



Tech Report

Abstracts Of Recent Published South African Patents
June 2014

Von Seidels
Intellectual Property
Attorneys



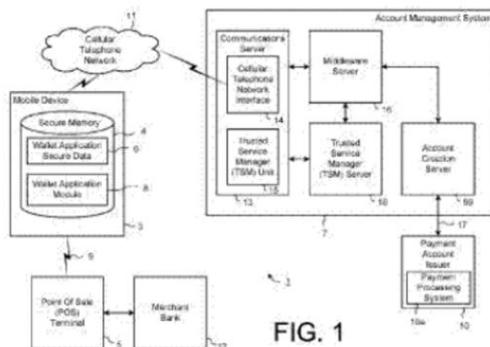
Title: MOBILE PAYMENT SYSTEM

Patent No: 2013/03012

Applicant: Barclays Bank PLC

Abstract: A mobile payment system and methods are described for providing, validating, authorizing, activating and using a mobile payment account on a portable electronic device to enable efficient and secured contactless payment at an electronic point of sale.

Image:



Title: SYSTEM FOR PLAYING ON THE STOCK MARKET (EMBODIMENTS)

Patent No: 2013/05392

Applicant: KLIGMAN, Ilya Vladimirovich, MIGALEV, Cergey Vladimirovich

Abstract: The invention relates to systems of assistance in carrying out financial transactions. The system for playing on the stock market comprises a computerized means that is capable of accessing information about trading activity and delivering said information to user terminals designed to accept bets on an increase or decrease in the value of a quote and in the value of one minimum price change with respect to the quote in question. Terminals are used to provide the possibility of carrying out gaming sessions on the markets in real time, said terminals being in the form of mobile communication devices which support the protocols of this communication or wireless data transfer technology. The computerized means is in the form of a server capable of placing bets and calculating profits and losses within the limits of the funds available on a user's account. A unit for monitoring the state of a user's personal account is designed to be capable of monitoring the state of a personal account opened with the institution organizing the games on the

stock market as well as replenishing said account using payment systems and devices for receiving funds, and transferring funds to a user's personal account or dispensing cash.

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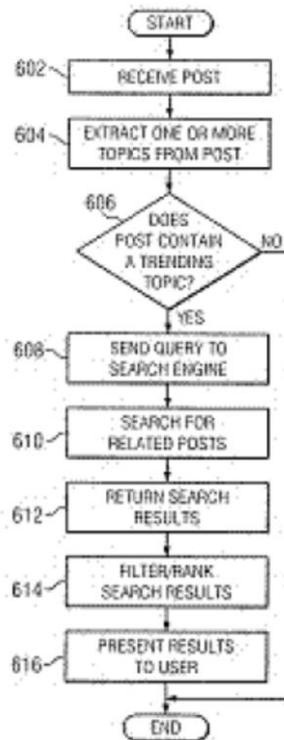
Title: FACILITATING INTERACTION AMONG USERS OF A SOCIAL NETWORK

Patent No: 2012/08674

Applicant: FACEBOOK INC.

Abstract: In one embodiment, a method includes receiving a first user action relating to a first topic from a first user, identifying the first topic based on the first user action, identifying one or more second posts that relate to the first topic, and transmitting to the first user one or more of the second posts or information associated with the second posts in a structured document for display to the first user, the structured document further comprising one or more interactive elements that enable the first user to interact with the one or more second posts or to respective second users that declared the second posts.

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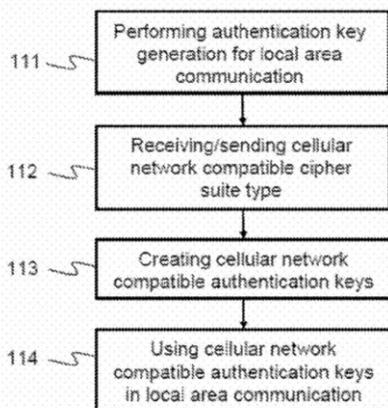




Title: AUTHENTICATION KEY GENERATION ARRANGEMENT
Patent No: 2012/8049
Applicant: NOKIA CORPORATION

Abstract: Authentication key generation for local area network communication, including: participating in communication of a message comprising a cipher suite selection type indicating cellular network compatible cipher suite; and creating cellular network compatible authentication keys according to said cipher suite selection type.

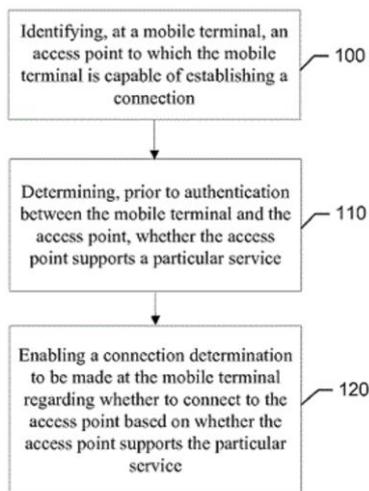
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Title: METHOD AND APPARATUS FOR DETERMINING ACCESS POINT SERVICE CAPABILITIES
Patent No: 2012/8660
Applicant: NOKIA CORPORATION

Abstract: A method for determining access point service capabilities may include identifying, at a mobile terminal, an access point to which the mobile terminal is capable of establishing a connection, determining, prior to authentication between the mobile terminal and the access point, whether the access point supports a particular service or connection, and enabling a connection determination to be made at the mobile terminal regarding whether to connect to the access point based on whether the access point supports the particular service or connection. A corresponding computer program product and apparatuses are also provided.

Image:



Title: TRANSACTION FACILITATION SYSTEM
Patent No: 2013/06258
Applicant: TRUSTCO MOBILE MAURITIUS

Abstract: The invention provides a computer system for facilitating the initiation and/or conclusion of a financial product contract, said system characterized by a telecommunications network, a telecommunications terminal operable on the network, and a server having a point-to-presence on the telecommunications network, said server including; a CPU, data storage means, and inputs and outputs, wherein software is provided on the server which is operable on the server to initiate said contract in response to data received by the server from the terminal over the network from a user, wherein when the user concludes a transaction with a vendor, a message is sent to the user's terminal, in which message an offer is made to the user to provide insurance to the user without further charge conditionally on the user responding to the offer by transmitting a message to the server either accepting or rejecting the offer, which responding message is processed by the server in accordance with predetermined rules set in the software, and wherein a collaboration server pre-processes the data received from the consumer to determine whether the transaction can be concluded and the insurance underwritten in accordance with the predetermined rules of the underwriter,



said collaboration sever communicating a determination that the insurance can be underwritten to either or both the insurer's server and the vendor whereby the transaction is concluded with payment by the vendor and the insurance underwritten.

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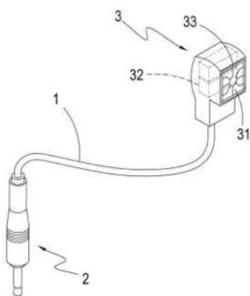
Title: ACTIVE CONTACT AND NEAR-FIELD CARD READING DEVICE AND METHOD THEREOF

Patent No: 2013/06868

Applicant: COATMEN TECHNOLOGY INTEGRATION LIMITED

Abstract: The present invention relates to an active contact and near-field card reading device and a method thereof, which are a device and a method for being attached to a mobile information device to carry out mobile payment and of which the structure includes a transmission cable. The transmission cable has two ends respectively provided with an audio connector and a reading head. The reading head includes an ISO 7816 reading module and an ISO 14443 reading module. With the above described structure and being operated with the following method: (a) inserting an audio connector into an audio jack of a mobile information device; (b) moving a reading head to approach a reading target; and (c) proceeding with a reading operation, by means of the structure and operation method according to the present invention, actively approaching and matching various specifications of electronic identification card can be made to proceed with a reading operation, so that practical advantages of actively approaching and being secure can be achieved.

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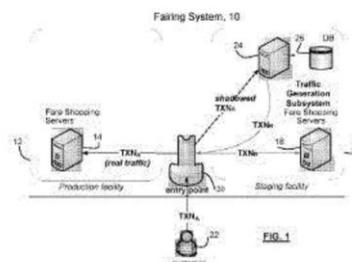
Title: AUTOMATIC TRAFFIC GENERATION FOR A FARING SYSTEM

Patent No: 2013/00887

Applicant: AMADEUS S.A.S

Abstract: A faring system (10) includes a production facility (12) including at least one fare shopping server (14), a staging facility (16) including at least one fare shopping server (18), and an entry point (20) for conducting bi-directional communications with customers. The staging facility further includes a database (26) storing transformation rules and a traffic generation subsystem (24) configured to receive a transaction via the entry point from a customer, to determine if the received request is one suitable for use in generating simulation data for the fare shopping server of the staging system and, if so, to modify the received transaction in accordance with at least one rule retrieved from the database to create at least one modified transaction, and to send the at least one modified transaction to the fare shopping server of the staging facility for processing. The fare shopping server of the staging facility processes the modified transaction for evaluating a potential new or modified functionality of the faring system.

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Title: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING REFERENCE SIGNAL IN WIRELESS COMMUNICATION SYSTEM

Patent No: 2013/01270

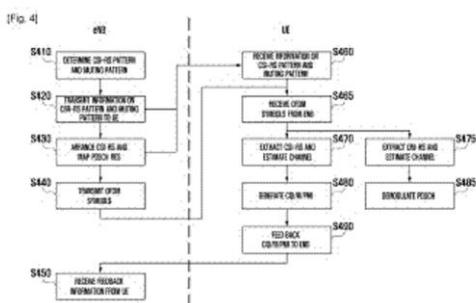
Applicant: SAMSUNG ELECTRONICS CO., LTD.

Abstract: Methods and apparatus are provided for transmitting processing reference signals in a mobile communication system. A base station determines a reference signal pattern comprising at least one resource element, generates a bitmap indicator indicating



whether zero transmission power is assigned to the at least one resource element of the reference signal pattern, and transmits the reference signal pattern and the bitmap indicator to a terminal. The terminal receives the reference signal pattern and the bitmap indicator, and processes a reference signal extracted according to the reference signal pattern and the bitmap indicator.

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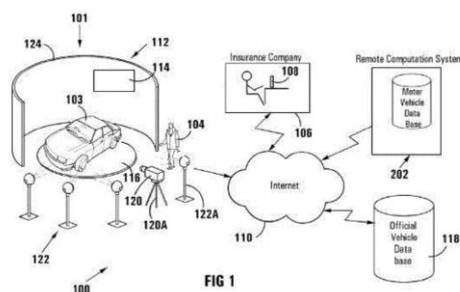
Title: A METHOD AND A SYSTEM OF ASSESSING DAMAGE TO A MOTOR VEHICLE

Patent No 2013/05336

Applicant: INIVIT SYSTEMS (PTY) LTD.

Abstract: The invention provides a system 100 of assessing damage to a motor vehicle 103. The system 100 includes a communication arrangement 216 which receives an identifier of the motor vehicle 103 and a query image representative of an exterior of the motor vehicle 103. An interrogation module 210 interrogates a pre-populated database 204 of motor vehicle identifiers and associated vehicle reference images, in order to determine whether or not the identifier received in the identifiers matches a prepopulated identifier on the database 204. If the response is positive, the or each reference image associated with the vehicle identifier is retrieved. A damage detection module 212 compares the query image of the motor vehicle 103 with the reference image of the motor vehicle 103 in order to determine whether or not there are any discrepancies between the two images. Any discrepancy indicatives damage and conformity is an indication of no damage.

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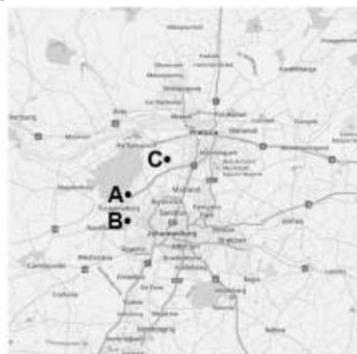
Title: DYNAMIC SCHEDULING METHOD

Patent No: 2013/05516

Applicant: DE BEER, Deon

Abstract: The invention provides a method of dynamically adjusting a scheduled starting time of an event in a calendar, implemented by a computing device configured to determine estimated arrival times for of at least some of the attendees of the event by calculating estimated travel times to an event venue for such attendees from their respective current locations, and adjusting the starting time of the event in the calendar to correspond with the latest of the calculated arrival times.

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Title: BI-FUEL ENGINE WITH VARIABLE AIR FUEL RATIO

Patent No: 2013/00103

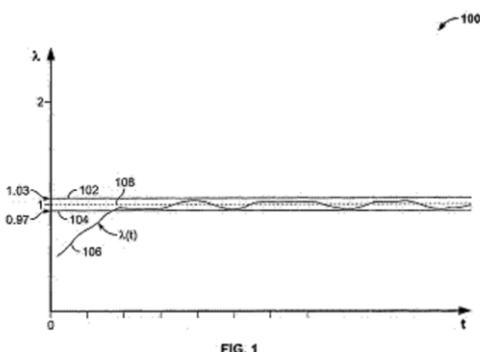
Applicant: ALSET IP S AR.L.

Abstract: A conventional gasoline engine is retrofitted to operate as a bi-fuel engine calibrated to burn Hydrogen gas as a primary fuel and gasoline as a secondary fuel at various acceptable air fuel ratios while avoiding forbidden air fuel ratios. The engine is preferably operated to burn



Hydrogen fuel in a charged mode and in a lean mode at certain acceptable air fuel ratios where relatively very little NO_x emissions occur. When additional power or acceleration is requested, processor controlled fuel injectors are operated to inject relatively small amounts of gasoline into the engine resulting in a fuel mixture that prevents increases in NO_x emissions as the processor controls the engine to operate at a stoichiometric air fuel ratio where a catalytic converter is best able to reduce harmful emissions into the environment. The injection of the secondary liquid gasoline fuel to the gaseous Hydrogen fuel the temperature of the fuels significantly reduces or eliminates backfiring tendency of the engine. The engine has a safety feature in that the Hydrogen fuel is shut off if a leakage of Hydrogen is detected. The engine then operates with gasoline fuel used as a backup fuel.

Image:



Title: ELECTRICITY GENERATING SHOCK ABSORBERS

Patent No: 2013/00757

Applicant: THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK

Abstract: An electricity generating shock absorber includes a coil assembly having a length of electrically conducting material wrapped around an outside perimeter, and along a length, of a hollow tube formed of electrically resistant material; a magnet unit formed of at least one annular axial magnet; a central shaft having a magnetic reluctance on which a plurality of the magnet units are mounted, the central shaft dimensioned for insertion through a

central opening of the at least one annular axial magnet, the central shaft combined with the plurality of magnet units forming a magnet assembly dimensioned to slideably insert into a central cavity of the hollow tube; and a cylindrical shell having a first end attached to a terminal end of the magnet assembly, the cylindrical shell extending a length of the magnet assembly, the cylindrical shell having an inner diameter sized to slideably accommodate an outside diameter of the coil assembly.

Image:



Title: A METHOD OF DETERMINING IF A VEHICLE HAS BEEN STOLEN AND A SYSTEM THEREFOR

Patent No: 2013/05335

Applicant: Discovery Holding Limited

Abstract: A system for determining if a vehicle has been stolen includes a communication module to receive data including a location of the vehicle and a manner in which the vehicle is being driven. A comparator module compares the received location data against a distance of stored locations and compares the manner in which the vehicle is being driven with previously stored driving data indicating the manner in which the vehicle was historically driven and based on this to determine if the vehicle has been stolen. A notification module issues a notification in response to the comparator module determining that the vehicle has been stolen.

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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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Hugo Biermann



Jak Erasmus

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