

Diego Gonzalez Castillo

1) Family number: 74024088 (US2019116517 AA)

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Title: UE SESSION MANAGEMENT QOS CAPABILITY NEGOTIATION AND QOS CONTROL REALIZATION

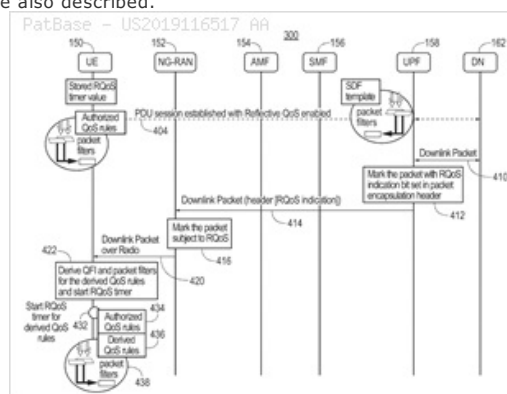
Abstract: In some example embodiments, there may be provided a method that includes forming, by a user equipment, a session establishment message including an indication of at least one session management capability supported by the user equipment; sending, by the user equipment, the session establishment message including the indication towards a session management function; and receiving, by the user equipment and from the session management function, a response indicative of whether the session management function and/or a corresponding network supports the at least one session management capability to enable the user equipment to operate in accordance with the at least one session management capability. Related systems, methods, and articles of manufacture are also described.

Classifications:

International (IPC 8-9): H04L12/851 H04L29/06 H04L29/08
H04W28/02 H04W28/24 H04W76/10 H04W8/24

CPC: H04L47/24 H04L65/1069 H04L67/14 H04L67/322 H04W28/0268
H04W28/24 H04W76/10 H04W8/24

US: 1/1



Family:

Publication number	Publication date	Application number	Application date
AU2018350102 AA	20200507	AU20180350102	20181011
BR112020007333 A2	20201006	BR20201107333	20181011
CA3078656 AA	20200407	CA20183078656	20181011
CL2020000956 A1	20200821	CL20200000956	20200409
CN111373717 A	20200703	CN201880066514	20181011
CO20200004832 A2	20200515	CO20200004832	20200420
EP3652921 A1	20200520	EP20180789345	20181011
IN202047019853 A	20200710	IN202047019853	20200511
KR20200083988 A	20200709	KR20207013672	20181011
US2019116517 AA	20190418	US20180157800	20181011
WO19072952 A1	20190418	WO2018EP77699	20181011

Priority:

US20170572291P 20171013

WO2018EP77699 20181011

US20180157800 20181011

Probable Assignee: NOKIA TECHNOLOGIES OY

Assignee(s): (std): NOKIA TECHNOLOGIES OY

Assignee(s): LIU JENNIFER

Inventor(s): (std): JENNIFER LIU ; LIU JENNIFER

Agent(s): BERTHIER KARINE; MARKS AND CLERK; PCM ABOGADOS LIMITADA; SAMSON AND PARTNER
PATENTANWALTE MBB; SPRUSON AND FERGUSON

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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME
MG MK ML MN MR MT MW MX MY MZ NA NE 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

2) Family number: 56393037 (US2014128075 AA)

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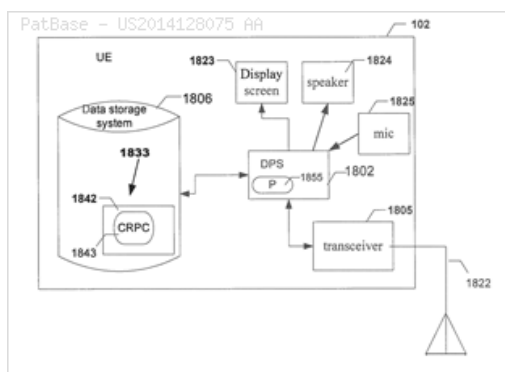
Title: METHODS FOR COORDINATING INTER-RAT MOBILITY SETTINGS

Abstract: A system, method, and apparatus are presented for coordinating handover. A first controller that is associated with a first RAN cell determines a first handover parameter value that is for use in determining whether to cause handover from the first RAN cell to a second RAN cell having a different RAT. The first controller transmits, to a second controller associated with the second RAN cell, information relating to the first handover parameter value. The first controller further transmits, to the second controller, a value of a QoS parameter or a UE capability parameter associated with the information. The first controller receives, from the second controller, an indication of whether the second controller has adjusted a second handover parameter value based on the transmitted information, where the second handover parameter value is for use in determining whether to cause handover from the second RAN cell to the first RAN cell.

Classifications:

International (IPC 8-9): H04W36/00 H04W36/14 H04W36/30

H04W36/38 H04W92/24
CPC: H04W36/0066 H04W36/0083 H04W36/14 H04W36/30
US: 1/1 455/436



Family:

Publication number	Publication date	Application number	Application date
CN105144782 A	20151209	CN201380069248	20131101
CN105144782 B	20190813	CN201380069248	20131101
DE602013013059 D1	20161201	DE201360013059T	20131101
EP2915365 A1	20150909	EP20130794997	20131101
EP2915365 B1	20161019	EP20130794997	20131101
JP2015537458 T2	20151224	JP20150540254T	20131101
JP6214667 B2	20171018	JP20150540254T	20131101
RU2600456 C1	20161020	RU20150120743	20131101
US2014128075 AA	20140508	US20130069704	20131101
US9344945 BB	20160517	US20130069704	20131101
WO14068525 A1	20140508	WO20131B59844	20131101

Priority:

US20120721586P 20121102 WO20131B59844 20131101 EP20130794997 20131101
 US20130069704 20131101

Probable Assignee: TELEFONAKTIEBOLAGET L M ERICSSON PUBL

Assignee(s): (std): ERICSSON TELEFON AB L M ; TELEFONAKTIEBOLAGET L M ERIKSSON PABL

Assignee(s): TELEFONAKTIEBOLAGET L M ERICSSON PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON

Inventor(s): (std): CENTONZA ANGELO ; CHENTONTSA ANDZHELO ; DA SILVA ICARO L J ; GUNNARSSON FREDRIK ; SILVA ICARO L J DA ; SILVA IKARO L J DA

Agent(s): CASON TODD ET AL; MARKS AND CLERK LUXEMBOURG LLP; REES SIMON JOHN LEWIS; ROTHWELL FIGG ERNST AND MANBECK PC

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 MZ NA NE 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

3) Family number: 78292656 (WO20069757 A1)

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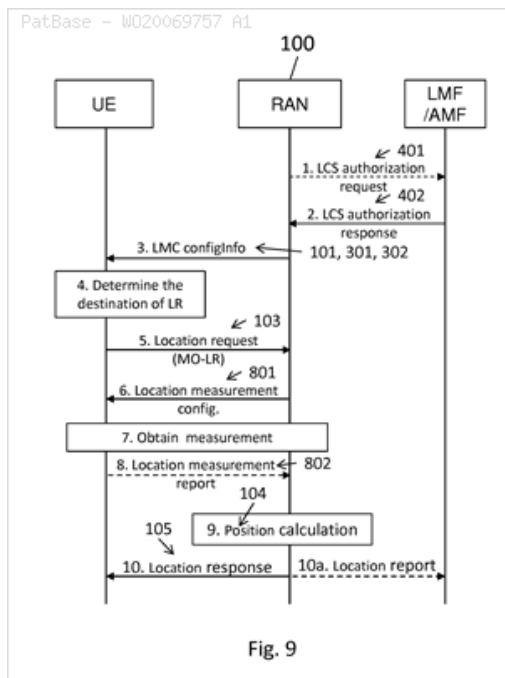
Title: LOCATION MANAGEMENT COMPONENT AND METHOD FOR A MOBILE COMMUNICATION NETWORK

Abstract: The present invention relates to determining a position of a mobile device in a mobile communication network. The present invention in particular relates to a hierarchical location service (LCS), preferably in 5G new radio (NR). The present invention therefore provides a location management component (LMC) (100) for a mobile communication network. The LMC (100) is configured to provide LMC configuration information (101), obtain privacy information (102) relating to at least one user equipment (UE), obtain a location request (103) according to the LMC configuration information (101), determine a position (104) of the at least one UE, based on the privacy information (102) and the location request (103), and provide a location response (105) comprising the determined position (104).

Classifications:

International (IPC 8-9): H04W64/00

CPC: G01S2205/008 G01S2205/01 G01S5/0036 G01S5/0054
 G01S5/0236 H04W12/00503 H04W12/02 H04W4/02 H04W48/12
 H04W64/00



Family:

Publication number	Publication date	Application number	Application date
WO20069757 A1	20200409	WO2018EP77196	20181005

Priority:

WO2018EP77196 20181005

Probable Assignee: HUAWEI TECHNOLOGIES CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD ; WANG QI

Assignee(s): HUAWEI TECHNOLOGIES CO ; HUAWEI TECHNOLOGIES CO LTD

Inventor(s): (std): BULAKCI OEMER ; PATEROMICHELAKIS EMMANOUIL ; WANG QI

Agent(s): KREUZ GEORG

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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

4) Family number: 57224828 (US2014233386 AA)

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Title: METHOD AND SYSTEM FOR OFFLOADING HANDOVER OF WIRELESS CONNECTIONS FROM A LTE NETWORK TO A WI-FI NETWORK

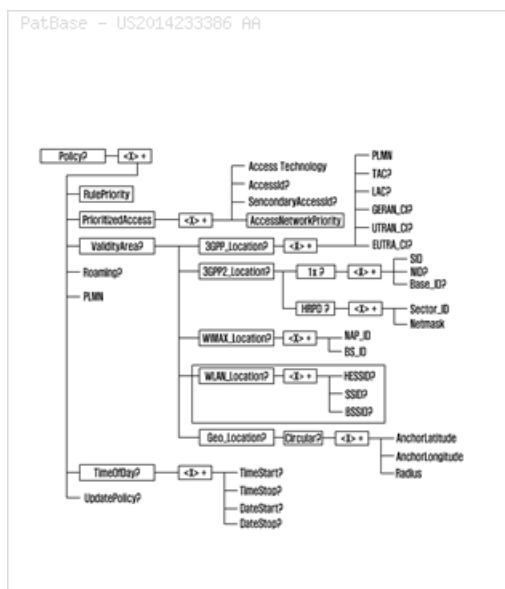
Abstract: The various embodiments herein provide a method and system for providing network offloading in a wireless communication. The method comprising includes obtaining an Access Technology Selection Policy (ATSP) from at least one of Access Network Discovery and Selection Function (ANDSF), pre-configuration and Mobile Management Entity (MME), wherein the ATSP comprises of a plurality of radio access network selection criteria assistance default threshold values; modifying the ANDSF ATSP threshold values based on at least one of the radio characteristics and load conditions of the Radio Access Network (RAN) node by the RAN node; sending the modified ATSP threshold values to the UE; updating the ANDSF policy with the modified ATSP threshold values by the UE and determining offloading of the UE from a first radio access network to a second radio access network by the UE.

Classifications:

International (IPC 8-9): H04W28/08 H04W36/14 H04W36/22 H04W48/00 H04W48/16 H04W48/18

CPC: H04W36/14 H04W36/22 H04W48/16 H04W48/18

US: 1/1 370/235



Family:

Publication number	Publication date	Application number	Application date
EP2957130 A1	20151223	EP20140751705	20140218
EP2957130 A4	20160629	EP20140751705	20140218
EP2957130 B1	20200401	EP20140751705	20140218
IN00711CH2013 A	20150123	IN2013CH00711	20130218
KR20150120485 A	20151027	KR20157025817	20140218
US2014233386 AA	20140821	US20140182959	20140218
US9661544 BB	20170523	US20140182959	20140218
WO14126440 A1	20140821	WO2014KR01288	20140218

Priority:

IN2013CH00711 20130218 IN2013CH05046 20131108 IN2013CH00711 20140214
WO2014KR01288 20140218

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO ; SAMSUNG INDIA SOFTWARE OPERATIONS PRIVATE LTD

Inventor(s): (std): JAMADAGNI SATISH NANJUNDA SWAMY ; RAJADURAI RAJAVELSAMY

Agent(s): FARRELL LAW FIRM PC ; NEDERLANDSCH OCTROOIBUREAU; YOON DONG YOL

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 MZ NA NE 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

5) Family number: 62731653 (US2016183230 AA)

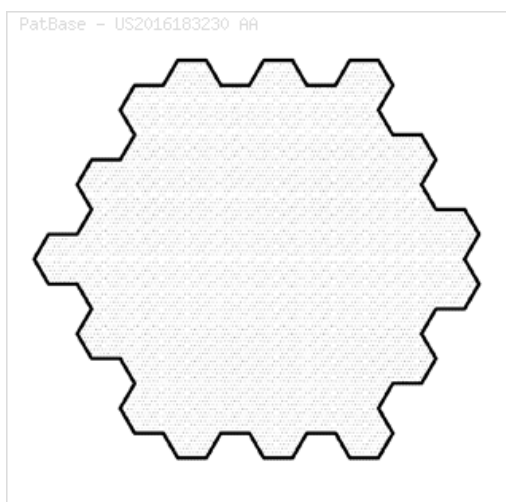
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Title: RADIO RESOURCE MANAGEMENT APPARATUS OF BASE STATION IN MOBILE COMMUNICATION SYSTEM AND METHOD OF MANAGING THE SAME

Abstract: A base station of a mobile communication system divides an ultra wideband into a plurality of unit bands, uses a plurality of beam component carriers corresponding to the L3 CP dedicated unit band as a coverage layer by grouping in one cell in the L3 CP dedicated unit band and uses a plurality of beam component carriers corresponding to the UP dedicated unit band in the UP dedicated unit band as a plurality of capacitor layers by grouping in a plurality of cells of a smaller size than that of the grouping.

Classifications:

International (ipc 8-9): H04W16/02 H04W16/32 H04W28/16 H04W72/00 H04W72/04 H04W72/08 H04W76/02 H04W88/08
CPC: H04B7/0617 H04L5/001 H04L5/0098 H04W16/02 H04W16/28 H04W72/087 H04W76/10 H04W88/08 H04W16/32 H04W28/16 H04W72/00
US: 1/1 455/452.1 455/452.2 455/561

**Family:**

Publication number	Publication date	Application number	Application date
KR101807814 B1	20171212	KR20140184920	20141219
KR20160075994 A	20160630	KR20140184920	20141219
US2016183230 AA	20160623	US20150686745	20150414
US9609672 BB	20170328	US20150686745	20150414

Priority:

KR20140184920 20141219

Probable Assignee: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Assignee(s): (std): ELECTRONICS AND TELECOMMUNICATIONS RES INST ; ELECTRONICS AND TELECOMMUNICATIONS RES INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST KOREA ; KOREA ELECTRONICS TELECOMM

Assignee(s): ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE

Inventor(s): (std): CHOI YONG SEOUK ; KIM JUN SIK ; KIM KYUNG SOOK ; KWON DONG SEUNG ; OH SANG CHUL ; PARK SOON GI ; SONG PYEONG JUNG

Agent(s): RABIN AND BERDO PC

Title: A METHOD AND DEVICE FOR SELECTING NETWORK BY THE USER EQUIPMENT

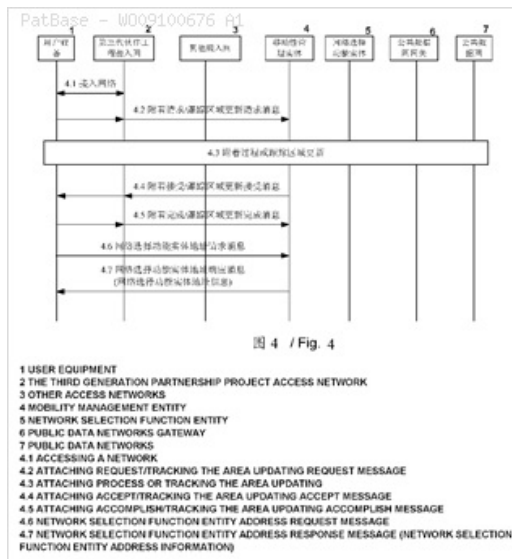
Abstract: A method and device for selecting network by the user equipment are provided. The method includes: a connection is established between the user equipment and the network side, the user equipment receives a network selection information supplied by the network side, and carries out the network selection according to the network selection information and the network selection information stored in the itself, and optionally, the user equipment receives a network selection information and a forced network selection instruction supplied by the network side, selects a network indicated by the forced network selection instruction to access according to the network selection information, and the network selection information is the whole or part of the available networks of the user equipment on the current position. A user apparatus and a network selection function apparatus are also provided by the present invention. By application of the method of the selection network that provided by the present invention, the network can control the scope of the access network selected by the user equipment.

Classifications:

International (IPC 8-9): H04W36/14 H04W48/18 H04W76/00

International (IPC 1-7): H04W36/14

CPC: H04W48/18



Family:

Publication number	Publication date	Application number	Application date
CN101505524 A	20090812	CN200810065361	20080205
CN101505524 B	20111116	CN200810065361	20080205
EP2237610 A1	20101006	EP20090711513	20090205
EP2237610 A4	20110706	EP20090711513	20090205
IN03078KN2010 A	20101029	IN2010KN03078	20100819
WO09100676 A1	20090820	WO2009CN70365	20090205

Priority:

CN200810065361 20080205 WO2009CN70365 20090205

Probable Assignee: HUAWEI TECHNOLOGIES CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD ; WANG HAINING ; ZHANG PENG

Assignee(s): HUAWEI TECHNOLOGIES CO ; HUAWEI TECHNOLOGIES CO LID ; HUAWEI TECHNOLOGIES CO LTD

Inventor(s): (std): HAINING WANG ; PENG ZHANG ; WANG HAINING ; ZHANG PENG

Agent(s): BEIJING ZBSD PATENT AND TRADEMARK AGENT LTD; KREUZ GEORG MARIA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SYSTEM AND METHOD FOR SEAMLESS MOBILITY IN A NETWORK ENVIRONMENT

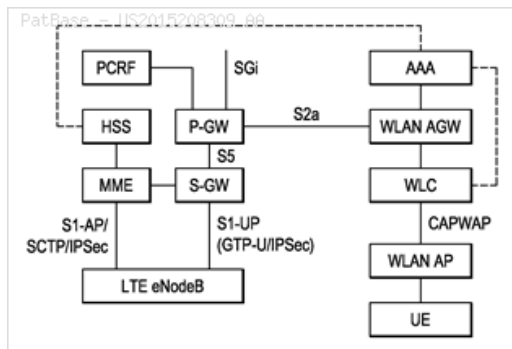
Abstract: In one example embodiment, an apparatus is provided that includes an antenna that receives, in a first wireless network, a first identifier of a second wireless network access point. The apparatus also includes a processor that processes data received by the antenna. The apparatus transmits, in the first wireless network, the first identifier of the second wireless network access point. The apparatus establishes a tunnel to the second wireless network. The antenna transmits a second identifier of the second wireless network access point.

Classifications:

International (IPC 8-9): H04B17/318 H04L29/06 H04W12/06 H04W36/00 H04W36/14 H04W36/18 H04W4/00 H04W84/04 H04W84/12 H04W88/06

CPC: H04B17/318 H04L63/0272 H04L63/029 H04L63/08 H04W12/06 H04W12/0602 H04W36/0044 H04W36/0061 H04W36/0066 H04W36/14 H04W84/042 H04W84/12 H04W88/06

US: 1/1 370/331 455/426.1 455/552.1 726/7



Family:

Publication number	Publication date	Application number	Application date
CN104796954 A	20150722	CN201510028274	20150120
CN104796954 B	20180928	CN201510028274	20150120
CN104796955 A	20150722	CN201510028819	20150120
CN104796955 B	20190510	CN201510028819	20150120
DE602015003790 D1	20170914	DE201560003790T	20150116
EP2925055 A1	20150930	EP20150151524	20150116
EP2925055 B1	20170802	EP20150151524	20150116
EP3253121 A1	20171206	EP20170182358	20150116
EP3253121 B1	20200930	EP20170182358	20150116
US2015208309 AA	20150723	US20140160127	20140121
US9420503 BB	20160816	US20140160127	20140121
US2015208310 AA	20150723	US20140175674	20140207
US9763147 BB	20170912	US20140175674	20140207
US10440619 BB	20191008	US20160222465	20160728
US2016337912 AA	20161117	US20160222465	20160728
US10321365 BB	20190611	US20170673866	20170810
US2017367016 AA	20171221	US20170673866	20170810

Priority:

US20140160127 20140121 US20140175674 20140207 EP20150151524 20150116
US20160222465 20160728 US20170673866 20170810

Probable Assignee: CISCO SYSTEMS INC

Assignee(s): (std): CISCO SYSTEMS INC ; CISCO TECH INC

Assignee(s): CISCO TECHNOLOGY INC ; CISCO TECHNOLOGY INC SAN JOSE

Inventor(s): (std): GRAYSON MARK ; TANEJA MUKESH

Inventor(s): GRAYSON MARK BERKSHIRE

Agent(s): CLARK JANE ANNE; HIBBERT JULIET JANE GRACE; PATENT CAPITAL GROUP; PATTERSON AND SHERIDAN LLP

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

8) Family number: 54184535 (US2015087233 AA)

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Title: USER EQUIPMENT-INITIATED CONTROL METHOD AND APPARATUS FOR PROVIDING PROXIMITY SERVICE

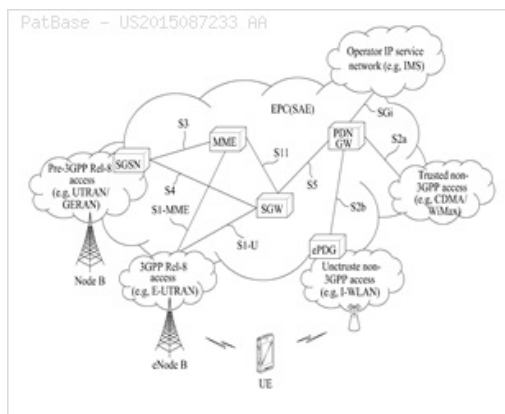
Abstract: The present invention relates to a wireless communication system. More particularly, disclosed are a UE-initiated control method and apparatus for providing a proximity service. A method in which first user equipment of a wireless communication system performs a proximity service (ProSe) according to one embodiment of the present invention comprises: a step in which the first user equipment detects second user equipment with which the ProSe can be performed; a step of transmitting a message requesting for a permission of ProSe to a network node; a step of receiving a response to the request for a permission of ProSe from the network node; and a step of setting up a direct data path to the second user equipment.

Classifications:

International (IPC 8-9): H04B7/26 H04W4/00 H04W48/16
H04W76/02 H04W92/18

CPC: H04W4/80 H04W76/14 H04W48/16 H04W76/10 H04W92/18

US: 455/41.2 1/1

**Family:**

Publication number	Publication date	Application number	Application date
KR101549029 B1	20150911	KR20147016018	20121220
KR20140106561 A	20140903	KR20147016018	20121220
US2015087233 AA	20150326	US20120365076	20121220
US9648653 BB	20170509	US20120365076	20121220
WO13095001 A1	20130627	WO2012KR11160	20121220

Priority:

US20110577667P 20111220 US20120582411P 20120102 US20120696806P 20120905
WO2012KR11160 20121220 US20120365076 20121220

Probable Assignee: LG ELECTRONICS

Assignee(s): (std): LG ELECTRONICS ; LG ELECTRONICS INC

Inventor(s): (std): KIM HYUN SOOK ; KIM JAE HYUN ; KIM LAE YOUNG ; KIM TAE HYEON

Agent(s): KIM YONG IN ET AL; LEE HONG DEGERMAN KANG WAIMEY

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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR

9) Family number: 54184539 (US2014335906 AA)

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Title: NETWORK-INITIATED CONTROL METHOD AND APPARATUS FOR PROVIDING PROXIMITY SERVICE

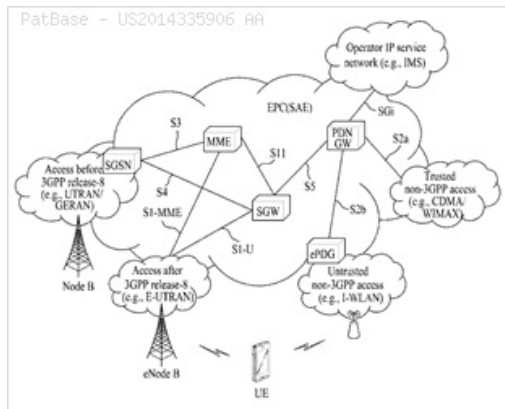
Abstract: The present invention relates to a wireless communication system. More particularly, disclosed are a network-initiated control method and an apparatus for providing a proximity service (ProSe). A method for supporting ProSe between a plurality of terminals at a network node of a wireless communication system according to one embodiment of the present invention comprises: a step of acquiring base ProSe information from one or more of the plurality of terminals or from one or more of other network nodes; a step of allowing the network node to detect whether ProSe is enabled between the plurality of terminals based on the acquired base ProSe information; and a step of transmitting information indicating whether ProSe is allowed or not to one or more of the plurality of terminals.

Classifications:

International (IPC 8-9): H04B7/00 H04B7/26 H04L12/803
H04W12/06 H04W28/02 H04W4/00 H04W4/02 H04W40/24
H04W76/02 H04W8/00

CPC: H04L47/122 H04W12/06 H04W28/0226 H04W4/023 H04W4/80
H04W40/246 H04W76/14 H04W8/005

US: 1/1 455/41.2 455/509



Family:

Publication number	Publication date	Application number	Application date
CN104012012 A	20140827	CN201280062550	20121220
US2014335906 AA	20141113	US20120361261	20121220
US9380623 BB	20160628	US20120361261	20121220
US2016286354 AA	20160929	US20160170776	20160601
US9813865 BB	20171107	US20160170776	20160601
WO13095000 A1	20130627	WO2012KR11159	20121220

Priority:

US20110577668P 20111220	US20120582412P 20120102	US20120586845P 20120116
WO2012KR11159 20121220	US20120361261 20121220	US20140361261 20140528
US20160170776 20160601		

Probable Assignee: LG ELECTRONICS

Assignee(s): (std): LG ELECTRONICS ; LG ELECTRONICS INC

Inventor(s): (std): KIM HYUN SOOK ; KIM JAEH YUN ; KIM LAE YOUNG ; KIM TAE HYEON

Agent(s): JONATHAN; KIM YONG IN ET AL; LEE HONG DEGERMAN KANG AND WAIMEY; RICHARD

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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW 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

10) Family number: 56144900 (US2015264631 AA)

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Title: LOCAL BEARER MANAGEMENT METHOD AND DEVICE

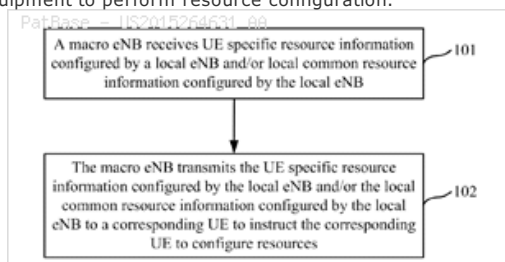
Abstract: Disclosed are a local bearer management method and device. The method comprises: a macro base station receiving user dedicated resource information configured by a local base station and/or local public resource information configured by the local base station; and the macro base station sending to a corresponding user equipment the user dedicated resource information configured by the local base station and/or the local public resource information configured by the local base station, so as to indicate the corresponding user equipment to perform resource configuration.

Classifications:

International (IPC 8-9): H04W48/08 H04W72/04 H04W72/08
H04W76/02 H04W76/04

CPC: H04W48/08 H04W72/0413 H04W72/042 H04W76/22
H04W84/045

US: 370/329



Family:

Publication number	Publication date	Application number	Application date
CN103716885 A	20140409	CN201210370992	20120928
CN103716885 B	20170929	CN201210370992	20120928
EP2903348 A1	20150805	EP20130840604	20130913

EP2903348 A4	20160120	EP20130840604	20130913
US2015264631 AA	20150917	US20130432473	20130913
WO14048256 A1	20140403	WO2013C N083436	20130913

Priority:

CN201210370992 20120928 WO2013CN083436 20130913

Probable Assignee: CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY

Assignee(s): (std): CHINA ACADEMY OF TELECOMM TECH ; TELECOM SCIENCE AND TECHNOLOGY INST

Assignee(s): CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY

Inventor(s): (std): FU ZHE ; ZHANG DAJUN ; ZHAO YALI

Agent(s): DEQI INTELLECTUAL PROPERTY LAW CORP; NONY

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 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 MZ NA NE 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

11) Family number: 62995376 (US2016219648 AA)

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Title: USER EQUIPMENT HAVING A MULTIPLE SUBSCRIBER IDENTITY MODULE CAPABILITY UNDERSTOOD BY ONE OR MORE NETWORKS

Abstract: A user equipment (UE) may determine a capability of the UE to support multiple subscriber identity modules (SIMs). The multiple SIMs may enable the UE to communicate with multiple network nodes. The UE may notify at least one network node of the multiple network nodes of the multiple SIM capability of the UE.

Classifications:

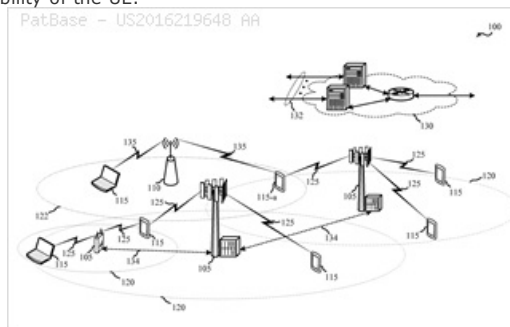
International (IPC 8-9): G06F15/16 H04W72/04 H04W72/12

H04W8/20 H04W8/22 H04W88/06

CPC: H04W60/005 H04W72/1215 H04W8/183 H04W8/24 H04W8/26

H04W88/06

US: 1/1 455/552.1



Family:

Publication number	Publication date	Application number	Application date
US2016219648 AA	20160728	US20150603715	20150123
US9474105 BB	20161018	US20150603715	20150123
WO16118248 A1	20160728	WO2015US65320	20151211

Priority:

US20150603715 20150123

Probable Assignee: QUALCOMM INC

Assignee(s): (std): QUALCOMM INC

Inventor(s): (std): AWONIYI OTERI OLUFUNMILOLA ; CHAKRABORTY KAUSHIK ; DAS SOUMYA

Agent(s): ANDERSON THOMAS D; HOLLAND AND HART LLP

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 LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

12) Family number: 44670382 (US2010178941 AA)

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Title: PAGING INFORMATION TRANSMISSION METHOD FOR EFFECTIVE CALL SETUP

Abstract: Disclosed is the method for transmitting paging information in wireless communication system, a core network transmits a paging message including call related information and/or terminal related information, at least one of a network or terminal performs a next operation based on the paging message, thereby effectively minimizing call setup time

Classifications:

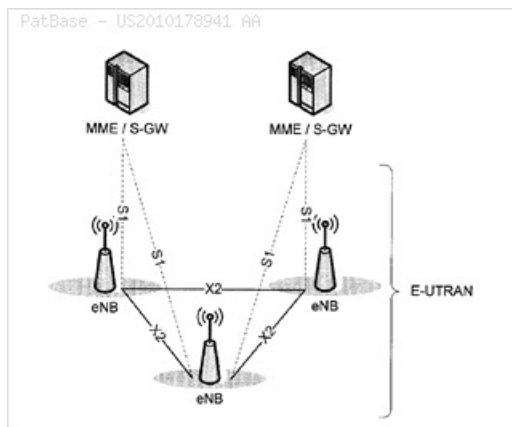
International (IPC 8-9): H04B7/26 H04L1/18 H04W48/08 H04W68/00

H04W88/02

CPC: H04L1/1832 H04L1/1848 H04L1/1854 H04W28/06 H04W48/08

H04W68/00 H04W76/10 H04W80/02

US: 455/458 455/458P



Family:

Publication number	Publication date	Application number	Application date
EP2168263 A2	20100331	EP20080766426	20080618
EP2168263 A4	20131225	EP20080766426	20080618
EP2168263 B1	20180418	EP20080766426	20080618
US2010178941 AA	20100715	US20080602762	20080618
US8463300 BB	20130611	US20080602762	20080618

Priority:

US20070944785P 20070618 WO2008KR03465 20080618 KR20080057279 20080618
US20080602762 20080618

Probable Assignee: LG ELECTRONICS

Assignee(s): (std): CHUN SUNG DUCK ; LEE YOUNG DAE ; LG ELECTRONICS ; LG ELECTRONICS INC ; PARK SUNG JUN ; YI SEUNG JUNE

Inventor(s): (std): CHUN SUNG DUCK ; LEE YOUNG DAE ; PARK SUNG JUN ; YI SEUNG JUNE

Agent(s): KATERLE AXEL; LEE HONG DEGERMAN KANG AND WAIMEY

Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK TR

13) Family number: 80421198 (US2020260515 AA)

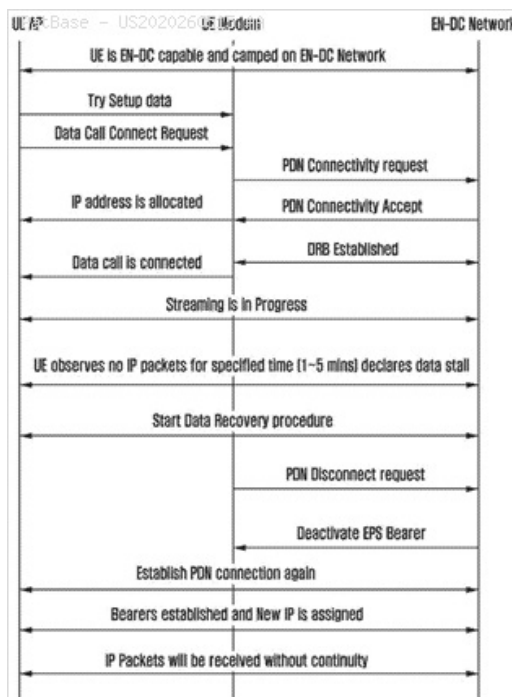
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Title: METHODS AND SYSTEMS FOR MANAGING BEARER CONFIGURATION OF USER EQUIPMENT WITH EN-DC CAPABILITY

Abstract: The present disclosure relates to a communication method and system for converging a 5th-Generation (5G) communication system for supporting higher data rates beyond a 4th-Generation (4G) system with a technology for Internet of Things (IoT). The present disclosure may be applied to intelligent services based on the 5G communication technology and the IoT-related technology, such as smart home, smart building, smart city, smart car, connected car, health care, digital education, smart retail, security and safety services. Methods and systems for managing bearer configuration of user equipment (UE) with Evolved-Universal Terrestrial Radio Access Network-New Radio-Dual Connectivity (E-UTRAN-NR-DC) (EN-DC) capability. The UE detects connectivity issues in the UE itself and in interfaces connecting between a NR network with the UE, a LTE network, or an EPC that require disabling NR capability of the UE. The bearer configuration is determined and updated based on the detected connectivity issues. The UE signals the LTE network about the disabling of NR capability, requests enabling of data transfer through bearers of a MCG bearers associated with the LTE network in a current MCG RRC session, and prevents addition of SCG bearers associated with the NR network. The UE recovers data in the SCG bearers, lost due the issues in the NR network, through the MCG bearers. The UE can send a Tracking Area Update (TAU) to indicate the disabling of NR capability if the connectivity issues persist.

Classifications:

International (IPC 8-9): H04L5/00 H04W24/08 H04W24/10 H04W36/00 H04W36/24 H04W36/28 H04W52/02 H04W76/15 H04W76/16 H04W76/18 H04W76/19 H04W76/25 H04W76/27 H04W76/30 H04W8/24 H04W80/08 H04W88/06
CPC: H04L5/001 H04L5/0035 H04L5/0055 H04W24/10 H04W52/0274 H04W60/04 H04W76/15 H04W76/16 H04W76/19 H04W76/27 H04W8/24 H04W80/08 H04W84/20



Family:

Publication number	Publication date	Application number	Application date
IN201941005541 A	20200814	IN201941005541	20190212
US2020260515 AA	20200813	US20200787746	20200211
WO20166948 A1	20200820	WO2020KR01927	20200211

Priority:

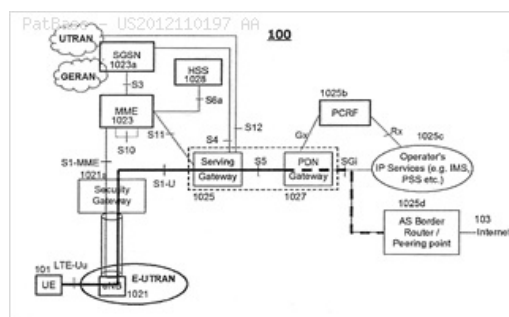
IN201941005541 20190212 IN201941005541 20200103

Probable Assignee: SAMSUNG ELECTRONICS CO LTD**Assignee(s):** (std): SAMSUNG ELECTRONICS CO LTD**Assignee(s):** SAMSUNG ELECTRONICS CO**Inventor(s):** (std): GUHA SHOUVIK ; HASHMI DANISH EHSAN ; RAMPPELLI SATHEESH KUMAR ; SATYAGANAPATI PRATIBHA KATTEMANE ; SEN ARIJIT ; VUPPALA RAMESH CHANDRA**Inventor(s):** ARIJIT SEN ; DANISH EHSAN HASHMI ; PRATIBHA KATTEMANE SATYAGANAPATI ; RAMESH CHANDRA VUPPALA ; SATHEESH KUMAR RAMPPELLI ; SHOUVIK GUHA**Agent(s):** YOON AND LEE INT PATENT AND LAW FIRM**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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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 WS ZA ZM ZW**14) Family number: 50906196 (US2012110197 AA)**

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Title: TECHNIQUE FOR RELOCATING A SERVING GATEWAY ASSOCIATED TO A USER EQUIPMENT

Abstract: A technique for relocating a Serving Gateway associated to a User Equipment is described. One method implementation of this technique is performed in a Mobility Management Entity, MME, and comprises the steps of a) triggering, from the MME, a relocation of a source SGW to a target SGW by sending a Create Session Request message to the target SGW, b) receiving, from the target SGW, a Create Session Response message including S1 General Packet Radio Service, GPRS, Tunneling Protocol, GTP, endpoints of the target SGW, c) updating, from the MME to an Evolved NodeB, eNB, an Internet Protocol, IP, address and a Tunnel Endpoint Identifier, TEID, of the target SGW, and d) sending, from the MME to the source SGW, a Delete Session Request to delete a session.

Classifications:**International (IPC 8-9):** G06F15/16 H04W28/02 H04W36/12 H04W8/00**CPC:** H04M15/70 H04M15/74 H04W36/12 H04W76/22**US:** 370/328 370/329 370/401 709/228 709/228P**Family:**

Publication number	Publication date	Application number	Application date
DE602011033855 D1	20170209	DE201160033855T	20110812
DK2622908 T3	20170306	DK20110754830T	20110812
EP2622908 A1	20130807	EP20110754830	20110812
EP2622908 B1	20161228	EP20110754830	20110812
ES2620753 T3	20170629	ES20110754830T	20110812
PT2622908 T	20170223	PT20110754830T	20110812
TR201703470 T4	20170421	TR20170003470T	20110812
US2012110197 AA	20120503	US20110258363	20110812
US8578035 BB	20131105	US20110258363	20110812
WO12041420 A1	20120405	WO2011EP04078	20110812
WO12041420 A8	20120726	WO2011EP04078	20110812

Priority:US20100386611P 20100927 EP20110754830 20110812 WO2011EP04078 20110812
US20110258363 20110812**Probable Assignee:** TELEFONAKTIEBOLAGET LM ERICSSON PUBL**Assignee(s):** (std): ARVIDSSON AAKE ; ERICSSON TELEFON AB L M ; ERICSSON TELEFON AB L M PUBL ; MIHALY ATTILA ; MIKLOS GYOERGY ; RUNE JOHAN ; TELEFONAKTIEBOLAGET L ; TELEFONAKTIEBOLAGET LM ERICSSON PUBL**Assignee(s):** ARVIDSSON ÅKE ; TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)**Inventor(s):** (std): ÅKE ARVIDSSON ; ARVIDSSON AAKE ; ARVIDSSON ÅKE ; ATTILA MIHALY ; GYOERGY MIKLOS ; MIHALY ATTILA ; MIKLA S GYOERGY ; MIKLOS GYOERGY ; RUNE JOHAN**Inventor(s):** ARVIDSSON ÅKE ; ARVIDSSON, Åke ; JOHAN RUNE**Agent(s):** BURCHARDI THOMAS DIPL ING UNIV; DE ELZABURU ALBERTO; ERICSSON; HALISE BETUEL ATABAY VARLIK; NIXON AND VANDERHYP; ROETHINGER RAINER; WUESTHOFF AND WUESTHOFF**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU 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

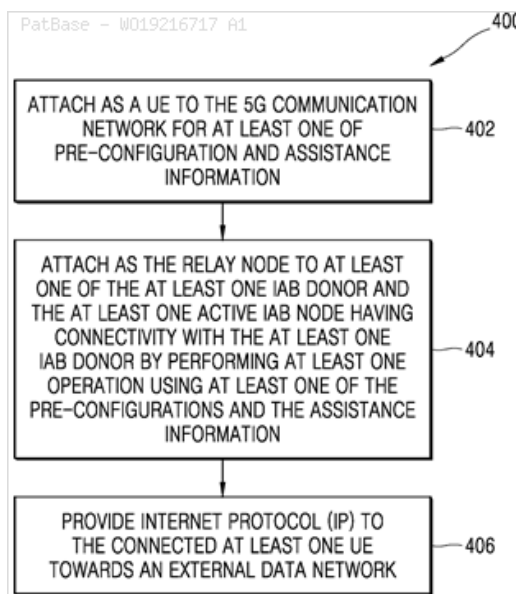
Title: METHOD AND APPARATUS FOR PERFORMING COMMUNICATION IN WIRELESS COMMUNICATION SYSTEM

Abstract: Provided are methods and apparatuses for performing a communication in a wireless communication system. An IAB node of performing a communication, according to an embodiment, includes a transceiver and a processor coupled with the transceiver and configured to perform an authentication and a setup of an IP connectivity with an OAM (operations, administration and maintenance) server, in response to an architecture in which a DU (distribution unit) and a CU (central unit) are splitted, establish a F1 interface between a DU of the IAB node and a CU of an IAB doner, and provide a service to a UE based on a result of the establishment.

Classifications:

International (IPC 8-9): G06F9/00 H04W40/22 H04W76/10
H04W88/08 H04W92/20

CPC: H04W24/02 H04W40/22 H04W76/12 H04W88/085 H04W92/20



Family:

Publication number	Publication date	Application number	Application date
EP3711443 A1	20200923	EP20190800198	20190510
IN201841017695 A	20191115	IN201841017695	20180510
WO19216717 A1	20191114	WO2019KR05672	20190510

Priority:

IN201841017695 20180510 IN201841017696 20180510 IN201841017695 20190509
WO2019KR05672 20190510

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): DEOGUN PRAVJYOT SINGH ; DESHMUKH ANEESH ; GUHA SHOUVIK ; LATHEEF FASIL ABDUL ; SHARMA NEHA

Inventor(s): ANEESH DESHMUKH ; FASIL ABDUL LATHEEF ; NEHA SHARMA ; PRAVJYOT SINGH DEOGUN ; SHOUVIK GUHA

Agent(s): GULDE AND PARTNER; YPLEE MOCK AND PARTNERS

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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

Title: USER EQUIPMENT AND PAGING METHOD AND SYSTEM USING AN EXTENDED PAGING PERIOD

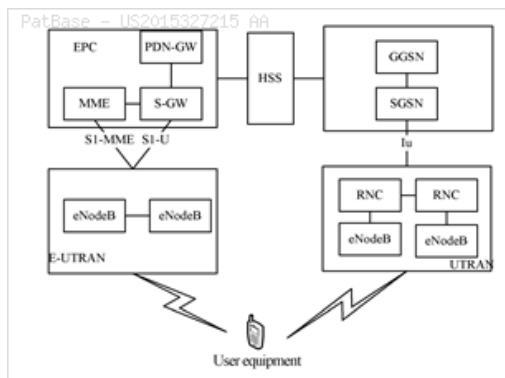
Abstract: Disclosed are a user equipment and a method and a system using an extended paging period to page. In the method, the MME/SGSN negotiates with a UE to obtain a first extended paging period; the MME/SGSN sends the first extended paging period and paging indication information which indicates to use the first extended paging period to page to a radio access network; the radio access network sends the first extended paging period in the system information and uses the first extended paging period to send a paging message; the UE selects a second extended paging period according to an extended paging period needed by the UE itself and the first extended paging period, and monitors the paging message according to the second extended paging period. The embodiment of the present application enables a UE in an idle mode to achieve an energy-saving effect by using the extended paging period.

Classifications:

International (IPC 8-9): H04W4/00 H04W52/02 H04W60/04
H04W68/00 H04W68/02 H04W76/04

CPC: H04W52/0216 H04W60/04 H04W68/005 H04W68/02
H04W76/28 Y02D30/70

US: 1/1 455/435.1 455/458 455/550.1



Family:

Publication number	Publication date	Application number	Application date
CN103874170 A	20140618	CN201210527648	20121210
EP2930998 A1	20151014	EP20130861657	20130813
EP2930998 A4	20151202	EP20130861657	20130813
EP2930998 B1	20191002	EP20130861657	20130813
US2015327215 AA	20151112	US20130650628	20130813
US9380532 BB	20160628	US20130650628	20130813
WO14089985 A1	20140619	WO2013CN081338	20130813

Priority:

CN201210527648 20121210 WO2013CN081338 20130813 WO2013CN81338 20130813

Probable Assignee: ZTE CORP

Assignee(s): (std): ZTE CORP

Inventor(s): (std): XU HUI

Agent(s): AFD CHINA INTELLECTUAL PROPERTY LAW OFFICE; AIPEX BV; CABINET LAURENT AND CHARRAS; LING; LING AND YANG INTELLECTUAL PROPERTY; STEPHEN

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 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 MZ NA NE 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

17) Family number: 69250176 (IN201641034501 A)

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Title: A METHOD OF USER IDENTITY-BASED LTE MAC SCHEDULER FOR PRIORITY AND PREEMPTION

Abstract: Medium Access Control (MAC) scheduler plays an important role in the assignment of the resource blocks (RBs) for users. Commercial MAC scheduler provides fair scheduling among all users and hence all users within the class gets the same quality of service (QoS). In the case of emergency networks the scheduler has to provide priority and preemption for certain users over other. The scheduler has to schedule high-priority users with minimum signaling and delay. This invention discusses the unique method of identifying users for providing priority and preemption at eNodeB during scheduling without the intervention of core network.

Classifications:

International (IPC 8-9): H04W72/00

Family:

Publication number	Publication date	Application number	Application date
IN201641034501 A	20180413	IN201641034501	20161007

Priority:

IN201641034501 20161007

Probable Assignee: BHARAT ELECTRONICS LTD

Assignee(s): BHARAT ELECTRONICS LTD

Inventor(s): CHAITANYA UMBARE ; RAJENDRA BILLURE ; SHASHIKANT CHAUDHARI

18) Family number: 49884886 (US2011267948 AA)

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Title: TECHNIQUES FOR COMMUNICATING AND MANAGING CONGESTION IN A WIRELESS NETWORK

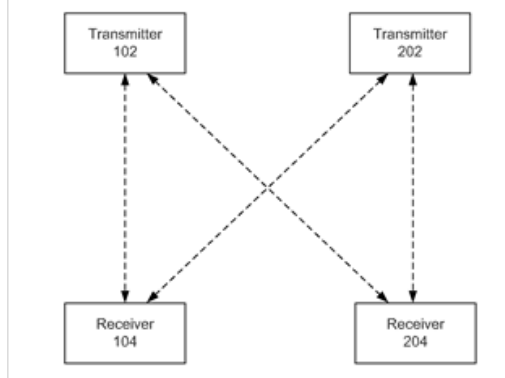
Abstract: Techniques are described that can be used to communicate congestion information concerning a downlink or uplink. In response to congestion on a link, a device can attempt to receive traffic on another network, scan for another node, or enter sleep mode for a time. In some cases, determination of congestion can be made based on an amount of time a packet is enqueued as well as the number of packets that experience a similar amount of enqueueing delay.

Classifications:

International (IPC 8-9): G06F15/16 G06F17/30 G06F17/40
G06Q30/00 G06Q30/02 H04B7/00 H04B7/04 H04J1/00 H04J11/00
H04J3/00 H04J99/00 H04L1/00 H04L1/16 H04L12/26 H04L12/28
H04L12/56 H04L12/801 H04L12/835 H04L12/841 H04L12/851
H04L29/06 H04L29/08 H04L5/00 H04M3/42 H04N21/258 H04W16/00
H04W16/24 H04W24/10 H04W28/06 H04W28/10 H04W28/12
H04W28/14 H04W28/24 H04W36/22 H04W4/00 H04W4/06
H04W40/00 H04W48/10 H04W48/12 H04W72/00 H04W72/04
H04W72/08 H04W72/10 H04W72/12 H04W76/04 H04W76/27
H04W88/02 H04W92/00 H04W92/20

CPC: H04B7/0413 H04B7/0854 H04L1/1614 H04L47/11 H04L47/14
H04L47/283 H04L47/30 H04L5/001 H04L5/0016 H04L5/003
H04L5/0032 H04L5/0051 H04L5/0053 H04L5/0064 H04L5/0094
H04W28/02 H04W28/12 H04W36/22 H04W4/06 H04W72/04
H04W72/0406 H04W72/0413 H04W72/042 H04W72/0446
H04W72/0486 H04W76/27 Y02D30/00 Y02D30/70 G06Q30/02
US: 1/1 370/235 370/235P 370/241 370/252 370/254 370/254P
370/328 370/328P 370/329 370/329P 370/330 370/345 370/345P
370/389 370/431 455/434 455/452.1 455/452.2 455/507 455/509
455/509P 455/509S 455/515 455/515P 455/522 455/68

PatBase - US2011267948 AA



Family:

Publication number	Publication date	Application number	Application date
BR112012028196 A2	20170815	BR20121128196	20110405
CN102238744 A	20111109	CN201110111383	20110429
CN102238744 B	20141210	CN201110111383	20110429
CN102263812 A	20111130	CN201110122853	20110503
CN102263812 B	20140917	CN201110122853	20110503
CN102238692 A	20111109	CN201110125116	20110503
CN102238692 B	20140730	CN201110125116	20110503
CN102859916 A	20130102	CN201180022314	20110405
CN102859916 B	20151021	CN201180022314	20110405
CN102948205 A	20130227	CN201180033219	20110405
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CN104065467 A	20140924	CN201410291587	20110503
CN104065467 B	20180223	CN201410291587	20110503
EP2385653 A2	20111109	EP20110163124	20110420
EP2385653 A3	20131204	EP20110163124	20110420
EP2385653 B1	20200408	EP20110163124	20110420
EP2385654 A2	20111109	EP20110163386	20110421
EP2385654 A3	20140122	EP20110163386	20110421
EP2385493 A1	20111109	EP20110164606	20110503
EP2567483 A2	20130313	EP20110777772	20110405
EP2567483 A4	20170524	EP20110777772	20110405
JP2011244435 A2	20111201	JP20110088841	20110413
JP5213279 B2	20130619	JP20110088841	20110413
JP2012015992 A2	20120119	JP20110088896	20110413
JP5317367 B2	20131016	JP20110088896	20110413
JP2013243725 A2	20131205	JP20130142951	20130708
JP5688125 B2	20150325	JP20130142951	20130708
JP2013533654 T2	20130822	JP20130509075T	20110405
JP5787984 B2	20150930	JP20130509075T	20110405
KR101288193 B1	20130723	KR20110041697	20110502
KR20110122064 A	20111109	KR20110041697	20110502
KR101490699 B1	20150206	KR20127028722	20110405
KR20130028927 A	20130320	KR20127028722	20110405
KR101480598 B1	20150108	KR20127031419	20110405
KR20130023263 A	20130307	KR20127031419	20110405
US2011267948 AA	20111103	US20100892062	20100928
US2011268102 AA	20111103	US20100962045	20101207
US8483203 BB	20130709	US20100962045	20101207
US2011269492 AA	20111103	US20100967652	20101214
US8626218 BB	20140107	US20100967652	20101214
US2011269493 AA	20111103	US20100971701	20101217
US8781490 BB	20140715	US20100971701	20101217
US2011268025 AA	20111103	US20100975724	20101222
US9155088 BB	20151006	US20100975724	20101222
US2011267978 AA	20111103	US20100975725	20101222
US8537718 BB	20130917	US20100975725	20101222
US2011268052 AA	20111103	US20100976217	20101222
US8532030 BB	20130910	US20100976217	20101222
US2012034945 AA	20120209	US20110275608	20111018
US8843168 BB	20140923	US20110275608	20111018
US2012063357 AA	20120315	US20110299765	20111118
US8743734 BB	20140603	US20110299765	20111118
US2012063358 AA	20120315	US20110299800	20111118
US9338772 BB	20160510	US20110299800	20111118
US2013287000 AA	20131031	US20130932186	20130701
US2013336263 AA	20131219	US20130969966	20130819
US8983516 BB	20150317	US20130969966	20130819
US2015029984 AA	20150129	US20140482107	20140910
US9591642 BB	20170307	US20140482107	20140910
US10165560 BB	20181225	US20160150286	20160509
US2016255630 AA	20160901	US20160150286	20160509
US10231226 BB	20190312	US20170405050	20170112

US2017127391 AA	20170504	US20170405050	20170112
WO11139458 A2	20111110	WO2011US31180	20110405
WO11139458 A3	20120202	WO2011US31180	20110405
WO11139462 A2	20111110	WO2011US31200	20110405
WO11139462 A3	20120119	WO2011US31200	20110405

Priority:

US20100330837P	20100503	US20100892062	20100928	US20100962045	20101207
US20100967652	20101214	US20100971701	20101217	US20100975725	20101222
US20100975724	20101222	US20100976217	20101222	WO2011US31180	20110405
WO2011US31200	20110405	JP20110088896	20110413	CN201110125116	20110503
US20110275608	20111018	US20110299800	20111118	US20110299765	20111118
US20130932186	20130701	US20130969966	20130819	US20140482107	20140910
US20160150286	20160509	US20170405050	20170112		

Probable Assignee: INTEL CORP

Assignee(s): (std): CHEN XIAOGANG ; ETEMAD KAMRAN ; GUPTA MARUTI ; HIMAYAT NAGEEN ; HUI JIE ; INTEL CORP ; INTEL CORP INTEL ; JAIN PUNEET K ; KOC ALI ; KOC ALI T ; LI QINGHUA ; SUNDER RAJAN ASHOK ; TALWAR SHILPA ; VANNITHAMBY RATH ; WANG PING ; YANG XIANGYING ; ZHU JING ; ZHU YUAN

Assignee(s): APPLE INC ; INTEL CORPORATION ; INTEL INTEL CORP

Inventor(s): (std): A SUNDER RAJAN ; CHEN XIAOGANG ; ETEMAD KAMRA ; ETEMAD KAMRAN ; ETHEMAD CAM RANH ; GUPTA MARUTI ; HIDAYAT NASEEM ; HIMAYAT NAGEEN ; HUI JIE ; JAIN PUNEET K ; KAMRAN ETEMAD ; KOC ALI ; KOC ALI T ; LI QINGHUA ; NAGEEN HIMAYAT ; P K JAIN ; QINGHUA LI ; QUINHA LEE ; SHILPA TALWAR ; SUNDER RAJAN ASHOK ; TALWAR SHILPA ; VANNITHAMBY RATH ; WANG PING ; YANG XIANGYING ; YUAN ZHU ; ZHU JING ; ZHU YUAN ; ZU YUAN

Inventor(s): XIANGYING YANG ; XIAOGANG CHEN

Agent(s): BENSON CHRISTOPHER ; CLARKE JEFFREY ; GLEN B ; Harrison Goddard Foote ; HUTCHINSON GLENN STANLEY ; LANG JOHANNES ; RYUKA IP LAW FIRM ; SCHWEGMAN LUNDBERG AND WOESSNER PA ; THORPE NORTH AND WESTERN ; THORPE NORTH AND WESTERN LLP ; VINCENT LESTER J ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ 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 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 MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU 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

19) Family number: 43388136 (WO08156308 A2)

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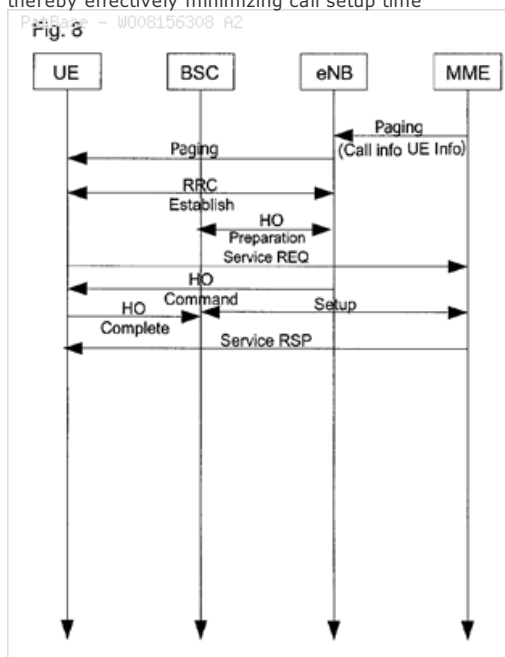
Title: PAGING INFORMATION TRANSMISSION METHOD FOR EFFECTIVE CALL SETUP

Abstract: Disclosed is the method for transmitting paging information in wireless communication system, a core network transmits a paging message including call related information and/or terminal related information, at least one of a network or terminal performs a next operation based on the paging message, thereby effectively minimizing call setup time

Classifications:

International (IPC 8-9): H04B7/26

CPC: H04L1/1832 H04L1/1848 H04L1/1854 H04W28/06 H04W48/08 H04W68/00 H04W76/10 H04W80/02



Family:

Publication number	Publication date	Application number	Application date
WO08156308 A2	20081224	WO2008KR03465	20080618
WO08156308 A3	20090226	WO2008KR03465	20080618

Priority:

US20070944785P 20070618 KR20080057279 20080618

Probable Assignee: LG ELECTRONICS

Assignee(s): (std): CHUN SUNG DUCK ; LEE YOUNG DAE ; LG ELECTRONICS ; LG ELECTRONICS INC ; PARK SUNG JUN ; YI SEUNG JUNE

Inventor(s): (std): CHUN SUNG DUCK ; LEE YOUNG DAE ; PARK SUNG JUN ; YI SEUNG JUNE

Agent(s): PARK JANG WON ; PARK JANG-WON

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI 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 IS IT JP KE KG KM KN KP KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT 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 ZA ZM ZW

20) Family number: 60351967 (US2015264512 AA)

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Title: CONVEYANCE OF APPLICATION COMMUNICATION PATTERNS FROM AN EXTERNAL APPLICATION SERVER TO A 3RD GENERATION PARTNERSHIP PROJECT SYSTEM

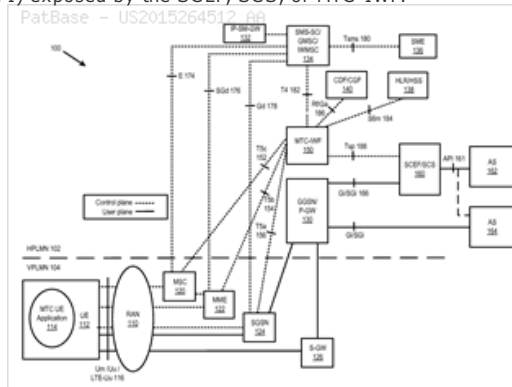
Abstract: A machine type communication interworking function (MTC-IWF) is configured to receive from a service capability exposure function (SCEF), services capability server (SCS), or a third-party application server (AS), application communication pattern information defined by an MTC application and representing characteristics of machine-to-machine (M2M) communications expected from a user equipment (UE) machine type communication (MTC) device. The MTC-IWF being configured to communicate the information to a mobility management entity (MME) that thereby provides core network (CN) originated assistance to an evolved universal terrestrial radio access network node B (eNB). Disclosed are embodiments for providing the information in the form of Diameter-based messages communicated through Tsp, T5, and other interfaces, or through an application programming interface (API) exposed by the SCEF, SCS, or MTC-IWF.

Classifications:

International (IPC 8-9): H04L29/06 H04L29/08 H04W H04W4/00 H04W4/70 H04W76/10 H04W88/12 H04W88/16 H04W88/18 H04W92/00 H04W92/02 H04W92/24

CPC: H04W4/70 H04W88/18 H04W92/02 H04W92/24

US: 1/1 370/328



Family:

Publication number	Publication date	Application number	Application date
CN105981471 A	20160928	CN201580008328	20150213
CN105981471 B	20190910	CN201580008328	20150213
EP3117688 A1	20170118	EP20150762267	20150213
EP3117688 A4	20170823	EP20150762267	20150213
HK1226895 A1	20171006	HK20170100414	20170113
JP2017510166 T2	20170406	JP20160550241T	20150213
JP6434040 B2	20181205	JP20160550241T	20150213
KR101999428 B1	20190711	KR20167021873	20150213
KR20160106731 A	20160912	KR20167021873	20150213
US2015264512 AA	20150917	US20140583168	20141225
US9894464 BB	20180213	US20140583168	20141225
WO15138084 A1	20150917	WO2015US15778	20150213

Priority:

US20140953649P 20140314 US20140583168 20141225 WO2015US15778 20150213

Probable Assignee: INTEL CORP

Assignee(s): (std): BANGOLAE SANGEETHA L ; INTEL CORP ; INTEL IP CORP ; JAIN PUNEET K ; MARTINEZ TARRADELL MARTA

Assignee(s): APPLE INC

Inventor(s): (std): BANGOLAE SANGEETHA L ; JAIN PUNEET K ; MARTINEZ TARRADELL MARTA

Agent(s): BARKER AARON D ; GODDARD HEINZ J ; ITOH TADASHIGE ; ITOH TADASHIGE ; OHNUKI SHINSUKE ; ORIENTAL INTELLECTUAL PROPERTY SERVICES CO ; STOEL RIVES LLP

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 MZ NA NE 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

21) Family number: 50261217 (US2011319071 AA)

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Title: PROACTIVE LATENCY-BASED END-TO-END TECHNOLOGY SURVEY AND FALLBACK FOR MOBILE TELEPHONY

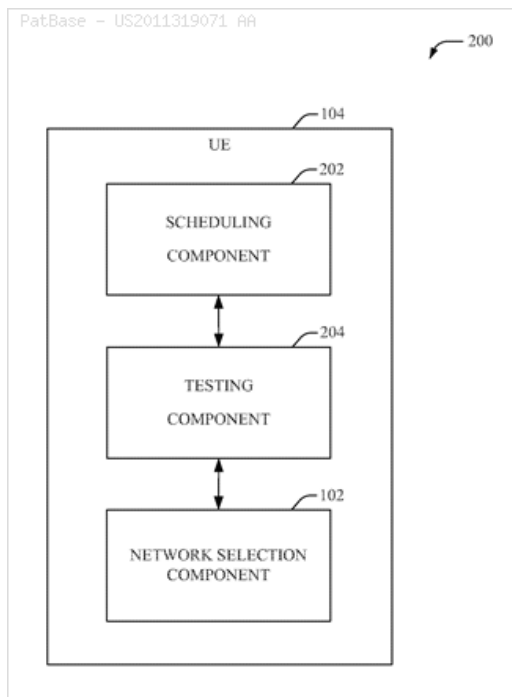
Abstract: A system and methodology that facilitates dynamically determining an end-to-end response of a network prior to the selection of a technology for an application, is provided. Moreover, a user equipment (UE) can perform a proactive latency-based end-to-end technology survey to select appropriate technologies for different applications based in part on application requirements, UE and network infrastructure capabilities, network load, concurrent uses, or other factors as determined by the service provider. The results of the survey can be compared with pre-established criteria, as broadcast by the network operator, to determine a network that can be utilized to support an application at a particular location, or to determine whether fallback to another technology provides better quality and/or efficiency can be performed.

Classifications:

International (IPC 8-9): G06F15/173 H04L12/26 H04L12/28 H04M1/00 H04W24/00 H04W36/00 H04W4/00

CPC: H04W24/08 H04W48/18

US: 370/252 370/253 370/254 370/401 455/422.1 455/424 455/424P 455/425 455/436 455/437 455/552.1 709/223 709/224



Family:

Publication number	Publication date	Application number	Application date
US2011319071 AA	20111229	US20100823336	20100625
US8626151 BB	20140107	US20100823336	20100625

Priority:

US20100823336 20100625

Probable Assignee: AT AND T MOBILITY II LLC

Assignee(s): (std): AT AND T MOBILITY II LLC ; BEPLER DAVID ; BRISEBOIS ARTHUR RICHARD ; MANSFIELD WILLIAM G

Inventor(s): (std): BEPLER DAVID ; BRISEBOIS ARTHUR RICHARD ; MANSFIELD WILLIAM G

Agent(s): TUROCY AND WATSON LLP

22) Family number: 67084414 (WO17162295 A1)

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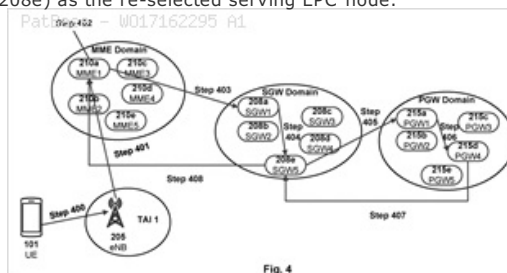
Title: METHOD AND NODE FOR HANDLING RE-SELECTION OF A SERVING NODE TO SERVE A UE

Abstract: The embodiments herein relate to a method performed by a re-selecting node (108) for handling selection of a serving EPC node (110a, 110b, 110c) to serve a UE (101). The re-selecting node (108) comprises EPC node information of EPC nodes (110a, 110b, 110c) in an EPC node domain that the re-selecting node (108) is responsible for. The re-selecting node (108) receives a request message associated with the UE (101). The request message comprises request message information. The re-selecting node (108) re-selects, based on the EPC node information and the request message information, a second EPC node (110b, 208e) as the serving EPC node among to serve the UE (101) instead of a first node (110a, 208a) currently selected to be the serving EPC node. The re-selecting node (108) forwards the request message together with forwarding information to the second EPC node (110b, 208e) as the re-selected serving EPC node.

Classifications:

International (IPC 8-9): H04W36/12 H04W48/18

CPC: H04W36/12 H04W48/18



Family:

Publication number	Publication date	Application number	Application date
WO17162295 A1	20170928	WO2016EP56609	20160324

Priority:

WO2016EP56609 20160324

Probable Assignee: ERICSSON AB

Assignee(s): (std): ERICSSON AB ; ERICSSON TELEFON AB L M PUBL ; TELEFONAKTIEBOLAGET LM ERICSSON PUBL

Inventor(s): (std): YANG YONG

Agent(s): ERICSSON

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 LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

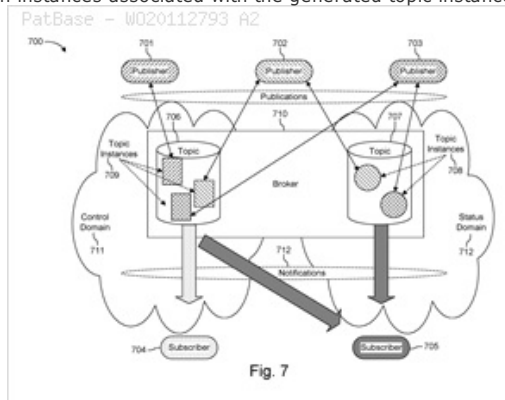
Title: FRAMEWORK FOR DYNAMIC BROKERAGE AND MANAGEMENT OF TOPICS AND DATA AT THE SERVICE LAYER

Abstract: Methods and apparatuses are described herein for a framework for data brokerage services in a service layer. A first apparatus may receive, from a second apparatus, a first signal comprising first information indicating a publishing intent associated with a topic indicator. The first apparatus may receive, from a third apparatus, a second signal comprising second information indicating a subscription intent associated with the topic indicator. The first apparatus may generate, based on the publishing intent and the subscription request, a topic instance. The first apparatus may send a third signal comprising an announcement message indicating the generated topic instance. The first apparatus may receive, from the third apparatus, a fourth signal comprising a subscription request for the generated topic instance. The first apparatus may send, to the third apparatus, at least one fifth signal comprising notifications and publish instances associated with the generated topic instance.

Classifications:

International (IPC 8-9): H04L29/08 H04W4/70

CPC: H04L67/12 H04L69/32 H04W4/70



Family:

Publication number	Publication date	Application number	Application date
WO20112793 A2	20200604	WO2019US63279	20191126
WO20112793 A3	20200716	WO2019US63279	20191126

Priority:

US20180772493P 20181128

Probable Assignee: CONVIDA WIRELESS LLC

Assignee(s): (std): CONVIDA WIRELESS LLC

Inventor(s): (std): CHEN ZHUO ; FLYNN WILLIAM ; LY QUANG ; MLADIN CATALINA ; NINGLEKHU JIWAN ; SEED DALE

Inventor(s): FLYNN WILLIAM ROBERT ; MLADIN CATALINA MIHAELA ; NINGLEKHU JIWAN L ; SEED DALE N

Agent(s): SAMUELS STEVEN B ET AL

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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

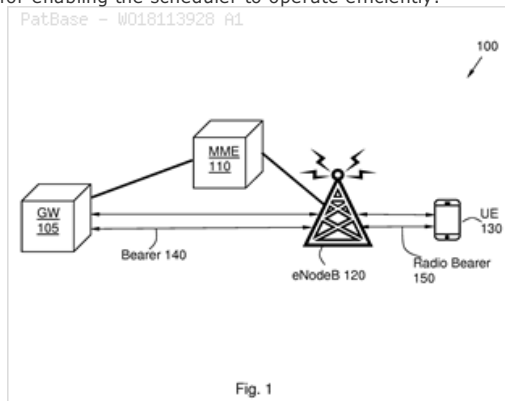
Title: WIRELESS COMMUNICATION SYSTEM WITH MULTIPLE RADIO BEARERS

Abstract: The invention relates to a scheduler adapted for a wireless communication system (100). The wireless communication system being configured to allow multiple bearers (140) and respective radio bearers (150) between the wireless communication system and a user equipment, UE (130). The scheduler being adapted to receive a radio bearer Transmission Time Interval, TTI reallocation configuration and a bearer information for the respective radio bearer, or receive a UE related TTI reallocation configuration and a UE reconfiguration information. The scheduler is further adapted to determine a reallocation of bearer data based on an available transport block resource for an at least one Transmission Time Interval, TTI and either the received radio bearer TTI reallocation configuration or the received UE related TTI reallocation configuration. The invention further extends to methods and devices for enabling the scheduler to operate efficiently.

Classifications:

International (IPC 8-9): H04W72/12

CPC: H04W72/1236 H04W72/1278



Family:

Publication number	Publication date	Application number	Application date
WO18113928 A1	20180628	WO2016EP81959	20161220

Priority:

WO2016EP81959 20161220

Probable Assignee: HUAWEI TECHNOLOGIES CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD ; LIAO JINGYI

Assignee(s): HUAWEI TECHNOLOGIES CO ; HUAWEI TECHNOLOGIES CO LTD

Inventor(s): (std): LIAO JINGYI

Agent(s): KREUZ GEORG

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 DJ 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 KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

25) Family number: 55627154 (WO14009439 A1)

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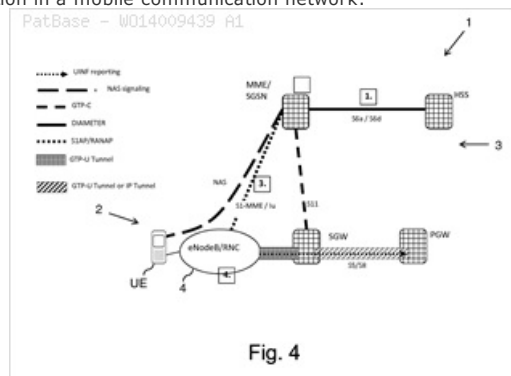
Title: REPORTING USER RELATED INFORMATION IN A MOBILE COMMUNICATION NETWORK

Abstract: The present invention relates to a method for reporting user related information in a mobile communication network, preferably a 3GPP mobile communication network, with a user equipment connected to a core network of the mobile communication network via a radio access network of the mobile communication network, and wherein the mobile communication network comprises at least two communication planes including a control plane and a user plane, wherein reporting of the user related information is performed in the user plane of the mobile communication network. The present invention relates also to a system for reporting user related information in a mobile communication network.

Classifications:

International (IPC 8-9): H04W60/00

CPC: H04W60/00



Family:

Publication number	Publication date	Application number	Application date
WO14009439 A1	20140116	WO2013EP64625	20130710

Priority:

EP20120175733 20120710

Probable Assignee: NEC EUROPE LTD

Assignee(s): (std): NEC EUROPE LTD

Inventor(s): (std): PUNZ GOTTFRIED ; SCHMID STEFAN ; TAMURA TOSHIYUKI

Agent(s): ULLRICH AND NAUMANN

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 IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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

26) Family number: 81021156 (WO20185949 A2)

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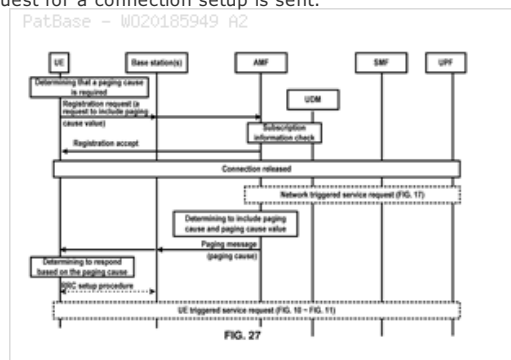
Title: WIRELESS DEVICE PAGING BY A WIRELESS NETWORK

Abstract: A wireless device sends a first request to an access and mobility management function (AMF). The first request includes a paging cause value in a paging message. The paging message is received by the wireless device and comprises the paging cause value. Based on the paging message, a second request for a connection setup is sent.

Classifications:

International (IPC 8-9): H04W68/02

CPC: H04W68/02 H04W76/27



Family:

Publication number	Publication date	Application number	Application date
WO20185949 A2	20200917	WO2020US22169	20200311

Priority:

US20190816414P 20190311

Probable Assignee: BHARATIA JAYSHREE

Assignee(s): (std): BHARATIA JAYSHREE ; DINAN ESMAEL ; PARK KYUNGMIN ; QIAO WEIHUA ; RYU JINSOOK ; TALEBI FARD PEYMAN

Inventor(s): (std): BHARATIA JAYSHREE ; DINAN ESMAEL ; PARK KYUNGMIN ; QIAO WEIHUA ; RYU JINSOOK ; TALEBI FARD PEYMAN

Agent(s): GROSSMAN DAVID ET AL

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 DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE 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 WS ZA ZM ZW

27) Family number: 27892479 (WO03004943 A2)

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Title: METHOD AND DEVICE FOR PRODUCING THERMAL ENERGY

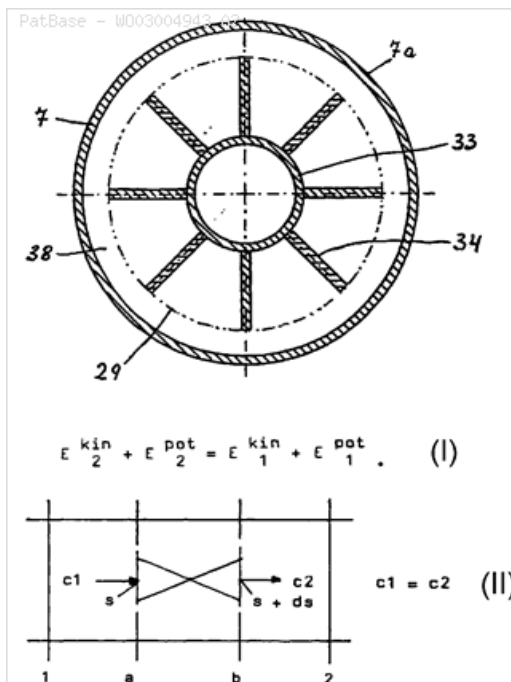
Abstract: The invention relates to a system in which a specified quantity of gas flows through the gas pressure reactor by means of pulse transfer. The work necessary for this is only required for overcoming the frictional resistance. The state quantities of the system are quasi-static. The state quantity potential energy, converted into kinetic energy, dissipates the energy in the fluid by friction via the quasi-static compression working pressure, said energy being supplied to a use as irreversible entropy with the heat flow transported by the heat exchanger. Formula (I) is regarded as a special form of the law of conservation of energy. The state change of the phase in an alternate direction of flow is assumed as being quasi-static. When the gas pressure reactor is flown through, the specific entropy s of the fluid changes between the inlet and outlet and attains the value $s + ds$. Entropy and enthalpy are determined with the aid of the thermal state equation (formula (II)). Indices 1 and 2 denote the control space of the pressure reservoir with a balance region of the gas pressure reactor between a and b .

Classifications:

International (IPC 8-9): F24J3/00 F25B30/00 F25B30/02 F28D20/00

International (IPC 1-7): F24J3/00 F25B30/02

CPC: F24V40/00



Family:

Publication number	Publication date	Application number	Application date
DE10132464 A1	20030123	DE20011032464	20010704
DE10132464 B4	20060406	DE20011032464	20010704
WO03004943 A2	20030116	WO2002DE02314	20020625
WO03004943 A3	20030501	WO2002DE02314	20020625

Priority:

DE20011032464 20010704

Probable Assignee: LABENTZ DRUCKKRAFTWERKBAU I G

Assignee(s): (std): LABENTZ DRUCKKRAFTWERKBAU I G ; LABENTZ PETER RICHARD

Inventor(s): (std): LABENTZ PETER RICHARD

Designated states: AT AU BR CA CH CN DK ES FI GB IN JP NO PL PT RU SE US

28) Family number: 45954294 (IN00549MU2010 A)

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Title: AN APPARATUS, SYSTEM, AND METHOD FOR AUTOMATED PRODUCTION OF RULE BASED NEAR LIVE SPORTS EVENT IN THE FORM OF A VIDEO FILM FOR ENTERTAINMENT

Classifications:

[illegible]

Publication number	Publication date	Application number	Application date
IN00549MU2010 A	20100709	IN2010MU00549	20100303

Probable Assignee:	RATHOD YOGESH CHUNILAL
Assignee(s):	RATHOD YOGESH CHUNILAL
Inventor(s):	RATHOD YOGESH CHUNILAL