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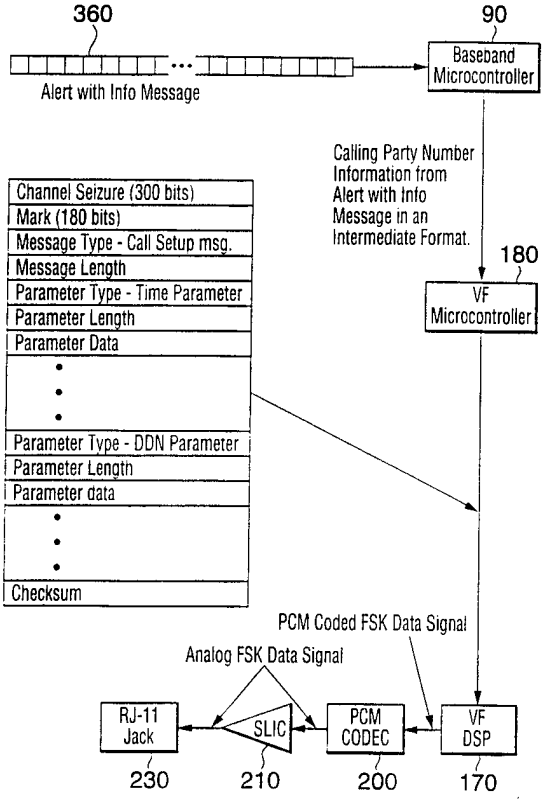
(54) Title: CALL MANAGEMENT SERVICES TO TELEPHONE DEVICES WHICH ARE CONNECTED TO A FIXED WIRELESS ACCESS SUBSCRIBER UNIT

(57) Abstract

One aspect of the invention provides for a method of providing call management services to a conventional wireline telephony device (or devices) which receive telephony services by means of a fixed wireless access subscriber unit. Such a subscriber unit (SU) includes a wireless transceiver for communicating with a wireless network and a telephone subscriber line interface which connects to a telephone subscriber line to which the telephony devices are connected. Such a subscriber unit is configured to carry out the following steps. Upon receipt of an incoming message (which typically occurs during call set up of an incoming call) subscriber unit evaluates whether call management services information is present, and if so searches the message, according to the wireless protocol for the CMS information and extracts the CMS information. The SU then interprets the received information, determines what information should be passed to the telephony devices to the SU and produces a message containing the relevant information which is then sent to the telephony devices via the telephone subscriber line. According to a preferred embodiment, the new message may contain information not present in the original incoming message. This new information is retrieved from a user selected directory stored within the SU. According to another embodiment of the invention the SU may contain a plurality of transceivers and a plurality of subscriber line interfaces wherein said subscriber unit can effectively act as a wireless key system.



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INTERNATIONAL SEARCH REPORT

Intern· ·al Application No
PCT/CA 97/00803

A. CLASSIFICATION OF SUBJECT MATTER
IPC 6 H04Q7/20 H04Q7/38

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 6 H04Q

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 practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 569 314 A (AMPER SA) 10 November 1993 see page 4, line 55 - page 5, line 35; figure 2 see page 6, line 4 - line 17 ---	1,8,15, 20
A	GARCIA AGUILERA J M: "FIXED CELLULAR ACCESS" ELECTRICAL COMMUNICATION, 1 January 1995, pages 43-46, XP000544985 see page 44, middle column, line 4 - page 45, right-hand column, line 14 --- -/--	1-32

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
4 June 1998	10/06/1998

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

Internal Application No
PCT/CA 97/00803

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication,where appropriate, of the relevant passages	Relevant to claim No.
A	IP W H ET AL: "CORDLESS ACCESS TO THE ISDN BASIC RATE SERVICE" UK TELETRAFFIC SYMPOSIUM, 1 January 1993, pages 29.01-29.07, XP002052027 see page 29.01, paragraph 1; figure 2	1-32

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