

(51) International Patent Classification:
H04M 3/00 (2006.01)(21) International Application Number:
PCT/IL2014/050362(22) International Filing Date:
14 April 2014 (14.04.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
226037 28 April 2013 (28.04.2013) IL

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Shenkar Street, 46725 Herzliya (IL).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

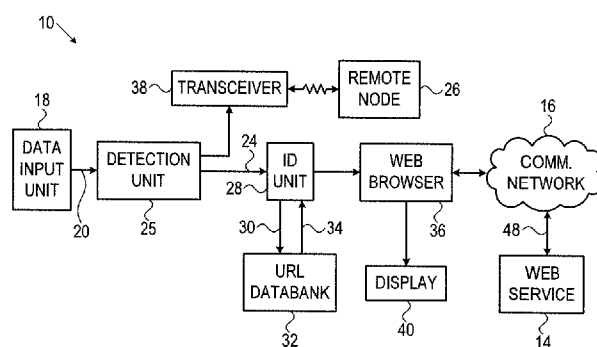
(54) Title: SYSTEM AND METHOD FOR COMMUNICATING BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A
WEB SERVICE

FIG. 1

(57) Abstract: A mobile communications device associated with a communications network, comprising a. data input unit being operable to enable a user of the mobile communications device to generate at least one string of characters associated with a communications operation, and a detection unit configured to detect, and analyze the at least one string of characters as well as discerning an internet request for a selected web service. The detection unit is further configured to forward a data portion of the at least one string of the characters to an identification unit configured to identify and retrieve from a URL databank at least one URL address of the selected web service corresponding to the data portion. In addition, the URL address is forwarded to a web browser embedded in the mobile communications device, whereupon the web browser is configured to access the selected web service and may activate the selected web service.

SYSTEM AND METHOD FOR COMMUNICATING BETWEEN A MOBILE COMMUNICATIONS DEVICE AND A WEB SERVICE

FIELD OF THE INVENTION

The present invention relates to the field of communications between a mobile communications device and a web service.

BACKGROUND OF THE INVENTION

A user of a mobile communications device wishing to communicate with a remote node inputs the phone number of the remote node and a communications channel is generated between the user and the remote node. Additionally, a user wishing to communicate with a website, initially inputs an URL address into a web browser of the mobile communications device and the mobile communications device forwards the URL address to the web server, thereby the web browser access the website. Thus, the current system and method is time-consuming and inefficient.

SUMMARY OF THE INVENTION

The present invention relates to the field of communications between a mobile communications device and a web service. The present invention enables a user of the mobile communications device to activate the web service via a communications network or enables the user to conduct a "regular" phone call, by operating the mobile communications device in a "default" mode. The user inputs at least one string of characters into the communications device and the mobile communications device discerns as to whether the user wishes to conduct the "regular" phone call to the remote node or communicate with the web service for providing various services to the user. Typically, the web service couples the user to a selected website, enabling, for example, the user to download software and/or an application, for installing on the mobile communications device, as well as to conduct a financial transaction. Additionally or alternatively, the web service couples the user to a selected appliance, such that the user is enabled to remotely activate and operate the appliance from the mobile communications device.

There is provided in accordance with an embodiment of the present invention, a mobile communications device associated with a communications network including: a data input unit being operable to enable a user of the mobile communications device to generate at least one string of characters associated with a

communications operation, and a detection unit configured to detect and analyze the at least one string of characters and discern an internet request for a selected web service. The detection unit is further configured to: forward a data portion of the at least one string of the characters to an identification unit configured to identify and retrieve from a URL databank at least one URL address of the selected web service corresponding to the data portion, and forward the at least one URL address to a web browser embedded in the mobile communications device, whereupon the web browser is configured to access the selected web service and is configured to activate the selected web service.

Further in accordance with an embodiment of the present invention, the selected web service includes a selected website. Additionally or alternatively, the selected web service includes a selected web payment service provider. Additionally or alternatively, the selected web service includes a server coupled to an appliance and the server is configured to activate and operate the appliance.

Still further in accordance with an embodiment of the present invention, the web browser is further configured to initiate downloading at least one web content from the selected website.

Additionally, in accordance with an embodiment of the present invention, the web browser is further configured to download software for installing in the mobile communications device.

Further in accordance with an embodiment of the present invention, the mobile communications device further includes a display unit configured to display at least one web content downloaded from the selected website to the user.

Further in accordance with an embodiment of the present invention, the web browser is further configured to open a web page of the selected website.

Still further in accordance with an embodiment of the present invention, the identification unit is embedded within the mobile communications device.

Additionally in accordance with an embodiment of the present invention, the URL databank is configured to store a plurality of URL addresses, wherein each URL address of the plurality of URL addresses corresponds to the web service. Preferably, the URL databank is embedded within the local identification unit.

Further in accordance with an embodiment of the present invention, the URL databank is remotely located from the local identification unit.

Still further in accordance with an embodiment of the present invention, the identification unit is located remotely from the mobile communications device and coupled electromagnetically to the mobile communications device.

Additionally in accordance with an embodiment of the present invention, the URL databank is configured to store a plurality of URL addresses, wherein each URL address of the plurality of URL addresses corresponds to at least one web service. Preferably, the URL databank is embedded within the identification unit.

Further in accordance with an embodiment of the present invention, the communications network includes a data channel.

Still further in accordance with an embodiment of the present invention, the web service includes a server for downloading an application.

Additionally in accordance with an embodiment of the present invention, the web browser includes a menu of instructions for conducting a web payment by means of the web payment service provider, the menu of instructions includes: generating by means of the data input unit the preamble portion to include at least one payment operation character, linking the mobile communications device to the web payment service provider by means of the communications network, retrieving the URL address of the web payment service provider from the URL databank, activating a communications channel between the user and the web payment service provider by means of the communications network, and transacting the web payment.

Further in accordance with an embodiment of the present invention, the menu of instructions further includes: forwarding a utility identification code to the payment service prior to the transacting, forwarding an amount for payment for a service to the payment service and/or forwarding an amount for payment for an item to the payment service.

Still further in accordance with an embodiment of the present invention, the communications network includes at least one secure communications channel.

Additionally the data portion includes an identification code of the user and at least one payment datum, such as a payment amount and/or a currency of payment.

Further in accordance with an embodiment of the present invention, including confirming the web payment to a payee and a payer.

Still further in accordance with an embodiment of the present invention, the web browser is further configured to download at least one software code from the

selected website and install the downloaded at least one software code in the mobile communications device.

Additionally in accordance with an embodiment of the present invention, the web browser is further configured to download at least one application from the selected website and install the downloaded at least one application in the mobile communications device.

Further in accordance with an embodiment of the present invention, the web browser is further configured to download at least one updated software code from the selected website and install the downloaded at least one updated software code in the mobile communications device.

Still further in accordance with an embodiment of the present invention, the web browser is further configured to download at least one updated application from the selected website and install the downloaded at least one updated application in the mobile communications device.

BRIEF DESCRIPTION OF THE DRAWINGS

A preferred embodiment of the current invention is described hereinbelow with reference to the following drawings:

Fig. 1 shows schematically a mobile communications device configured to enable a user of the mobile communications device to activate a web service, in accordance with an embodiment of the present invention;

Fig. 2 shows typical selected web services available to the user, in accordance with an embodiment of the present invention;

Fig. 3 shows schematically the mobile communications device is configured to communicate with a remote identification unit and a remote URL databank, in accordance with an embodiment of the present invention;

Fig. 4 shows a typical at least one string of characters for communicating with a selected website, in accordance with an embodiment of the present invention, and

Fig. 5 shows details of at least one string of characters for conducting a financial transaction with the web payment service provider, in accordance with an embodiment of the present invention.

DETAILED DESCRIPTION

Reference is now made to Fig. 1, which shows schematically a mobile communications device 10 configured to enable a user of the mobile communications device 10 to activate a selected web service 14, via a communications network 16 and/or make a phone call to a selected remote node 26 from the mobile communications device 10, in accordance with an embodiment of the present invention. The user inputs at least one string of characters 20 into the mobile communications device 10, associated with a communications operation selected by the user, by means of a data input unit 18, such as a dialer unit. The mobile communications device 10 analyzes, by means of a detection unit 25, the string of characters 20, as described below and determines whether the user wishes to conduct the phone call to the selected remote node 26 or to communicate with the selected web service 14.

The at least one string of characters 20 includes, inter alia, information relating to the selected web service 14 and/or the phone number of the selected remote node 26. Typically, the at least one string of characters 20 includes, inter alia, digits 0 - 9 as well as a hash symbol, "#" and an asterisk symbol, "*". It is appreciated that additional or alternative characters and symbols may be used with the present invention, depending on the dialer unit of the mobile communications device 10.

Typically, the at least one string of characters 20, includes, inter alia, a preamble 22 and a data portion 24, such as an identification code, related to the selected web service 14 or the phone number of the selected remote node 26.

The selected web service 14 is selected from web services accessible to the user by means of the communications network 16, as described below with respect to Fig. 2.

The mobile communications device 10 includes a detection unit 25, coupled to the data input unit 18, which detects and analyzes at least a portion of the at least one string of characters 20 and discerns between the phone call to the selected remote node 26 or a communication with the selected web service 14.

If the detection unit 25 detects the preamble 22, the detection unit 25 interprets the preamble 22 to indicate that the user has selected to communicate with the selected web service 14. The detection unit 25 parses the string of characters 20 to generate the data portion 24 and forwards the data portion 24 to an identification unit 28. As described below, the data po

identification code 30, which is identified by the identification unit 28 as a code for the selected web service. The identification unit 28 compares the web service identification code 30 with the URL code stored in a URL databank 32 and retrieves from the URL databank 32, the URL address 34 corresponding to the web service identification code 30. In addition, the identification unit 28 retrieves additional information from the operating system of the mobile communications device 10 such as a user/device ID, a current geographical location of the user and the time of day. The user/device ID, the current geographical location of the user and the time of day can be used by the selected web service 14 as additional identification data of the user.

The URL databank 32 is configured to store a plurality of URL addresses, wherein each URL address of the plurality of URL addresses is associated with an identification code, such as the web service identification code 30 and corresponds to at least one web service. Each URL address stored in the URL databank 32 may be updated frequently, thereby enabling a specific string of characters to be associated with various URL addresses, at different time periods. For example, a string, such as "444030" may be associated at a one time period with a website, such as "cnn.com/sports", and at a later time period, with an advertisement for an "ice-cream company".

A web browser 36 embedded within the mobile communications device 10 receives the URL address 34, as well as the additional information, such as the user/device ID, as described above, from the identification unit 28 and accesses the selected web service 14 the user via the communications network 16. The web browser 36 is further configured to activate the selected web service 14.

The web browser 36 initiates communication between the mobile communications device 10 and the selected web service 14. Subsequent to a successful handshake between the mobile communications device 10 and the selected web service 14, a communications channel 48 is established between the mobile communications device 10 and the selected web service 14.

Alternatively, if the detection unit 25 fails to detect the preamble 22, the detection unit 25 interprets the lack of the preamble 22 that the user has selected to make a "regular" phone call to the selected remote node 26, via a transceiver 38 and the mobile communications device 10 operates in the "default" mode.

It is appreciated that in some embodiments, the identification unit 28 and the URL databank 32 are located within the mobile communications device 10. Thus, data transfer time between the mobile communications device 10 and the selected web service 14 is decreased, thereby facilitating the use of the mobile communications device 10 to operate the selected web service 14. Additionally, locating the identification unit 28 and the URL databank 32 within the mobile communications device 10 provides a secure data transfer channel therebetween.

Alternatively, the identification unit 28 is embedded within the mobile communications device 10 and the URL databank 32 is located remotely from the mobile communications device 10. Communications between the identification unit 28 and the remote URL databank via a data channel, which is typically a secure data channel.

The mobile communications device 10 is typically a smartphone, such as but not limited to, an iPhone®, a Smartphone®, a Samsung Galaxy® and an Android phone®.

It is appreciated that the communications network 16 includes, inter alia, a cellular communications network, either data or voice based, and the Internet.

It is appreciated that alternative mobile communications devices embodying the present invention may be implemented in various configurations and architectures. Implementation of the present invention is not dependent on any particular device, architecture and/or communications network.

Reference is now made to Fig. 2 which shows three typical selected web services available to the user, in accordance with an embodiment of the present invention. In accordance with the retrieved URL address 34, the web browser 36 accesses the selected web service 14. The selection of available web services includes, inter alia, a selected website 50, a selected web payment service provider 52 and/or an appliance selected server 54.

The web browser 36 enables the user to access the selected website 50 and to open a web page of the selected website 50. Additionally or alternatively, the web browser 36 is also configured to initiate downloading at least one web content from the selected website 50. Downloaded web content is typically displayed to the user on a display 40 (Fig. 1). Additionally or alternatively, the web browser is further configured to download software for installing on the mobile communications device 10.

Additionally or alternatively, the web browser enables the user to access the selected web payment service provider 52 and conduct typically financial transactions with the selected web payment service provider 52, as described below. It is appreciated that typically a secure communications channel, including the communications network 16 and the communications channels 48 and 49, is generated with the web payment service provider 52.

Additionally or alternatively, the selected web service 14 is coupled to an appliance service server 54, which is coupled to an appliance 55 such as a home washing machine and/or TV. Thus, the user is enabled to remotely activate and operate the appliance 55 by means of the web browser 36. Additionally or alternatively, the appliance service server 54 may also be coupled to an industrial and/or commercial appliance, enabling an industry owner to remotely activate and control an industrial process and/or a commercial process from the mobile communications device 10.

Reference is now made to Fig. 3, which shows schematically the mobile communications device 10 is configured to communicate with a remote identification unit 122 and a remote URL databank 132, in accordance with an embodiment of the present invention. The remote identification unit 122, which includes, inter alia, a remote URL databank 132, is located remotely from the mobile communications device 10. A data transfer channel 120, which may be or may not be a secure channel, is established between the mobile communications device 10 and the remote identification unit 122. The data transfer channel 120 includes, inter alia, an uplink data transfer channel 130 and a downlink data transfer channel 134. By means of the data uplink channel 130, data, such as the web service identification code 30, is transferred from the mobile communications device 10 to the remote identification unit 122. By means of the downlink data transfer channel 134, data, such as the corresponding URL address 34 is transferred from the remote identification unit 122 to the mobile communications device 10.

The data transfer channel 120 typically includes a wireless data transfer channel, such as an electromagnetic data transfer channel, a cellular communications network, a wired data transfer channel and/or any combination of thereof.

Reference is now made to Fig. 4, which shows the typical at least one string of characters 20, in accordance with an embodiment of the present invention. The at least one string of characters 20 includes, i

24. As described above, the data portion 24 includes, inter alia, the web service identification code 30 corresponding to the URL address of the selected web service.

The preamble 22 includes a combination of at least two characters, such as the asterisk symbol "*" and the hash symbol "#". If, for example, the user inputs, as the preamble 22, a combination of the characters "*" and "#", the identification unit 28 interprets the string of characters 20 as a request for the selected web service 14 having the web service identification code 30.

Following the user inputting the combination of the characters "*" and "#", the user inputs the web service identification code 30.

If the user fails to input the combination of characters "*" and/or "#", the identification unit interprets that the user wishes to conduct the "regular" phone call to the selected remote node 26.

It is appreciated that different combinations of the characters "*" and "#", are identified by the identification unit 28 as different requests by the user. For example, a combination of two asterisk symbols "*" is interpreted by the identification unit 28 as the user request for communication with the selected website 50. Alternatively, if for example, the user inputs a combination of two hash symbols "##", the identification unit 28 interprets a user request for the selected web payment service provider 52, as described below.

For example, if the user wishes to access the selected website 50, the user inputs into the data input unit 18 the string of characters 20, such as "***234". The detection unit 25 detects the preamble "***" and detects the identification code 30, "234", corresponding to the selected website 50. The identification unit 28 forwards the code "234" to the identification unit 28, which identifies the website corresponding to the code "234" and retrieves the corresponding URL address 34 from the URL databank 32, as well as additional data, such as the device/user ID, as described above. The identification unit 28 forwards the URL address 34 to the web browser 36 and the web browser 36 accesses the selected website 50 via the communications network 16 and the communications channel 48.

Reference is now made to Fig. 5, which shows details of a string of characters 153 for conducting a financial transaction with the web payment service provider 52, in accordance with an embodiment of the present invention. The user generates the string of characters 20 by means of the data input unit 18 in which the preamble 22 includes a string of payment operation: such as the characters "##".

The identification unit 28 interprets the symbol "##" as a request from the user to conduct a financial transaction with the web payment service provider 52.

In accordance with an embodiment of the present invention, in order to initiate the financial transaction, such a payment for a service or for an item, payment information is preloaded into the mobile communications device 10. The preloaded information includes, inter alia, the web service identification code 30 of the web payment service provider 52, such as a credit card company, via which the payment is to be transacted from the payer to the payee, as well as the device/user ID. The web service identification code 30 is interpreted by the identification unit 28 as the URL address of the web payment service provider 52.

It is appreciated that the financial transaction is conducted via the communication network 16 and the communications channels 48 and 49, which are secure communications channels, as described above with respect to Fig. 2.

If, for example, the user (or payer) wishes to conduct a payment to the payee, the user inputs the data portion 24, which includes, inter alia, a sequence of the string of characters 153, which typically includes a first set of characters 162, a second set of 164, a third set of characters 166, a fourth set of characters 168, a fifth set of characters 170, a sixth set of characters 172 and a seventh set of characters 174. The first set of characters 162 is interpreted by the identification unit 28 as the payee code as recorded within the web payment service provider 52.

The second set of characters 164 is typically a hash character "#" and indicates to the identification unit 28 that the following sets of characters 166, 168, 170, 172 and 174 relate to the financial transaction, such as the payment to make to the payee.

The third set of characters 166, the fourth set of characters 168 and the fifth set of characters 170 are interpreted by the identification unit 28 as a total amount to be paid to the payee. For example, if the payment to be made is in a dollar denomination, the third set of characters 166 is interpreted by the identification unit 28 as indicating the amount in dollars to be paid, the fifth set of characters 170 is interpreted by the identification unit 28 as indicating the amount of cents to be paid and the fourth set of characters 168 is interpreted by the identification unit 28 as a distinguishing mark between the "dollars" to be paid and the "cents" to be paid. Typically, the fourth string of characters 168 is typically an asterisk character "*", dividing the dollar amount, the third set of characters 166 from the amount in cents, the fifth set of characters 170.

It is appreciated that in an alternate financial transaction, the user inputs a dollar amount, only.

A sixth set of characters 172, which is typically a hash character "#", separates between the third set of characters 166, the fourth set of characters 168 and the fifth set of characters 170) and the seventh set of characters 174

The seventh set of characters 174 is interpreted by the identification unit 28 as additional data for the payment to be conducted. If, for example, the payer wishes to pay a restaurant for a meal service, the seventh set of characters 174 can indicate to the payee, a tip amount to be paid to the waiter/waitress.

It is appreciated that the user may not wish to enter further data, such as the sixth set of characters 172 and/or seventh set of characters 174. Thus, the detection unit 25 parses the first set of characters 162, the second set of characters 164, the third set of characters 166, the fourth set of characters 168 and the fifth set of characters 170, whereupon the financial transaction proceeds accordingly.

In some embodiments, an additional set of characters is included which is interpreted by the identification unit 28 as the currency in which the financial transaction is to be conducted.

The identification unit 28 retrieves from the URL databank 32 the URL address of the web payment service provider 52, as well as the payee code (first set of characters 162) and a user ID code to enable the web payment service provider 52 to identify the user.

The identification unit 28 transfers the URL address of the web payment service provider 52 with the payee ID code, and the user ID (payer) code to the web browser 36 and the web browser commences the procedure for transacting the payment. Initially, following the interpretation of the string of characters 152 by the identification unit 28, as described above, the web browser 36 establishes the secure communications channels 16, 48 and 49 (Fig. 2) with the web payment service provider 52, such with the credit card company. Whereupon, the web browser 36 requests that the user confirms the payment details. Following, confirmation by the user of the payment details, to the user and the payee, the payment procedure progresses. Upon completion of the payment procedure, the user at the mobile communications device 10 and the payee receive validation that the payment procedure was successful, by means of the web browser 36, via an additional datalink between the web service payment pro

well by datalink between the web service payment provider and the payees' application or by SMS or by email according to the payee preferences.

For example, a typical payment code 163, such as ##333-#150*50#10" is generated by the data input unit 18. The preamble 160, "##" indicates that the network subscriber wishes to conduct a financial transaction, such as payment for a meal in a restaurant, via the web payment service provider 52, such as a credit card company. The first set of characters 162, "333", is the identification code of the payee. The second set of characters 164 is a hash symbol dividing between the identification code of the payee and the amount to be paid to the payee.

The third set of characters 164 "150", the fourth set of characters 166 "*" and the fifth set of characters 168, "50", respectively indicate that the amount to be paid to the restaurant is \$150.50

The seventh set of characters "10", indicates that the waiter/waitress should be paid a, typically as 10% of the total amount to be paid.

It is appreciated that since details of the web service payment service 52 and the payer/user are stored in the web payment service provider 52, as described above, the payer/user is enabled to conduct direct secure payment for a service and/or an item to a payee without exposing payment data, such as a credit card number, via the Internet.

It is also appreciated that the web identification code 30 includes, inter alia, the phone number of the payee. Thus, the payer/user can conduct a transfer of funds directly to the payee by using the payee's phone number.

While the disclosure has been described with reference to exemplary embodiments, it will be understood by those skilled in the art that various changes may be made and equivalents may be substituted for elements thereof without departing from the scope of the invention. In addition, many modifications may be made to adapt a particular situation or material to the teachings without departing from the essential scope thereof. Therefore, it is intended that the disclosed subject matter not be limited to the particular embodiment disclosed as the best mode contemplated for carrying out this invention, but only by the claims that follow.

CLAIMS

1. A mobile communications device associated with a communications network comprising:

a data input unit being operable to enable a user of said mobile communications device to generate at least one string of characters associated with a communications operation, and

a detection unit configured to detect and analyze said at least one string of characters and discern an internet request for a selected web service,

wherein said detection unit is further configured to:

forward a data portion of said at least one string of said characters to an identification unit configured to identify and retrieve from a URL databank at least one URL address of said selected web service corresponding to said data portion, and

forward said at least one URL address to a web browser embedded in said mobile communications device, whereupon said web browser is configured to access said selected web service and is configured to activate said selected web service.

2. The mobile communications device according to claim 1, wherein said selected web service comprises a selected website.

3. The mobile communications device according to claim 1, wherein said selected web service comprises a selected web payment service provider.

4. The mobile communications device according to claim 1, wherein said selected web service comprises a server coupled to an appliance and said server is configured to activate and operate said appliance.

5. The mobile communications unit according to claim 2, wherein said web browser is further configured to initiate downloading at least one web content from said selected website.

6. The mobile communications unit according to claim 1, wherein said web browser is further configured to download software for installing in said mobile communications device.

7. The mobile communications device according to claim 5, further comprising a display unit configured to display at least one web content downloaded from said selected website to said user.

8. The mobile communications device according to claim 1, wherein said web browser is further configured to open a web page of said selected website.

9. The mobile communications device according to claim 1, wherein said identification unit is embedded within said mobile communications device.

10. The mobile communications device according to claim 1, wherein said URL databank is configured to store a plurality of URL addresses, wherein each URL address of said plurality of URL addresses corresponds to said web service.

11. The mobile communications device according to claim 10, wherein said URL databank is embedded within said local identification unit.

12. The mobile communications device according to claim 10, wherein said URL databank is remotely located from said local identification unit.

13. The mobile communications device according to claim 1, wherein said identification unit is located remotely from said mobile communications device and coupled electromagnetically to said mobile communications device.

14. The mobile communications device according to claim 1, wherein said URL databank is configured to store a plurality of URL addresses, wherein each URL address of said plurality of URL addresses corresponds to at least one web service.

15. The mobile communications device according to claim 14, wherein said URL databank is embedded within said identification unit.

16. The mobile communications device according to claim 1, wherein said communications network comprises a

17. The mobile communications device according to claim 1, wherein said web service comprises a server for downloading an application.

18. The mobile communications device according to claim 3, wherein said web browser comprises a menu of instructions for conducting a web payment by means of said web payment service provider, said menu of instructions comprises:

generating by means of said data input unit said preamble portion to include at least one payment operation character;

linking said mobile communications device to said web payment service provider by means of said communications network;

retrieving said URL address of said web payment service provider from said URL databank;

activating a communications channel between said user and said web payment service provider by means of said communications network, and

transacting said web payment.

19. The mobile communications device according to claim 18, wherein said menu of instructions further comprises:

forwarding a utility identification code to said payment service prior to said transacting.

20. The mobile communications device according to claim 19, wherein said menu of instructions further comprises:

forwarding an amount for payment for a service to said payment service.

21. The mobile communications device according to claim 19, wherein said menu of instructions further comprises:

forwarding an amount for payment for an item to said payment service.

22. The mobile communications device according to claim 20, wherein said communications network comprises at least one secure communications channel.

23. The mobile communications device according to claim 20, wherein said data portion comprises an identification code of said user and at least one payment datum.
24. The mobile communications device according to claim 23, wherein said at least one payment datum comprises a payment amount.
25. The mobile communications device according to claim 24, wherein said at least one payment datum comprises a currency of payment.
26. The mobile communications device according to claim 20, further comprising confirming said web payment to a payee and a payer.
27. The mobile communications device according to claim 5, wherein said web browser is further configured to download at least one software code from said selected website and install said downloaded at least one software code in the mobile communications device.
28. The mobile communications device according to claim 5, wherein said web browser is further configured to download at least one application from said selected website and install said downloaded at least one application in said mobile communications device.
29. The mobile communications device according to claim 5, wherein said web browser is further configured to download at least one updated software code from said selected website and install said downloaded at least one updated software code in said mobile communications device.
30. The mobile communications device according to claim 5, wherein said web browser is further configured to download at least one updated application from said selected website and install said downloaded at least one updated application in said mobile communications device.

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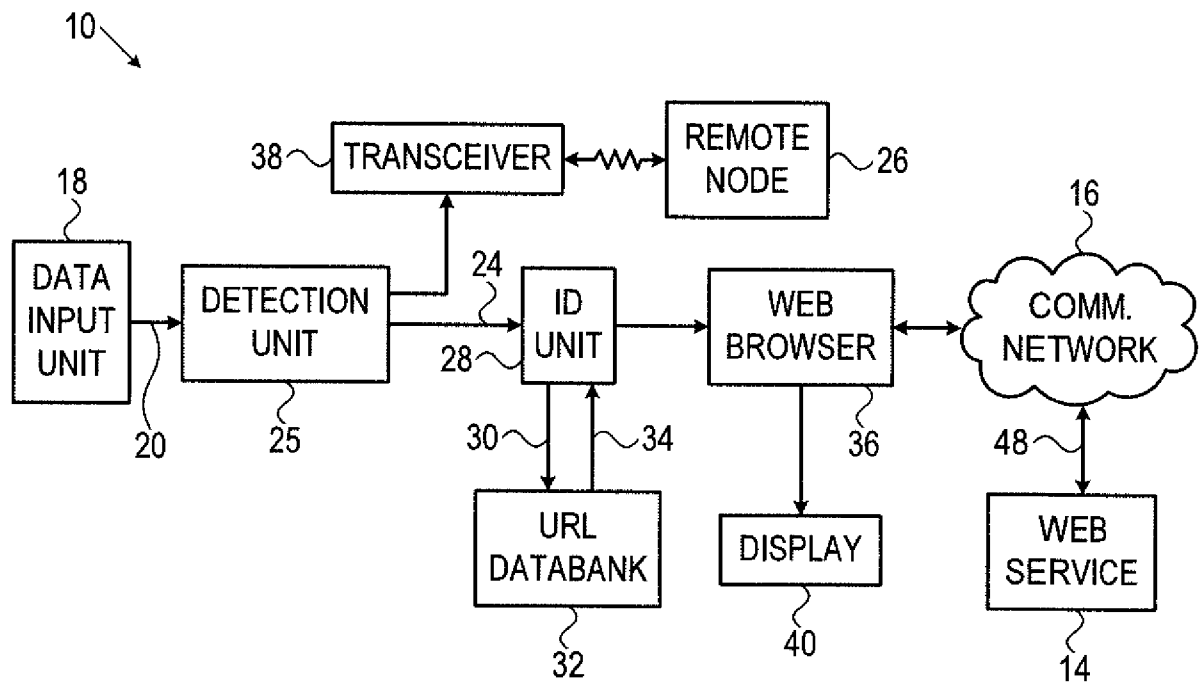


FIG. 1

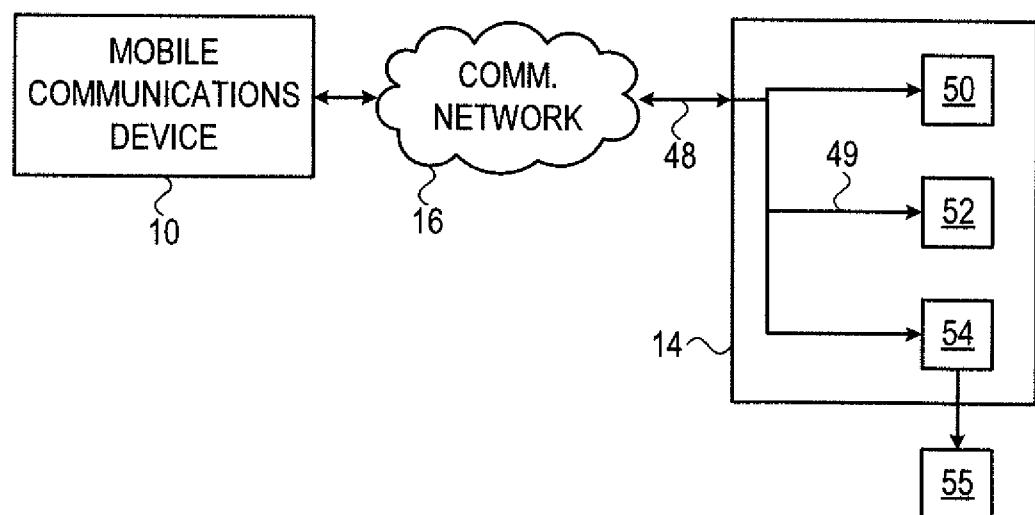


FIG. 2

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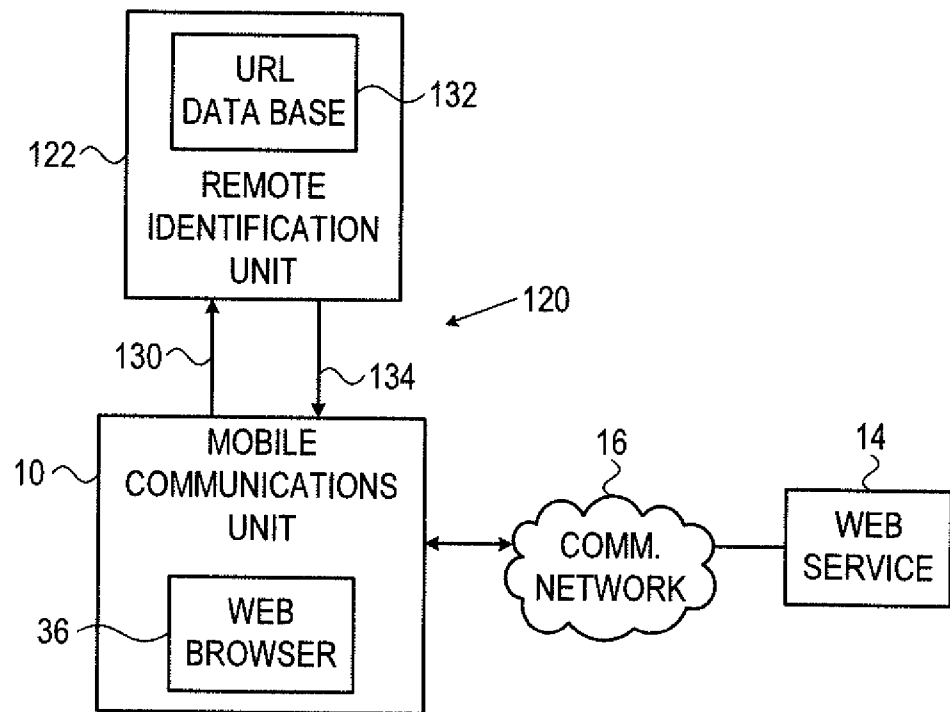


FIG. 3



FIG. 4

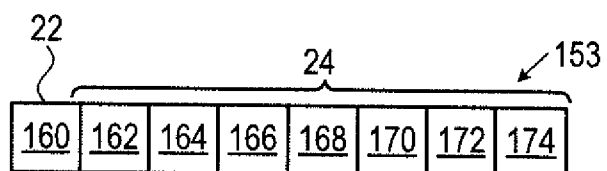


FIG. 5

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL2014/050362

A. CLASSIFICATION OF SUBJECT MATTER IPC (2014.01) H04M 3/00 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC (2014.01) H04M 3/00 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Databases consulted: THOMSON INNOVATION, Google Patents Search terms used: mobile, speed request, web site/service, url, databank, string, character/symbol		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2012157070 A1 Jain et al. 21 Jun 2012 (2012/06/21) The whole document	1-3,5-17,27-30
Y	The whole document	4,18-26
Y	US 7136709 B2 Arling et al. 14 Nov 2006 (2006/11/14) The whole document	4
Y	US 8160959 B2 Rackley III et al. 17 Apr 2012 (2012/04/17) The whole document	18-26
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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Date of the actual completion of the international search 27 Jul 2014		Date of mailing of the international search report 27 Jul 2014
Name and mailing address of the ISA: Israel Patent Office Technology Park, Bldg.5, Malcha, Jerusalem, 9695101, Israel Facsimile No. 972-2-5651616		Authorized officer GORBUNOVA Yelena Telephone No. 972-2-5651669

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International application No.
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