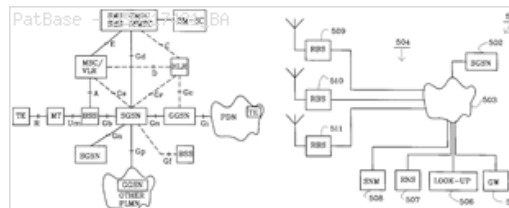


Abstract: The present invention is related to a method of configuring an interface between a serving GPRS support node and a base station system. Allocation (401) of a new network service entity identifier is requested. In response to said request, a new network service entity identifier is automatically allocated (402) according to a predefined rule ensuring that the new network service entity identifier is unique within the serving GPRS support node. Data structures in the serving GPRS support node and the base station system are automatically initiated (403) by registering the allocated new network service entity identifier in said data structures.

International (IPC 8-9): H04G7/38 H04L12/56 H04L29/00 H04L29/06 H04L29/08 H04L29/12 H04Q7/22 H04Q7/30 H04W8/26 H04W80/04 H04W92/02 H04W92/12 H04W92/14 H04W92/24 (Advanced/Invention); H04L29/08 H04W24/02 H04W76/04 H04W8/26 H04W80/04 H04W88/16 H04W88/18 H04W92/02 H04W92/04 H04W92/06 H04W92/12 H04W92/14 (Advanced/Non-invention); H04L12/56 H04L29/06 H04L29/12 H04W8/00 H04W92/00 (Core/Invention); H04L29/08 H04W24/00 H04W76/00 H04W80/00 H04W92/00 (Core/Non-invention)



European: H04L29/06 H04L29/12A H04L29/12A3 H04L61/00 H04L61/20 H04W208/26 H04W292/12 H04W4/187 H04W4/189 H04W5/08 H04W54/047 H04W8/26 H04W92/02 H04W92/12 H04W92/14 T04L29/08A T04L29/08A2 T04W10/02 T04W208/04 T04W208/06 T04W224/02 T04W24/02 T04W280/04 T04W288/14 T04W288/18 T04W292/02 T04W292/14 T04W38/02 T04W4/023 T04W4/027 T04W52/08 T04W52/12 T04W54/02 T04W54/049 T04W76/04 T04W80/04 T04W88/16 T04W88/18 T04W92/02 T04W92/04S T04W92/06 T04W92/12 T04W92/14

US: 370/254 370/255 370/328 370/329 370/338 370/465 370/466 370/467 370/475 455/423 455/424 455/432 455/435.1 455/456 455/561 713/151 713/168

Publication number	Publication date	Application number	Application date
AR026964 AA	20030305	AR2000P106654	20001214
AR026993 AA	20030305	AR2000P106712	20001215
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Priority:

US19990172295P 19991216 SE20000000960 20000321 US20000558757 20000421
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Probable Assignee: TELEFONAKTIEBOLAGET LM ERICSSON PUBL**Assignee(s):** (std): ERICSSON TELEFON AB L M ; ERICSSON TELEFON L M AB ; TELEFONAKTIEBOLAGET LN ERICSSON ; TELEFONAKTIEBOLAGET L M ERICSSON PUBL**Assignee(s):** TELEFONAKTIEBOLAGET LM ERICSSON PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) ; UNWIRED PLANET LLC ; TELEFONAKTIEBOLAGET LM ERICSSON PUBL A SWEDISH CORPORATION ; TELEFONAKTIEBOLAGET LM ERICSSON S ; BALAZINSKI BARTOSZ ; CLUSTER LLC ; HOSSAIN MAHMOOD ; RACINE YVES ; TELEFONAKTIEBOLAGET LM ERICSSON ; TELEFONAKTIEBOLAGET L M ERICSSON ; TELEFONAKTIEBOLAGET LN ERICSSON**Inventor(s):** (std): HOSSAIN MAHMOOD ; BALAZINSKI BARTOSZ ; RACINE YVES ; LARS WILHELMSSON ; TORSTEN NILSSON ; NILSSON TORSTEN ; WILHELMSSON LARS**Inventor(s):** HOSSAIN MAHMOOD ; BARTOSZ ; RACINE ; BALAZINSKI ; YVES ; BARTOSZ BALAZINSKI ; YVES RACINE ; MAHMOOD HOSSAIN**Agent(s):** NICOLAESCU SAWYER; ERICSSON CANADA PATENT GROUP; HARNECKER; SMITH AND DANAMRAJ PC**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW**2) Family number: 28130966 (US2001009544A)**

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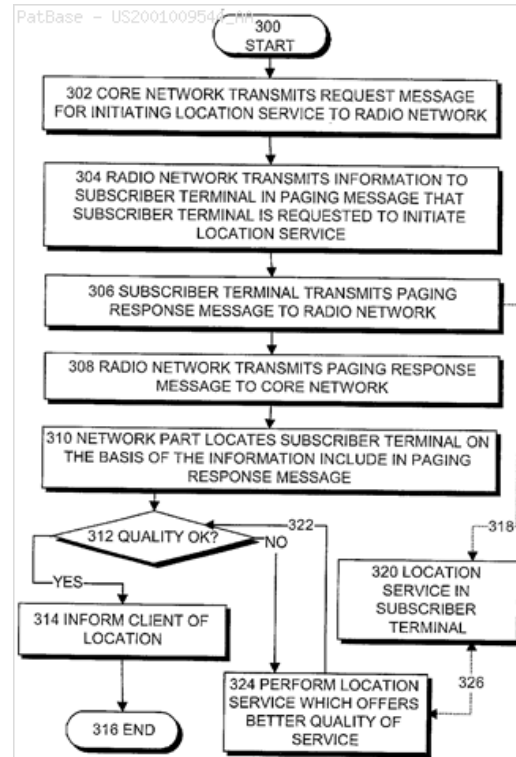
Title: LOCATION OF SUBSCRIBER TERMINAL IN PACKET-SWITCHED RADIO SYSTEM

Abstract: The invention relates to a packet-switched radio system and to a method of locating a subscriber terminal in a packet-switched radio system. In the method (302) the core network of the radio system transmits a location service request message to the radio network of the radio system; (304) the radio network transmits information to a subscriber terminal in a paging message that the subscriber terminal is requested to initiate the location service; (306) the subscriber terminal that received the paging message transmits a paging response message to the radio network; (308) the radio network transmits the paging response message to the core network; (310) the network part locates the subscriber terminal on the basis of the information included in the paging response message.

Classifications:**International (IPC 8-9):** H04B7/00 H04L12/66 H04Q7/20

H04W64/00 (Advanced/Invention);

H04B7/00 H04L12/66 H04W64/00 (Core/Invention)

International (IPC 1-7): H04Q7/24 H04Q7/38**CPC:** H04W64/00**European:** H04Q7/38L H04W64/00**US:** 370/310 370/338 370/338P 370/349 370/349S 370/352 370/352S 455/456.2 455/456.5**Family:**

Publication number	Publication date	Application number	Application date
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FI20000150 A0	20000126	FI20000000150	20000126
GB200216392 A0	20020821	GB20020016392	20010124

GB2376388 A1	20021211	GB20020016392	20010124
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WO0156320 A1	20010802	WO2001FI00061	20010124

Priority:

FI20000000150 20000126 WO2001FI00061 20010124

Probable Assignee: NOKIA TECHNOLOGIES OY

Assignee(s): (std): NOKIA MOBILE PHONES LTD ; VAENTTINEN VEIJO ; RUUTU VILLE ; NOKIA CORP

Assignee(s): NOKIA CORP ESPOO ; NOKIA TECHNOLOGIES OY

Inventor(s): (std): VAENTTINEN VEIJO ; RUUTU VILLE ; VANTTINEN VEIJO ; VAENTINNEN VEIJO

Inventor(s): VILLE RUUTU ; VEIJO VANTTINEN ; VEIJO VAENTTINEN

Agent(s): PERMAN AND GREEN LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

3) Family number: 28453431 (US2005007980A)

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Title: PROCEDURE PROCESSING METHOD FOR PACKET MODE LOCATING SERVICES IN A MOBILE RADIOCOMMUNICATION SYSTEM

Abstract: A procedure processing method for packet mode location services in a mobile radiocommunications cellular system, said system including entities of the base station subsystem (BSS) type, a network service entity (NSE), and a serving GPRS support mode (SGSN), in which method, in the event of an inter-NSE cell change, a current location procedure is not aborted if it can be maintained by the BSS.

Classifications:

International (IPC 8-9): H04Q7/38 H04W4/00 H04W4/02 H04W64/00

H04W76/04 H04W8/08 (Advanced/Invention);

H04W36/00 H04W76/04 H04W8/08 H04W92/14

H04W92/24 (Advanced/Non-invention);

H04W4/02 H04W64/00 (Core/Invention);

H04W36/00 H04W76/00 H04W8/02 H04W92/00 (Core/Non-invention)

International (IPC 1-7): H04J3/24 H04Q7/00 H04Q7/20 H04Q7/22 H04Q7/38

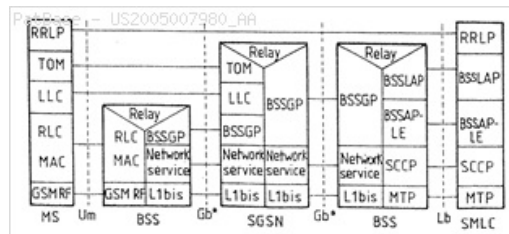
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European: H04W2/02 H04W204/02 H04W264/00 H04W32/00 H04W4/02

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T04W54/068 T04W76/04 T04W8/08 T04W92/14 T04W92/24

US: 370/331 370/331P 370/349 370/349S



Family:

Publication number	Publication date	Application number	Application date
CN100512512 C	20090708	CN20028020961	20021023
CN1575610 A	20050202	CN20028020961	20021023
DE60247735 D1	20160225	DE20026047735	20021023
EP1307061 A1	20030502	EP20020292631	20021023
EP1307061 B1	20160113	EP20020292631	20021023
ES2583781 T3	20160922	ES20020292631T	20021023
FR2831381 A1	20030425	FR20010013697	20011023
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FR2832584 A1	20030523	FR20010014889	20011116
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US2005007980 AA	20050113	US20040493535	20040422
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WO03037005 A1	20030501	WO2002FR03638	20021023

Priority:

FR20010013697 20011023 FR20010014889 20011116 EP20020292631 20021023
WO2002FR03638 20021023

Probable Assignee: EVOLIUM SAS

Assignee(s): (std): ALCATEL LUCENT ; BOURDEAUT STANISLAS ; EVOLIUM SAS ; LANDAIS BRUNO

Assignee(s): CREDIT SUISSE AG ; EVOLIUM S A S

Inventor(s): (std): LANDAIS BRUNO ; BOURDEAUT STANISLAS ; BRUNO LANDAIS ; STANISLAS BOURDEAUT

Agent(s): KNECHT MENZIETTI WETZEL; EL MANOUNI JOSIANE; CARPINTERO MARIO; ALCATEL LUCENT INT; SUGHRUE MION PLLC

Designated states: AT BE BG CH CN CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR US

4) Family number: 32203236 (US2006258369A)

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Title: METHOD AND APPARATUS FOR PERFORMING POSITION DETERMINATION WITH A SHORT CIRCUIT CALL FLOW

Abstract: For a call flow to perform position determination, a network sends to a user equipment (UE) an indication (e.g., a request for permission) to perform a position fix for the UE. The UE responds by sending to the network an acknowledgment (e.g., a grant of permission) to perform the position fix. The UE selectively sends a position estimate for itself to the network, typically along with the acknowledgment. The network may initiate location processing if (1) a location estimate is not received from the UE or (2) a location estimate is received from the UE but the network decides not to use this location estimate. In this case, the network and the UE perform location processing to obtain a position fix for the UE. However, if a location estimate is received from the UE and the network decides to use the location estimate, then the location processing is bypassed or short circuited.

Classifications:

International (IPC 8-9): G01S19/09 G01S19/46 G01S3/00 G01S5/00 G01S5/02 G08B1/08 H04B7/26 H04L12/26 H04L29/06 H04M11/00 H04M11/04 H04M3/42 H04Q H04Q7/20 H04Q7/24 H04Q7/38 H04W H04W12/06 H04W12/08 H04W24/00 H04W4/02 H04W4/021 H04W4/029 H04W60/00 H04W64/00 H04W8/04 H04W8/06 H04W8/08 H04W8/10 H04W8/16 H04W8/18 H04W80/08 H04W88/02 H04W88/18 (Advanced/Invention); H04B7/26 H04L12/26 H04L29/06 H04W12/06 H04W12/08 H04W28/04 H04W4/02 H04W64/00 H04W8/04 H04W8/06 H04W8/08 H04W8/10 H04W8/12 H04W8/18 H04W84/06 H04W88/02 H04W88/08 (Advanced/Non-invention); G01S5/00 G08B1/00 H04L12/26 H04M11/04 H04Q7/24 H04W4/02 H04W64/00 (Core/Invention); H04W28/02 H04W64/00 H04W84/02 (Core/Non-invention); H04L H04W (Subclass/Invention)

International (IPC 1-7): H04L12/26 H04L29/06 H04Q7/24

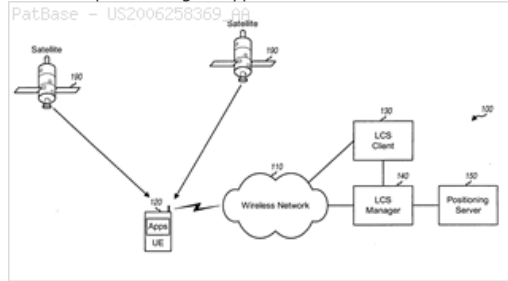
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European: G01S5/00R1A G01S5/02A H04Q7/38L H04Q7/38W H04W208/08 H04W4/02 H04W4/04 H04W60/00 H04W64/00 H04W8/08 H04W8/16 T04L63/08G T04W12/00 T04W12/06 T04W12/08 T04W208/12 T04W208/16 T04W28/04 T04W4/02 T04W4/047 T04W4/065 T04W64/00 T04W8/04 T04W8/06 T04W8/08B T04W8/10 T04W8/12 T04W8/18 T04W84/06

US: 1/1 340/539.13 340/539.130 340/539.130P 342/357.4 342/357.46 342/451 455/12.1 455/12.100S 455/404.2 455/404.200 455/432.1 455/432.2 455/432.3 455/456.1 455/456.100P 455/456.2 455/456.3 455/456.300P 455/456.4 455/456.5 455/456.6

JP F-Term: 5K067/AA14 5K067/AA21 5K067/BB04 5K067/BB21 5K067/CC08 5K067/CC10 5K067/DD11 5K067/DD20 5K067/DD24 5K067/DD51 5K067/EE02 5K067/EE10 5K067/EE16 5K067/FF02 5K067/FF03 5K067/FF05 5K067/FF06 5K067/HH22 5K067/HH23 5K067/JJ52 5K067/JJ56 5K067/JJ64 5K067/JJ53 5K067/DD27 5K067/DD57 5K067/FF32 5K067/JJ51 5K201 5K201/BC23 5K201/BC27 5K201/BD01 5K201/CC01 5K201/CC04 5K201/EA07 5K201/EA08 5K201/EB06 5K067/AA33

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Family:

Publication number	Publication date	Application number	Application date
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US20120673825 20121109

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Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

5) Family number: 50785261 (US2012063464A)

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Title: PAGING CONTROL IN COMMUNICATION NETWORKS

Abstract: This disclosure relates to a system and method for providing a mechanism control page requests sent in a wireless communication network. The paging control mechanism can be implemented in a gateway through a combination of hardware and software to determine whether packets received at a gateway trigger a page. The packets received at the gateway are intended for user equipment that is indicated to be in an idle state with no bearer connection. The paging mechanism controls paging when paging requests need to be sent. In some communication networks, page requests can be sent that are not needed because a bearer connection or link is in the process of being established. The control can be asserted by adding intelligence to the gateway to determine-on receipt of downlink data or signaling-how to proceed based on the state of the user equipment and the bearer connection.

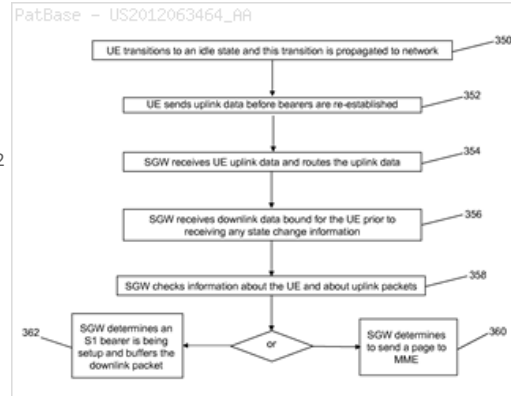
Classifications:

International (IPC 8-9): H04L12/28 H04L12/54 H04L12/56 H04W28/02 H04W72/04 (Advanced/Invention); H04W68/00 H04W76/00 H04W88/16 (Advanced/Non-invention)

CPC: H04W72/0406 H04W28/02 H04W68/00 H04W76/00 H04W88/16 H04L47/70

European: H04W28/02 T04W68/00 T04W76/00 T04W88/16

US: 1/1 370/229 370/235 370/236 370/329 370/351 370/395.1 370/395.2 370/395.21 370/401 370/401P



Family:

Publication number	Publication date	Application number	Application date
US2012063464 AA	20120315	US20100882402	20100915
US2013343309 AA	20131226	US20130972011	20130821
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Priority:

US20100882402 20100915 US20130972011 20130821

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Inventor(s): (std): MEHTA PRATIK

Agent(s): WILMER CUTLER PICKERING HALE AND DORR LLP; PATENT CAPITAL GROUP

6) Family number: 62460036 (US2016150574A)

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Abstract: Methods and apparatuses for supporting location and emergency calls for an over-the-top (OTT) service provider are disclosed. A UE may send a request for an emergency call to an OTT service provider and may include in the request mobile network operator (MNO) data for a serving MNO for the UE. The OTT service provider may forward the emergency call request to an Internet Protocol (IP) Multimedia Subsystem (IMS). The IMS may determine routing information for the emergency call and either return the routing information to the OTT service provider to enable the OTT service provider to route the emergency call to a public safety answering point (PSAP) or may route the emergency call itself to the PSAP. The call request routed by the IMS or by the OTT service provider may include a reference identifier that may enable the PSAP to obtain a location for the UE from the IMS.

Classifications:

International (IPC 8-9): H04L29/06 H04L29/08 H04L29/12 H04M11/04 H04W12/08 H04W4/02 H04W4/22 H04W4/90 H04W48/18 H04W60/02 H04W64/00 H04W76/00 H04W76/50 (Advanced/Invention); H04W36/12 H04W48/18 H04W60/04 (Advanced/Non-invention)

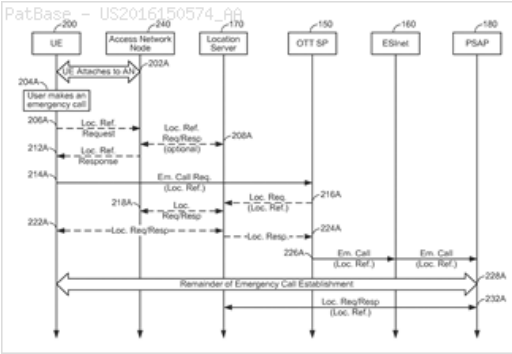
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US: 1/1 455/404.2

JP F-Term: 5K067 5K067/AA21 5K067/DD11 5K067/EE02 5K067/EE10 5K067/EE16 5K067/JJ20 5K201 5K201/BA03 5K201/CB06 5K201/CC04 5K201/CD09 5K201/DA01 5K201/EA05 5K201/EA07 5K201/EC07 5K067/AA34 5K067/DD57

JP F-Index: H04M11/04 H04W4/22 H04W4/90 H04W76/50 H04W64/00/173



Family:

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