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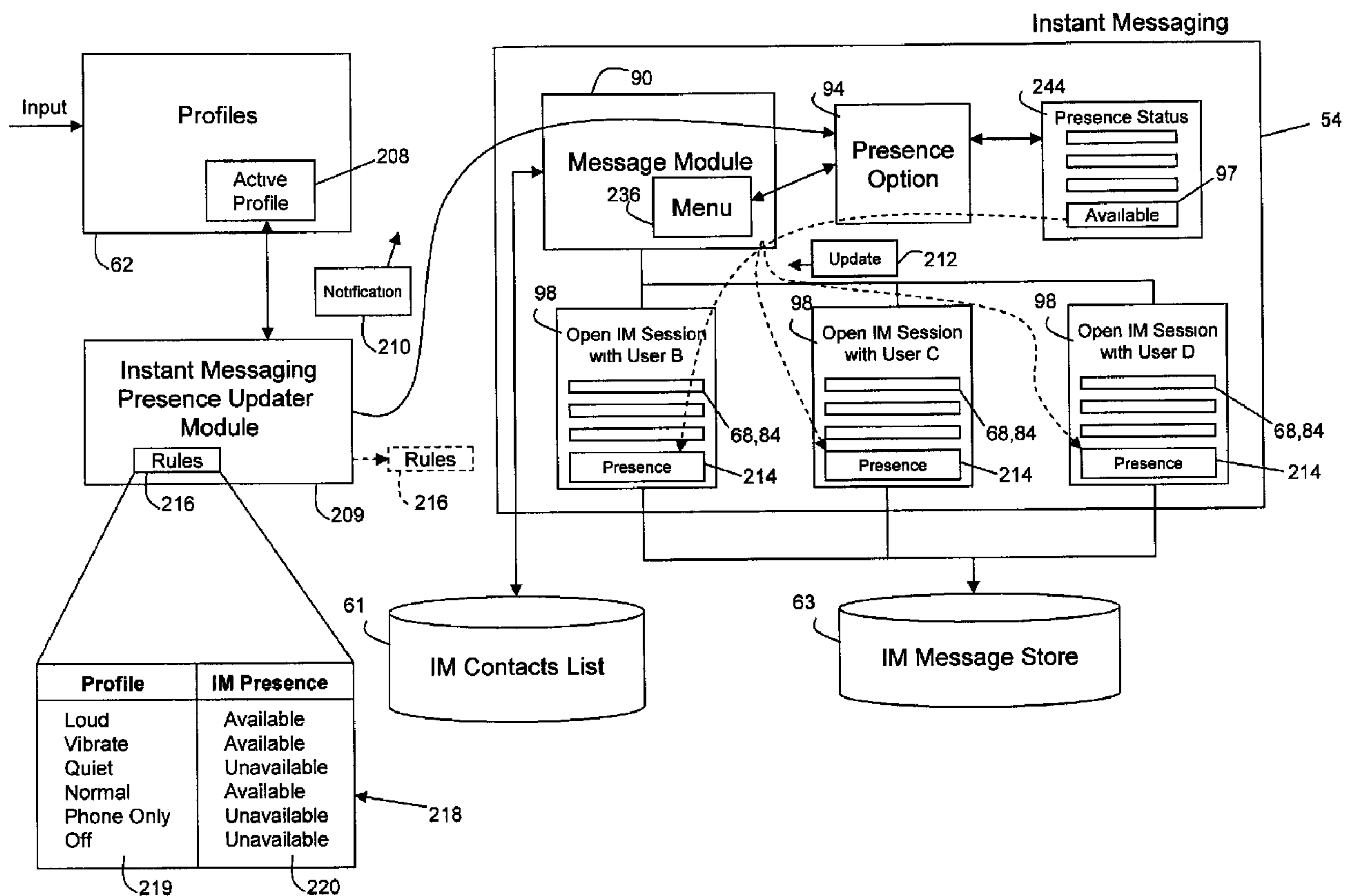
(72) Inventeurs/Inventors:
WISEBOURT, SHAUL SERGE, CA;
KLASSEN, GERHARD DIETRICH, CA

(73) Propriétaire/Owner:
RESEARCH IN MOTION LIMITED, CA

(74) Agent: BLAKE, CASSELS & GRAYDON LLP

(54) Titre : SYSTEME ET METHODE PERMETTANT LA MISE A JOUR D'INFORMATION DE PRESENCE DANS DES APPLICATIONS DE MESSAGERIE INSTANTANEE SUR UN DISPOSITIF MOBILE

(54) Title: SYSTEM AND METHOD FOR UPDATING PRESENCE INFORMATION IN INSTANT MESSAGING APPLICATIONS ON A MOBILE DEVICE



(57) Abrégé/Abstract:

A system and method for controlling the presence status in an instant messaging application on a mobile device is provided. An active notification profile for the mobile device which has been selected from a plurality of existing notification profiles defined for the

(57) **Abrégé(suite)/Abstract(continued):**

mobile device is determined, e.g. on a periodic or dynamic basis. A set of one or more rules is then used to compare the active notification profile to the rules and determine which one of a selected presence status for the corresponding profile is appropriate. A notification is then prepared which pertains to the corresponding presence status for the active notification profile. Using the notification, the corresponding presence status can be compared to the current presence status in the instant messaging application so that the presence can be updated automatically according to changes in notification profiles to avoid the need to change both the profiles and the presence status when the environment changes.

ABSTRACT

A system and method for controlling the presence status in an instant messaging application on a mobile device is provided. An active notification profile for the mobile device which has
5 been selected from a plurality of existing notification profiles defined for the mobile device is determined, e.g. on a periodic or dynamic basis. A set of one or more rules is then used to compare the active notification profile to the rules and determine which one of a selected presence status for the corresponding profile is appropriate

SYSTEM AND METHOD FOR UPDATING PRESENCE INFORMATION IN INSTANT MESSAGING APPLICATIONS ON A MOBILE DEVICE

[0001] Instant messaging has become a convenient and popular way of communicating
5 between users, whether using mobile devices, personal computers or both. An instant
messaging application typically allows a user to engage in multiple conversations and the
frequency of each conversation is

corresponding presence status for the active notification profile; and setting the corresponding presence status as a current presence status for the instant messaging application.

BRIEF DESCRIPTION OF THE DRAWINGS

5 [0004] Embodiments will now be described by way of example only with reference to

[0019] Figure 15 is a block diagram showing further detail of an instant messaging application and an instant messaging presence detection module for updating the instant messaging application upon sensing status changes in the profiles application.

5 [0020] Figure 16 is a screen shot of the menu of options shown in Figure 10 with the Link My Status with Profiles option being highlighted.

embodiments described herein. Also, the description is not to be considered as limiting the scope of the embodiments described herein.

5 [0030] A disconnect has been recognized between the way in which users of a mobile device are notified of events and the user's status or presence in an instant messaging application can occur where such notifications are altered without a corresponding change in the instant messaging presence status

[0035] The mobile device may be one that is used in a system that is configured for continuously routing all forms of pushed information from a host system to the mobile device. One example of such a system will now be described.

[0036] Referring now to the drawings, Figure 1 is an example system diagram showing the redirection of user data items (such as message A

(ASP) in the host system 250. Within the ASP is a computer program, similar to a wireless mobility agent, running on any computer in the ASP's environment that is sending requested data items from a data store to a mobile device 100. The mobile-destined data item (A) is routed through the network 224, and through a firewall protecting the wireless router 26.

communications mode, certain aspects of the system could be used in a "one and one-half" or acknowledgment paging environment, or even with a one-way paging system. In such limited data messaging environments, the wireless router 26 still could abstract the mobile device 100 and wireless network 200, offer push services to standard web-based server systems and
5 allow a host service in a host system 250 to reach the mobile device 100 in many countries.

not limited to: (1) the Mobitex Radio Network ("Mobitex") and (2) the DataTAC Radio Network ("DataTAC").

[0044] To be effective in providing push services for host systems 250, the wireless router 26 may implement a set of defined functions. It can be appreciated that one could select many different hardware configurations for the

protocols used between the mobile device 100 and the wireless network 200. An RF channel is a limited resource that must be conserved, typically due to limits in overall bandwidth and limited battery power of the mobile device 100.

5 [0065] When the mobile device 100 is fully operational, the transmitter 152 is typically keyed or turned on only when

well as new notification profiles that are created 260', a method can be employed to detect changes in the active notification profile 208, determine the corresponding presence status 244 through such associations, and then automatically update the instant messaging presence status 244. In this way, if the active notification profile 208 is changed due to a sudden
5 change in environment, there is no requirement to also access the instant messaging application 54 and change the presence status 244 separately.

notification prepared according to information provided by a profiles application on said mobile device, and said notification pertaining to said corresponding presence status comprises an update generated by said instant messaging application.

- 5 13. The method according to any one of claims 1 to 12, wherein said setting said current presence status further comprises:

