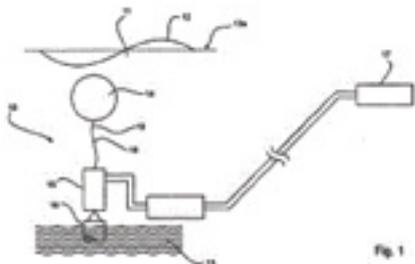
Applicant: CETO IP PTY LTD

Abstract: Apparatus (10) for harnessing ocean wave energy in a body of water (11) in which the apparatus incorporates provision for relieving excessive loadings on components of the wave energy conversion system for the purpose of avoiding damage thereof in adverse wave conditions. The apparatus (10) includes a buoyant actuator (14) and a pump (15) anchored within the body of water, typically on the seabed (13). The apparatus (10) is operable in a closed-loop mode wherein fluid at high pressure is pumped ashore by the pump (15), energy is extracted as useful work at an on-shore plant (17), and the resultant reduced pressure fluid is returned to the offshore pump (15) to be



reenergised. The buoyant actuator (14) is operably connected to the pump (15) by tether (19) and is buoyantly suspended within the body of water (11) above the pump (15). The buoyant actuator (14) is provided with a connection means (61) adapted to provide a yielding resilient connection between the hollow body (21) and the tether (19). The connection means (61) comprises a damping means (63) configured to maintain a substantially rigid connection between the hollow body (21) and the tether (19) until such time as loading there between exceeds a prescribed load whereupon the damping means (63) facilitates limited relative movement there between to relieve the loading. Additionally, or alternatively, the apparatus (10) incorporates provision for controlling operation of the pump (15) for dissipation of energy for damping purposes in response to an excessive loading condition.

Image:



Title: DISPLAY MODULE AND DISPLAY SYSTEM

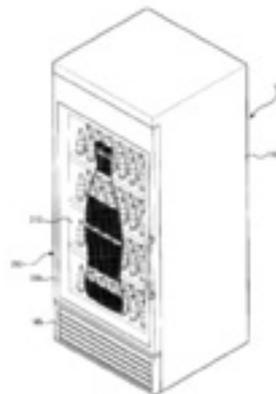
Patent No: 2013/03016

Applicant: Samsung Electronics Co., Ltd.

Abstract: Disclosed is a display module including a transparent display panel and a frame to fix a side of the transparent display panel, wherein the frame has a communication unit to receive data from the outside, a controller to process the received data and to output a drive command corresponding to the processed data and a display drive unit to drive the transparent display panel in response to the drive command from the controller. A display system includes a system body

and a display module detachably mounted in the system body.

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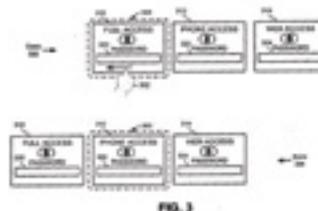
Title: MULTIPLE-ACCESS-LEVEL LOCK SCREEN

Patent No: 2013/02207

Applicant: MICROSOFT CORPORATION

Abstract: A multiple-access-level lock screen system allows different levels of functionality to be accessed on a computing device. For example, when a device is in a locked state, a user can select (e.g., by making one or more gestures on a touchscreen) a full access lock screen pane and provide input that causes device to be fully unlocked, or a user can select a partial-access lock screen pane and provide input that causes only certain resources (e.g., particular applications, attached devices, documents, etc.) to be accessible. Lock screen panes also can be selected (e.g., automatically) in response to events. For example, when a device is in locked state, a messaging access lock screen pane can be selected automatically in response to an incoming message, and a user can provide input at messaging access lock screen pane that causes only a messaging application to be accessible.

Image:





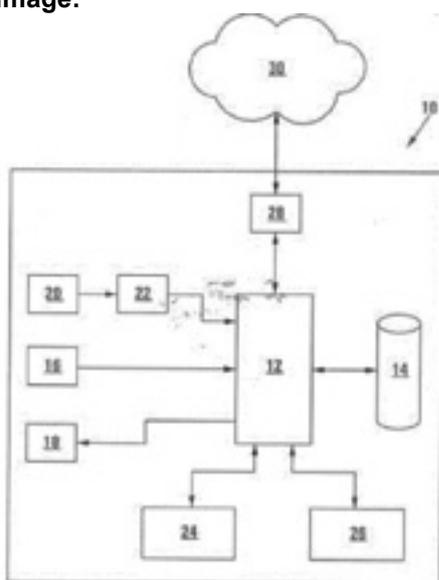
Title: FINANCIAL TRANSACTIONS WITH A VARYING PIN

Patent No: 2013/06611

Applicant: ALSET IP S AR.L.

Abstract: A financial facilitating device for facilitating a financial transaction at an ATM, point of sale station, via the Internet or to login to a financial account generates a PIN in response to a correct biometric identifier being supplied. The device has a data storage unit, an input device operable by a transactor for inputting a request for a PIN, a biometric identifier input device for inputting a biometric identifier of the transactor, a verifying unit for verifying a biometric identifier provided, in use, by the transactor, a PIN generator for generating a PIN if the inputted biometric identifier is verified, and an output device for supplying the PIN to the transactor. The biometric identifier may be a sound signal, a visual signal, or a fingerprint. Correspondingly, a financial transaction processing facility of an issuer of credit or debit cards has a receiving unit for receiving transaction request from a transactor to whom a credit or debit card has been issued, together with a PIN, a verifying unit for verifying the PIN, and a transaction approving unit for approving the transaction if the received PIN is verified. The received PIN may be verified using a check PIN generator for generating a check PIN and a comparator for comparing the check PIN and the received PIN.

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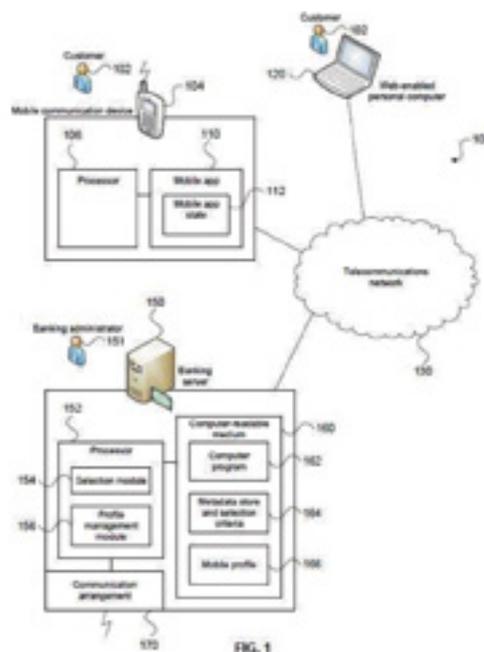
Title: A METHOD AND SYSTEM FOR FACILITATING MOBILE BANKING TRANSACTIONS AND PROVIDING MOBILE BANKING FUNCTIONALITY

Patent No: 2013/06717

Applicant: NEDBANK LIMITED

Abstract: THIS INVENTION provides a method (200) of configuring a mobile banking application (110) on a remote mobile communication device (104) of a customer (102) by a banking server (150). The method (200) includes receiving (202) by the banking server (150) a selection communication which includes an indication of at least one customer-selected graphical user element for display by the mobile banking application (110) and selecting (204) at least one bank-selected graphical user element for display by the mobile banking application (110). The method (200) also includes creating or updating (206) a mobile profile of the customer (102) based on a combination of the customer-selected and bank-selected graphical user elements and sending (208) an update communication to the mobile communication device (104) of the customer (102), the update communication including an indication of the created or updated mobile profile enabling the mobile application (110) to display both the customer selected and bank-selected graphical user elements.

Image:





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.

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Jak Erasmus

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