

Search strategy

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INFORMATION)/TI/AB/IW/CLMS/ICLM/KEYW

36 Documents

Publication numbers	Title	Current assignees
US20140198767 A1	Systems and methods for efficient traffic offload without service disruption	INTEL
WO201293639 A1	Mobile Communication Method and a System	NEC
WO2013147499 A1	Method and device for preserving mobility information in terminal state transition and effectively re-accessing in heterogeneous cell network in mobile communication system	SAMSUNG ELECTRONICS
US20110044286 A1	Allocating group resources for wireless communications	INTEL
WO201155999 A2	Method and apparatus for transmitting data in a wireless communication network system	SAMSUNG ELECTRONICS
WO2014130093 A1	Ue-based d2d discovery	INTEL
CA2879206 A1	Machine type communication monitoring framework for 3 gpp systems	INTEL
US20020090962 A1	Apparatus, and an associated method, for providing wlan service in a fixed wireless access communication system	GENERAL ACCESS SOLUTIONS
WO2015133753 A1	Method and apparatus for performing handover in wireless communication system	LG ELECTRONICS
WO2011149316 A2	Apparatus and method for supporting mobility in a heterogeneous wireless communication system	SAMSUNG ELECTRONICS
CN101064722 A	Method for the terminals in wireless man to enter idle mode	HUAWEI TECHNOLOGIES
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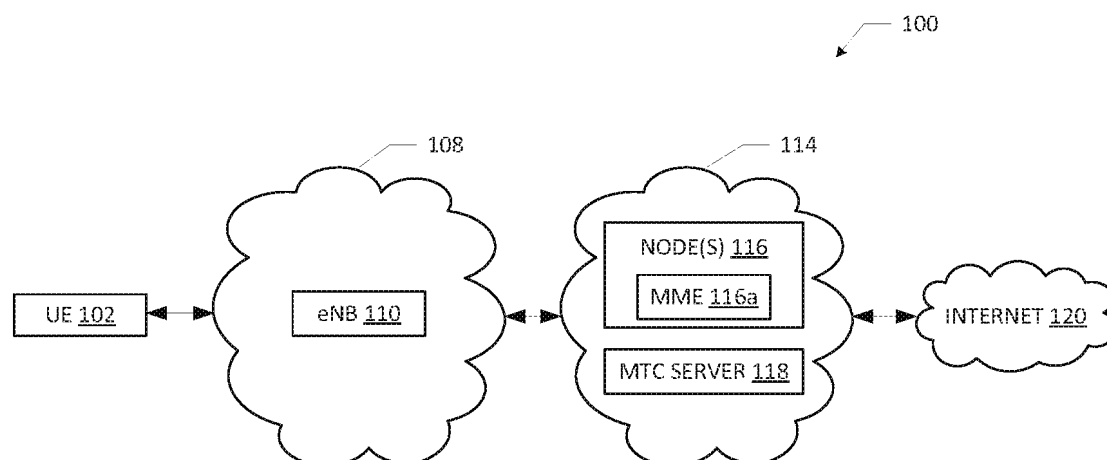
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EP1848166 A2	Method and apparatus for transmitting and receiving channel quality information in a wireless communication system	SAMSUNG ELECTRONICS
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KR20110049622 A	Method and apparatus for transmission data in wireless communication network system	SAMSUNG ELECTRONICS
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WO2014169569 A1	Call service implementation method and device, and indication information delivery method and device	ZTE
WO2014163448 A1	Method for user equipment managing connection with small cell in heterogeneous cell environment	LG ELECTRONICS
US20150124748 A1	Method and apparatus for performing operation related to radio link failure in a heterogeneous network	LG ELECTRONICS
GB200303459 D0	Method for relocating SRNS in a mobile communication system	LG ELECTRONICS
WO200920362 A2	Apparatus and method for connecting radio link in wireless communication system having private network cell	SAMSUNG ELECTRONICS
WO2014173184 A1	Terminal multiple connection management method, device and system	ZTE
CN102655662 A	Method and apparatus for managing cell handover	ZTE

Family 1/36 - FAMPAT - ©Questel

Title

(EP3328122)

Systems and methods for efficient traffic offload without service disruption

Images**Publication data including kind & date**

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Abstract

(EP3328122)

Methods, systems, and devices for offloading traffic flows without service disruption are disclosed herein. User equipment (UE) is configured to receive an indication that a current packet data network (PDN) connection can be optimized. The current PDN connection is established over a first PDN gateway (PGW). The UE requests connection over a new PDN connection to a same type of service as the current PDN connection without releasing the connection over the first PGW. The UE routes new traffic flows over a second PGW corresponding to the new PDN connection and routes old traffic flows over the first PGW.

Inventors

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Latest standardized assignees - inventors removed

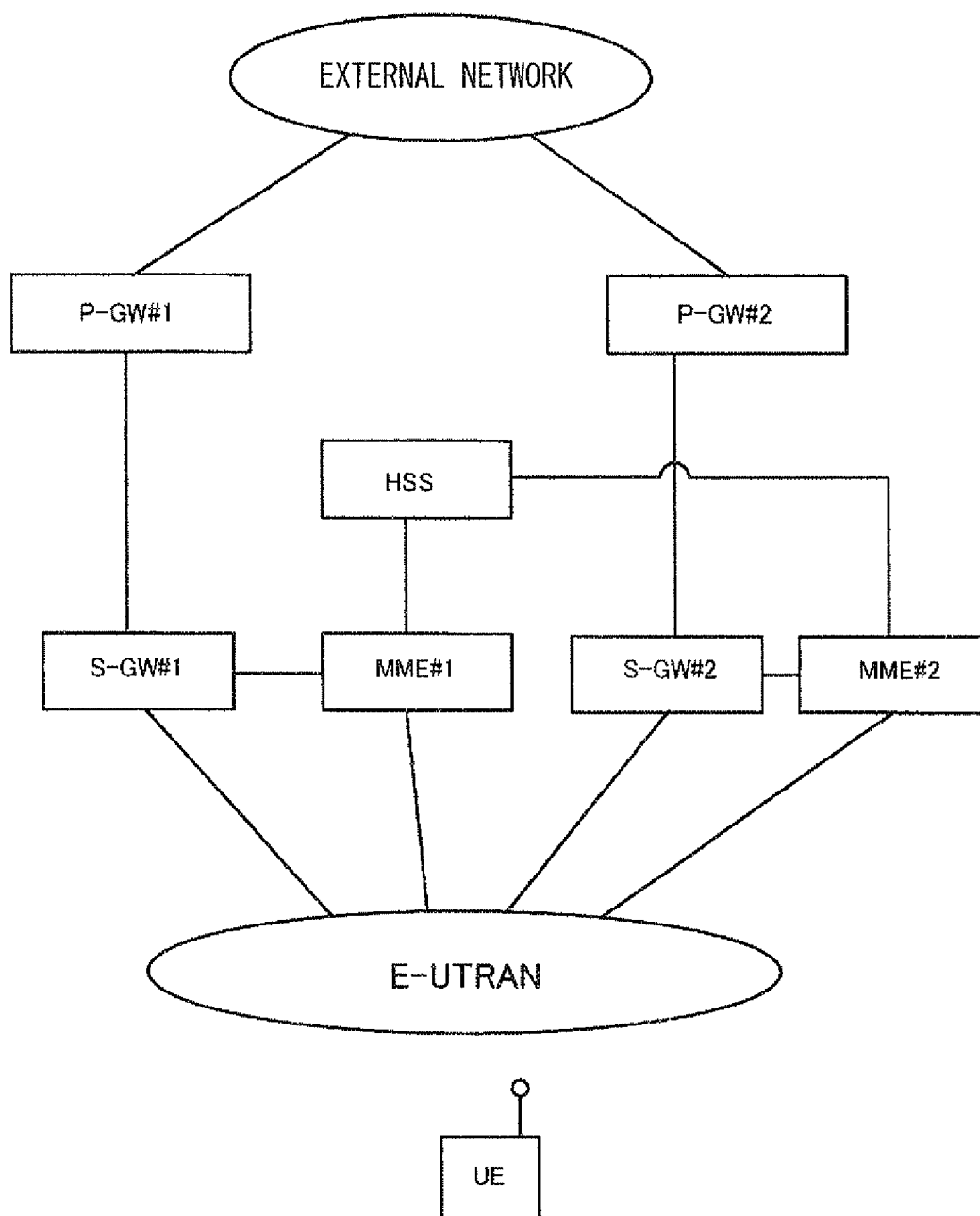
INTEL

Family 2/36 - FAMPAT - ©Questel

Title

(EP2747467)

Mobile Communication Method and a System**Images**



Publication data including kind & date

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Abstract

(EP2747467)

A **mobile** communication method according to the present invention includes the steps of: starting, by a UE, re-attach processing for MME#2, upon receiving "Paging"; transmitting, by MME#1, "DDN Ack" including "EPS Bearer ID#1" included in "DDN" and "Cause=Re-Attach Success" (**information** indicating that re-attach processing is successful), to S-GW#1 specified by S-GW address #1 included in the "DDN"; and releasing, by S-GW#1, a PDN connection #1 between S-GW#1 and P-GW#1, upon receiving the "DDN Ack", the PDN connection #1 corresponding to the "EPS Bearer ID#1" included in the "DDN Ack".

Inventors

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Latest standardized assignees - inventors removed

NEC

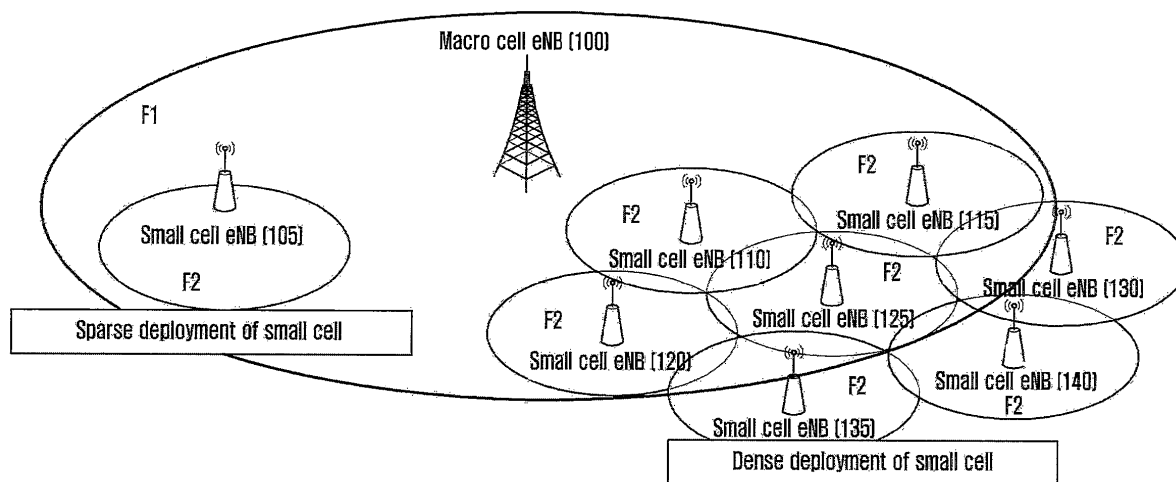
Family 3/36 - FAMPAT - ©Questel

Title

(EP2833657)

Method and device for preserving **mobility information** in terminal state transition and effectively re-accessing in heterogeneous cell network in **mobile** communication system

Images



Publication data including kind & date

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US20180242217	A1	2018-08-23	US20180242217



Abstract

(EP2833657)

The present invention pertains to a method and device for preserving **mobility information** in terminal state transition and effectively re-accessing in a heterogeneous cell network in a **mobile** communication system. A method for estimating a **mobility** state of a terminal in a **mobile** communication system according to one embodiment of the present invention may comprise the steps of: receiving, by the terminal, system **information** from a serving cell during an idle state; calculating **mobility** state **information** by using the received system **information**; storing the **mobility** state **information**; and transmitting the **mobility** state **information** to a **base station** when the terminal is connected to the **base station**. According to one embodiment of the present invention, when an idle state of a terminal is changed to a connection state in a **mobile** communication system, a **mobility** state of the terminal can be more effectively estimated.

Inventors

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Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

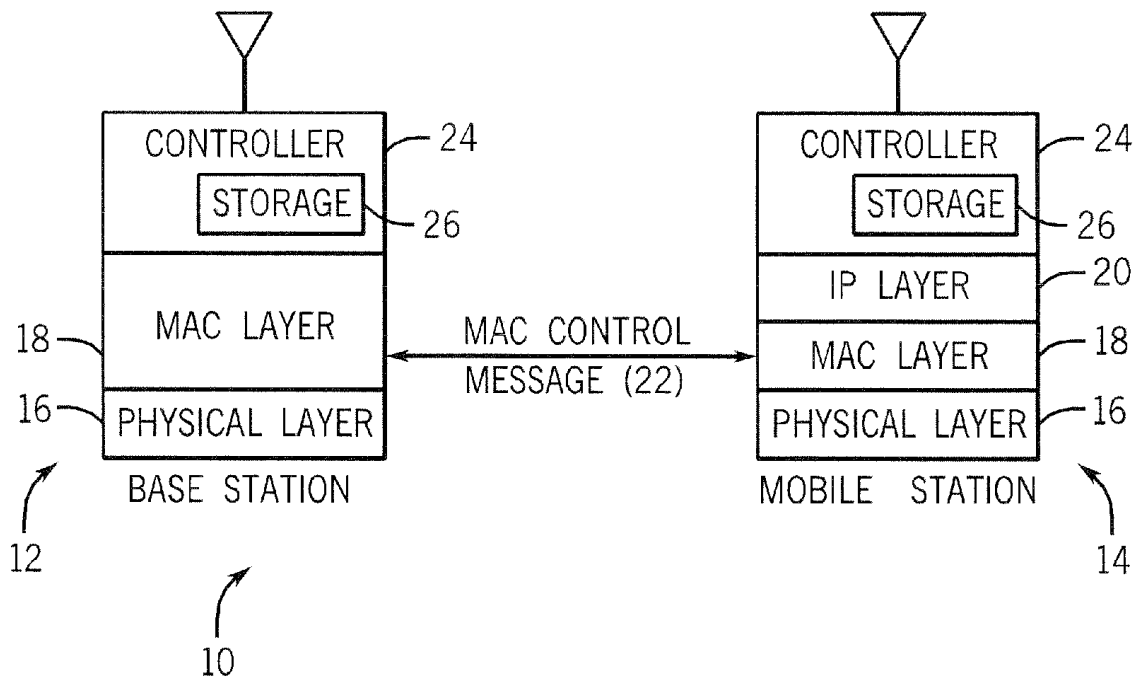
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Title

(EP2471325)

Allocating group resources for **wireless** communications

Images



Publication data including kind & date

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BR112012003221	A2	2017-09-26	BR112012003221



Abstract

(EP2471325)

A single format of MAC control message may be used for the addition, deletion, or rearrangement of users in a group within a **wireless** network. In some cases, a change in the nature of the group may be implemented immediately upon receipt of a positive acknowledgement. A **mobile station** may determine its ACID without maintaining **information** about the previous ACID or startup frame.

Inventors

SHRIVASTAVA SHWETA

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Latest standardized assignees - inventors removed

INTEL

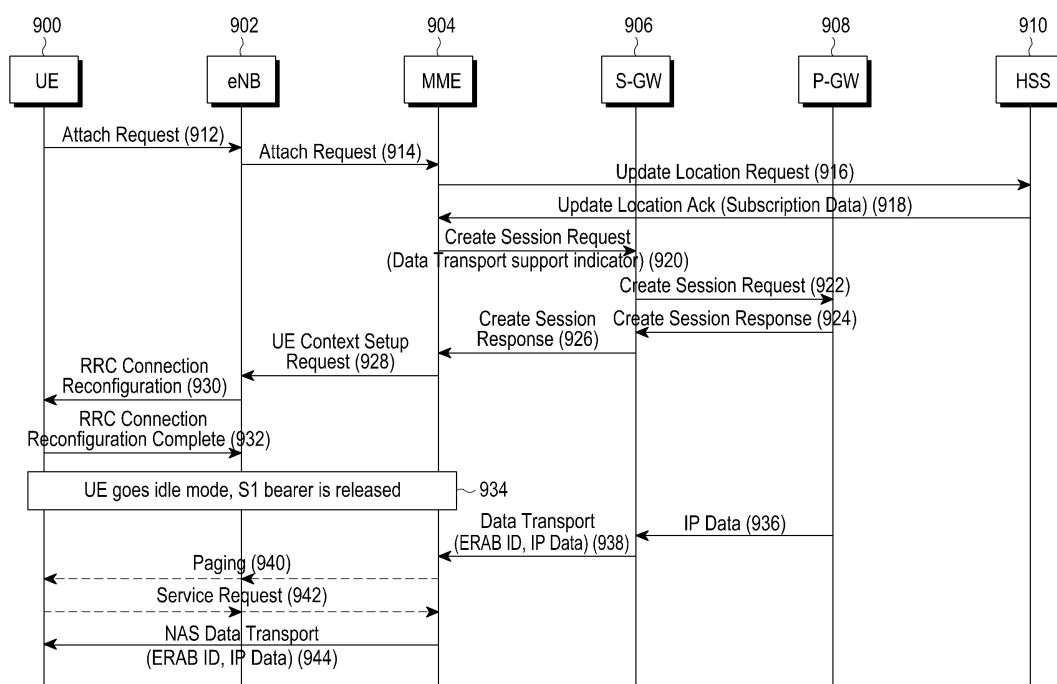
Family 5/36 - FAMPAT - ©Questel

Title

(EP2498566)

Method and apparatus for transmitting data in a **wireless** communication network system

Images



Publication data including kind & date

WO2011055999	A2	2011-05-12	WO2011055999
WO2011055999	A3	2011-09-29	WO2011055999



KR20120099665	A	2012-09-11	KR20120099665				
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Abstract

(EP2498566)

The present invention relates to a method and apparatus for transmitting data in a **wireless** communication network. A **base station** having **information** of idle mode user equipment transmits a connecting operation mode to user equipment when the idle mode user equipment is connected to the **base station**. The user equipment transmits small-sized data together with a connection request completion message to the **base station**. The **base station** transmits, over a network, the data received from the user equipment, without being interlinked with a **mobility** management entity, and the user equipment returns back to an idle operation mode after data transmission. Thus, signaling the **base station** for acquiring **context information** of the user equipment can be reduced in order to provide the user equipment with an efficient data transmission environment.

Inventors

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CHOI SUNG-HO

BAE BEOM-SIK

KIM SANG-BUM

LIM HAN-NA

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

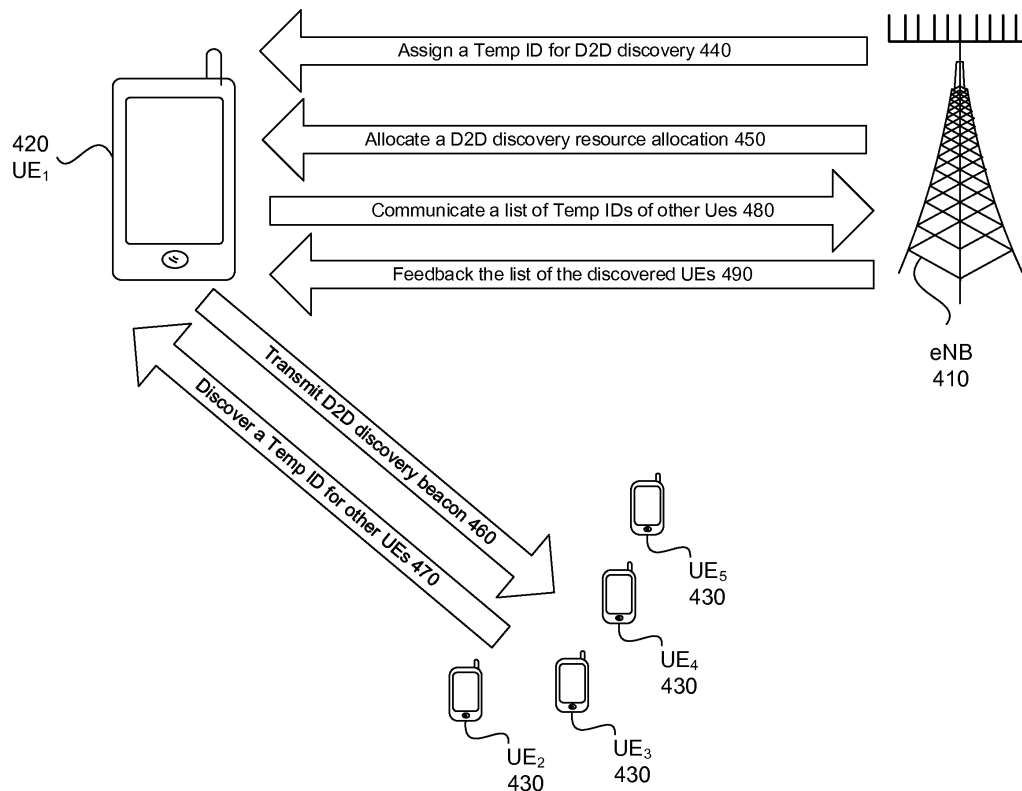
Family 6/36 - FAMPAT - ©Questel

Title

(EP3300398)

Ue-based d2d discovery

Images



Publication data including kind & date

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Abstract

(EP3300398)

In one embodiment, the present disclosure provides an evolved Node B (eNB) that includes a device-to-device (D2D) module configured to allocate at least one D2D discovery region including at least one periodic discovery zone, the at least one periodic discovery zone including a first plurality of resource blocks in frequency and a second plurality of subframes in time, the D2D module further configured to configure a User Equipment (UE) to utilize the at least one D2D discovery region for transmitting a discovery packet.

Inventors

NIU HUANING

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Latest standardized assignees - inventors removed

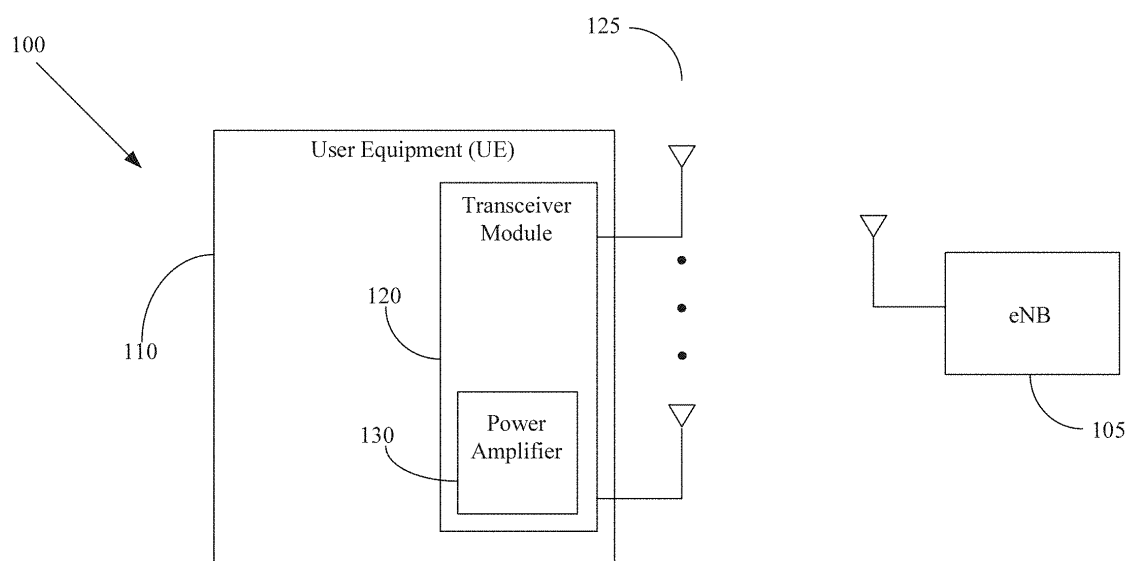
INTEL

Family 7/36 - FAMPAT - ©Questel

Title

(EP3370344)

Machine type communication monitoring framework for 3 gpp systems

Images**Publication data including kind & date**

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WO2014052956	A1	2014-04-03	WO201452956
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IN0565/CHENP/2015	A	2016-07-01	IN2015CN00565				
IN0458/CHENP/2015	A	2016-07-01	IN2015CN00458				

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Abstract

(EP3370344)

A 3GPP monitoring architecture framework provides monitoring event configuration, detection, and reporting for machine-type and other **mobile** data applications using a machine type communication interworking function (MTC-IWF) that communicates monitoring event configuration, detection, and reporting messages through existing interfaces, such as Tsp, T4, and T5 interfaces.

Inventors

JAIN PUNEET K

RAO VARUN N

VENKATACHALAM MUTHAIAH

Latest standardized assignees - inventors removed

INTEL

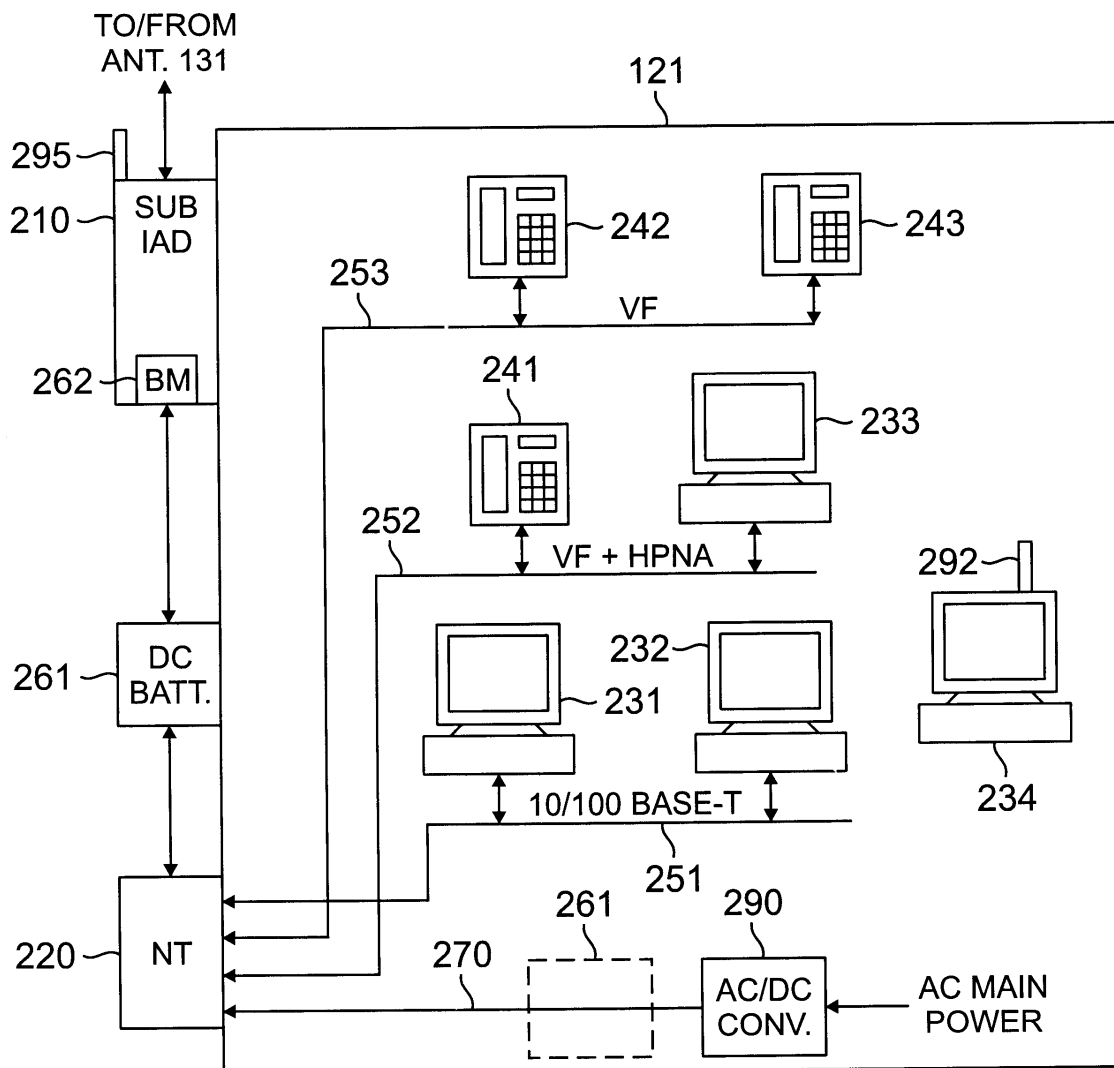
Family 8/36 - FAMPAT - ©Questel

Title

(EP1364485)

Apparatus, and an associated method, for providing wlan service in a fixed **wireless** access communication system

Images



Publication data including kind & date

US20020090962	A1	2002-07-11	US20020090962
WO02058324	A2	2002-07-25	WO200258324
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WO02058409	A2	2002-07-25	WO200258409
US20020097670	A1	2002-07-25	US20020097670
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AU2002219443	A1	2002-07-30	AU2002219443
AU2002219441	A1	2002-07-30	AU2002219441
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WO02067614	A2	2002-08-29	WO200267614				
WO02067612	A2	2002-08-29	WO200267612				
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WO02071694	A2	2002-09-12	WO200271694				
WO02071693	A2	2002-09-12	WO200271693				
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US6891810	B2	2005-05-10	US6891810				
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DE60228054	D1	2008-09-18	DE60228054				
US20080254801	A1	2008-10-16	US20080254801				
US20080261588	A1	2008-10-23	US20080261588				
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US20080268835	A1	2008-10-30	US20080268835				
US20080279123	A1	2008-11-13	US20080279123				
USRE42242	E1	2011-03-22	USRE42242				
US20120263079	A1	2012-10-18	US20120263079				

Abstract

(EP1364485)

Apparatus, and an associated method, for providing WLAN (**wireless** local area network) service through a fixed **wireless**

access communication system (10). WLAN transceivers (38) are fixed in position at subscriber stations (14) of the fixed **wireless** access communication system (10). Each WLAN transceiver (38) defines a coverage area. Through appropriate positioning of the WLAN transceivers (38) at the subscriber stations (14), overlapping coverage areas are formable and between which handovers of communications with a **mobile station** are effectuated when a **mobile station** travels out of one coverage area and into another coverage area.

Inventors

STRUHSAKER PAUL F

Latest standardized assignees - inventors removed

GENERAL ACCESS SOLUTIONS

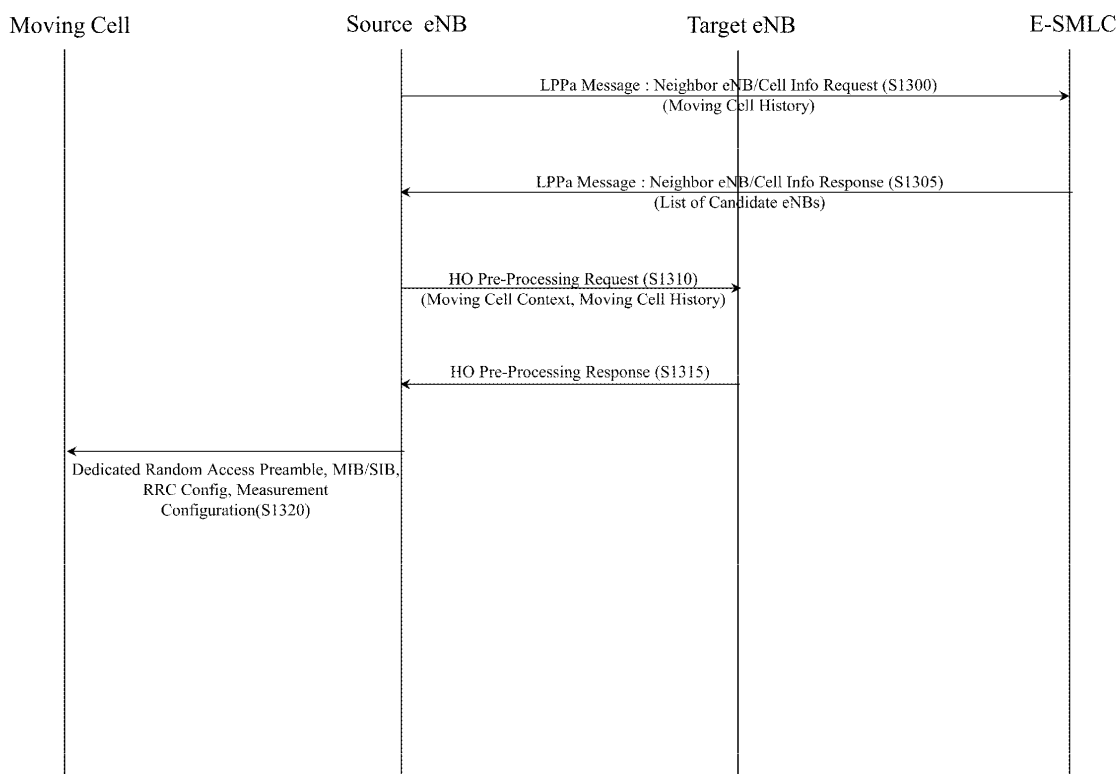
Family 9/36 - FAMPAT - ©Questel

Title

(EP3114882)

Method and apparatus for performing handover in **wireless** communication system

Images



Publication data including kind & date

WO2015133753	A1	2015-09-11	WO2015133753
WO2015133749	A1	2015-09-11	WO2015133749
CN106063329	A	2016-10-26	CN106063329
KR20160129837	A	2016-11-09	KR20160129837
KR20160129836	A	2016-11-09	KR20160129836
EP3114881	A1	2017-01-11	EP3114881
EP3114882	A1	2017-01-11	EP3114882
US20170013519	A1	2017-01-12	US20170013519
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US20170078935	A1	2017-03-16	US20170078935
JP2017512005	A	2017-04-27	JP2017512005
EP3114882	A4	2017-08-09	EP3114882



EP3114881	A4	2018-01-10	EP3114881
US10009809	B2	2018-06-26	US10009809
EP3114882	B1	2018-10-10	EP3114882
US10159024	B2	2018-12-18	US10159024

**Abstract**

(EP3114882)

A method for perform pre-processing for handover of a moving cell by a serving **base station**, the method comprises transmitting a handover pre-processing request message including **information** on a handover history of the moving cell, to at least one neighboring **base station** adjacent to the serving **base station**; receiving a pre-processing response message including at least one of a random access preamble allocated from the neighboring **base station**, radio resource control (RRC) configuration of the neighboring **base station** and system **information** of the neighboring **base station**, from the neighboring **base station**; and transmitting the pre-processing response message to the moving cell before handover of the moving cell is initiated.

Inventors

HAHN GENEBECK

CHUNG JAEHOON

LEE EUNJONG

KIM JINMIN

CHOI KUKHEON

NOH KWANGSEOK

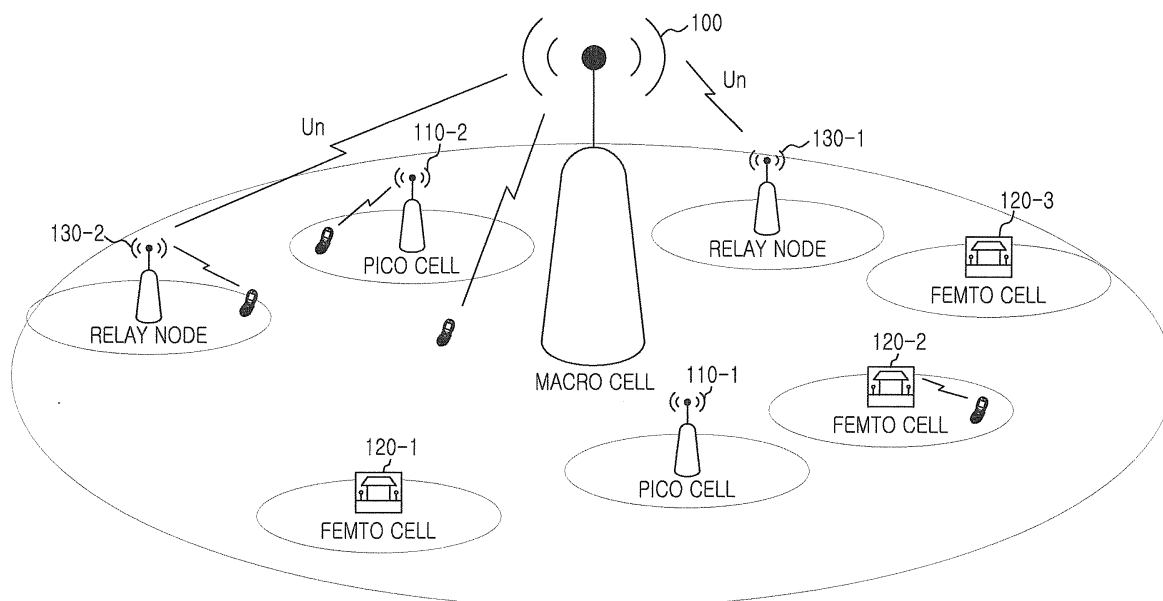
Latest standardized assignees - inventors removed

LG ELECTRONICS

Family 10/36 - FAMPAT - ©Questel

Title

(EP2578018)

Apparatus and method for supporting **mobility** in a heterogeneous **wireless** communication system**Images****Publication data including kind & date**

WO2011149316	A2	2011-12-01	WO2011149316
US20110294508	A1	2011-12-01	US20110294508
KR20110130782	A	2011-12-06	KR20110130782



WO2011149316	A3	2012-02-23	WO2011149316
CN103026753	A	2013-04-03	CN103026753
EP2578018	A2	2013-04-10	EP2578018
JP2013526239	A	2013-06-20	JP2013526239
JP5622930	B2	2014-11-12	JP5622930
EP2578018	A4	2017-01-11	EP2578018
KR101724371	B1	2017-04-10	KR101724371
CN103026753	B	2017-06-09	CN103026753B



Abstract

(EP2578018)

An apparatus and method in a heterogeneous **wireless** communication system reconnect a **Mobile Station** (MS) to a previously connected cell upon occurrence of a Radio Link Failure (RLF) in a current cell when a portion of a coverage of the second cell is included in a coverage of the first cell. A **Mobile Station** (MS) stores system **information** of a first **Base Station** (BS) of a first cell when performing handover from the first cell to a second cell. When changed system **information** of the first BS is received from a second BS of the second cell, the MS updates the stored system **information** using the changed system **information**. And when detecting that a connection with the second cell is lost prior to a handover from the second cell, the MS performs reconnection to the first BS using the stored system **information**.

Inventors

MIN CHAN-HO

KIM SOENG-HUN

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

Family 11/36 - FAMPAT - ©Questel

Title

(EP2003919)

Method for the terminals in **wireless** man to enter idle mode

Images

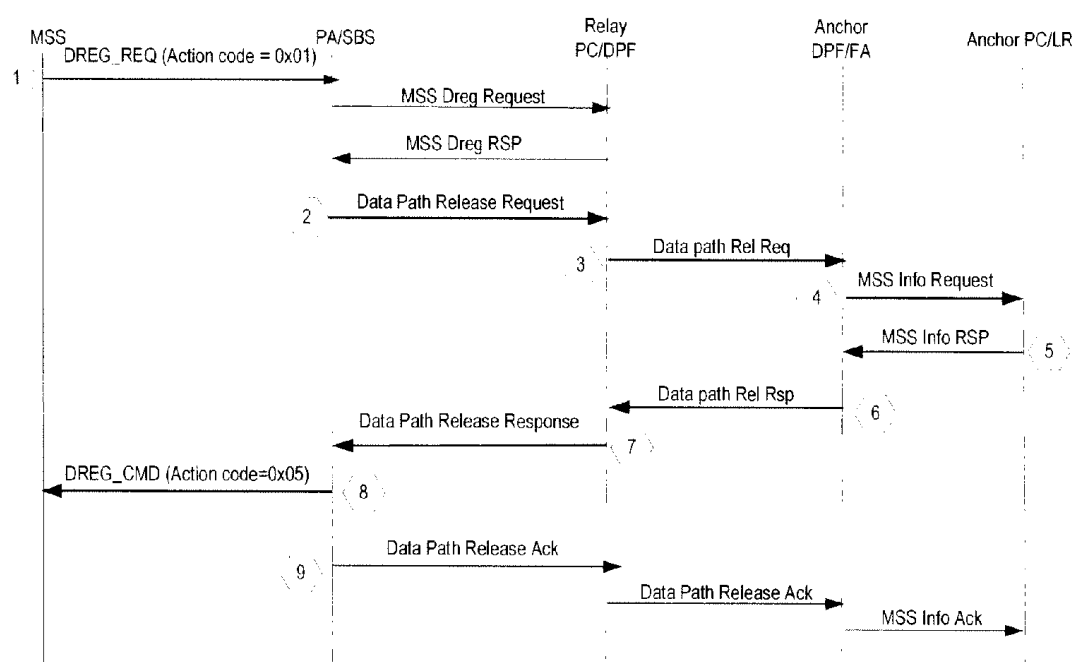
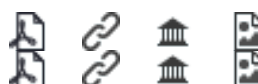


Figure 3

Publication data including kind & date

CN101064722	A	2007-10-31	CN101064722
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WO2007128240	A1	2007-11-15	WO2007128240
EP2003919	A1	2008-12-17	EP2003919
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EP2003919	B1	2013-08-28	EP2003919
CN101064722	B	2013-10-02	CN101064722B

**Abstract**

(EP2003919)

The present invention provides a method for enabling an MSS to enter the idle mode in a **wireless** MAN, including: the MSS sends a request to the BS/PA, requesting to enter the idle mode; the BS/PA responds to the request of the MSS, and notifies the DPF to release the link of the MSS after the network side determines that the MSS is allowed to enter the idle mode; after the link of the MSS is released, the BS/PA sends a DREG_CMD to the MSS, indicating success of location update; the BS/PA sends an acknowledgement to the Foreign Agent (FA), the FA sends an MSS Info Ack message to the anchor PC/LR, and the anchor PC/LR stores the **context information** of the MSS and finishes data update. The present invention enhances the integrity and stability of the process in which the MSS enters the idle mode.

Inventors

XIE YONG

WU JIANJUN

Latest standardized assignees - inventors removed

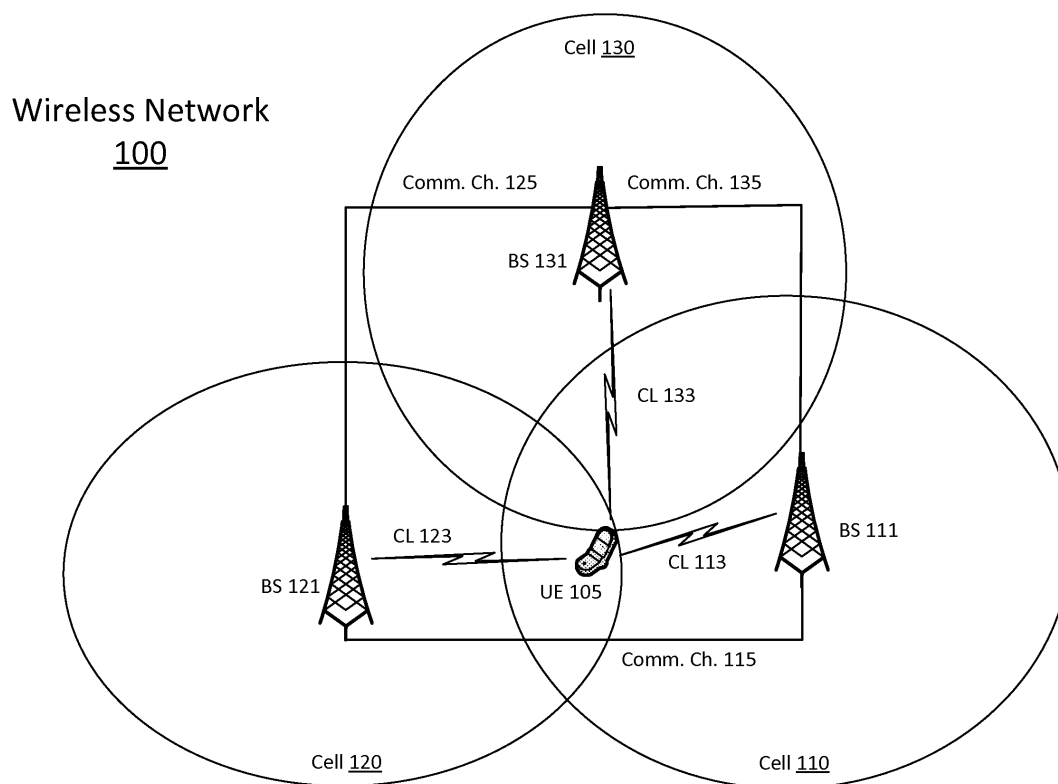
HUAWEI TECHNOLOGIES

Family 12/36 - FAMPAT - ©Questel

Title

(EP3386232)

Coverage adjustment in e-utra networks

Images**Publication data including kind & date**

NL2011259	A	2014-02-04	NL2011259
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WO2014022797	A1	2014-02-06	WO201422797			
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WO2014022038	A1	2014-02-06	WO201422038			
WO2014022016	A1	2014-02-06	WO201422016			
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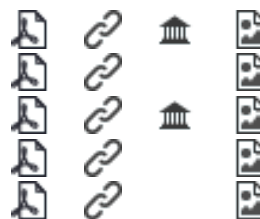
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**Abstract**

(EP3386232)

Embodiments of systems and techniques for coverage adjustment in evolved universal terrain radio access networks (E-UTRANs) are described. In some embodiments, a network management (NM) apparatus may receive data representative of first and second radio link failure (RLF) reports including **information** related to respective disconnections of first and second user equipment (UEs) from an E-UTRAN. The NM apparatus may identify a hole in a coverage area of the E-UTRAN based at least in part on the first and second RLF reports, and may perform an automated coverage and capacity optimization (CCO) action to reconfigure cell resources of the E-UTRAN based on the identified hole. Other embodiments may be described and claimed.

Inventors

CHOU JOEY

MENA JORGE

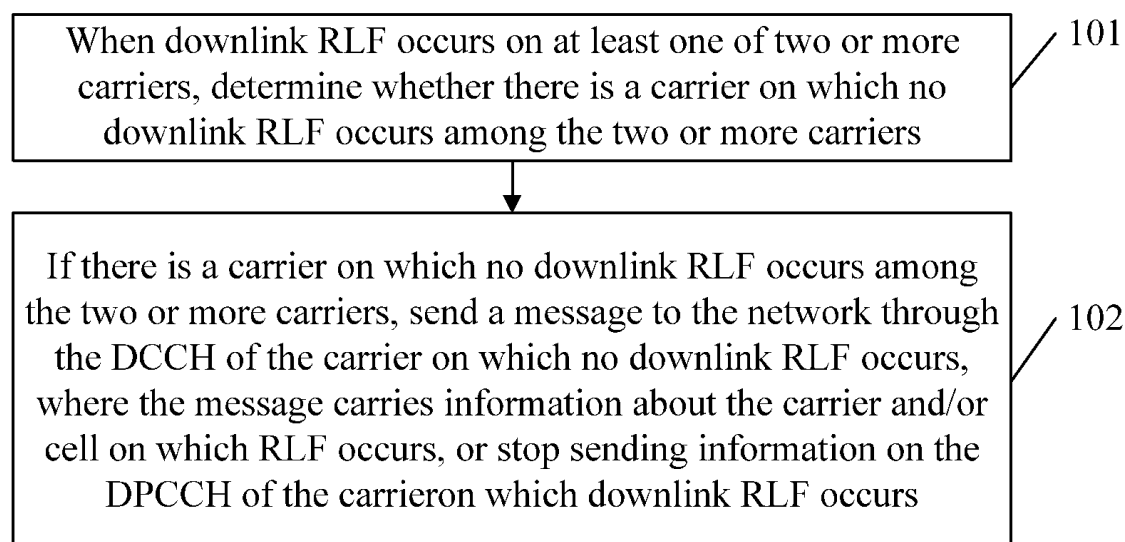
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INTEL

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Title

(EP2645793)

Radio link failure processing method and **base station****Images****Publication data including kind & date**

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Abstract

(EP2645793)

A method for processing radio link failure (RLF) includes: determining, by a **base station**, whether an uplink RLF occurs on a primary carrier or at least one secondary carrier when the **base station** communicates with a user equipment (UE) through the primary carrier and the at least one secondary carrier; stopping, by the **base station**, sending **information** on a downlink dedicated physical channel or fractional dedicated physical channel (DPCH/F-DPCH) of a secondary carrier of the at least one secondary carrier if the uplink RLF occurs on the secondary carrier; keeping, by the **base station**, communication between the **base station** and the UE through one or more other carriers on where the uplink RLF does not occur; and setting, by the **base station**, a state of the secondary carrier to a deactivated state after the **base station** stops sending the **information** on the downlink DPCH/F-DPCH

Inventors

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Latest standardized assignees - inventors removed

HUAWEI TECHNOLOGIES

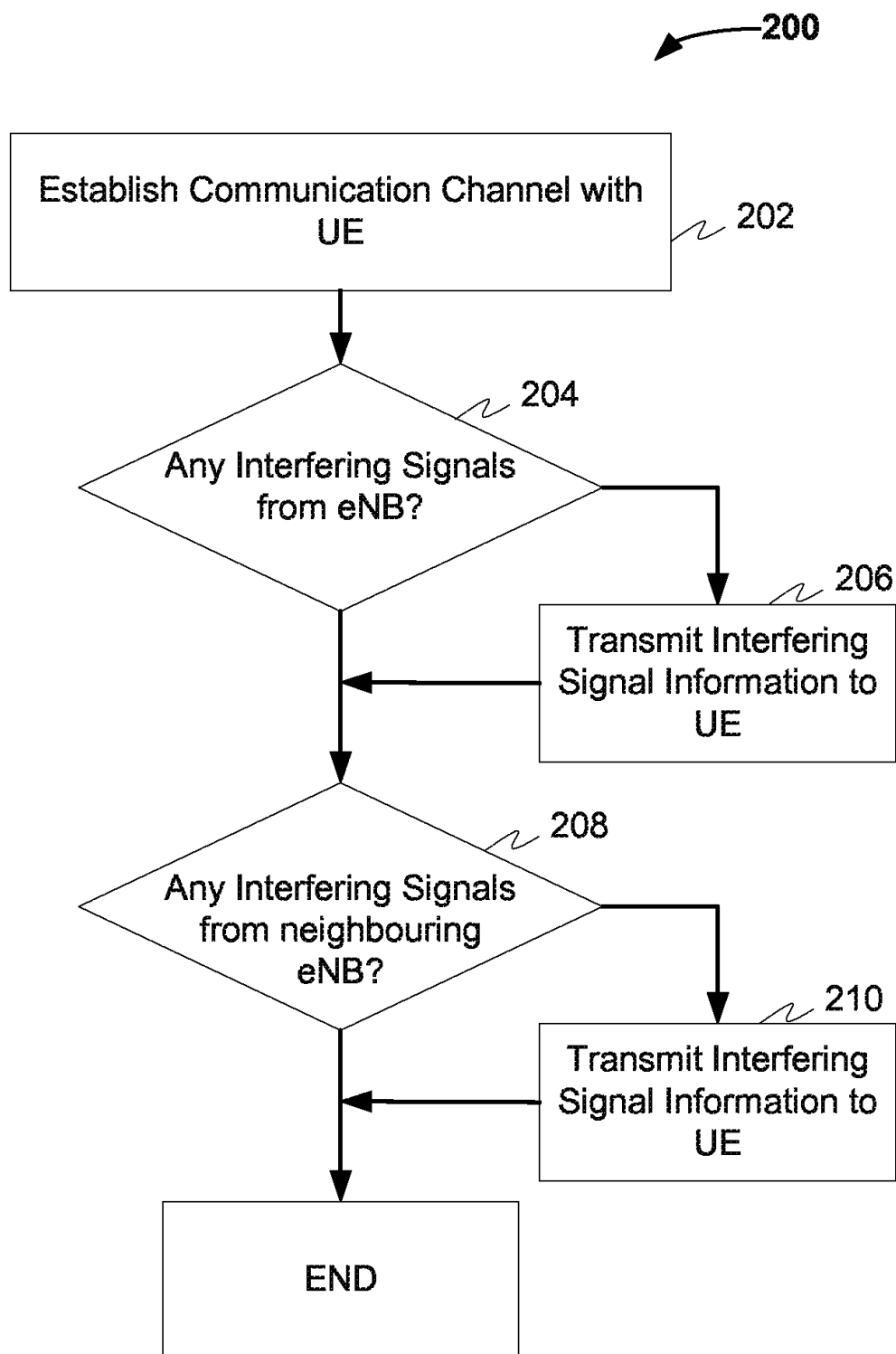
Family 14/36 - FAMPAT - ©Questel

Title

(EP3031295)

Network management

Images

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US10159002	B2	2018-12-18	US10159002				
EP3031284	B1	2018-12-26	EP3031284				

Abstract

(EP3031295)

Embodiments relate to network management of a **wireless** network in which inactive cells are selectively activated thereby changing the radio environment of a user equipment. The changed radio environment is assessed to determine a preferred distribution of active cells for that user equipment.

Inventors

SERGEYEV VADIM

MALTSEV ALEXANDER

DAVYDOV ALEXEI

FWU JONG-KAE

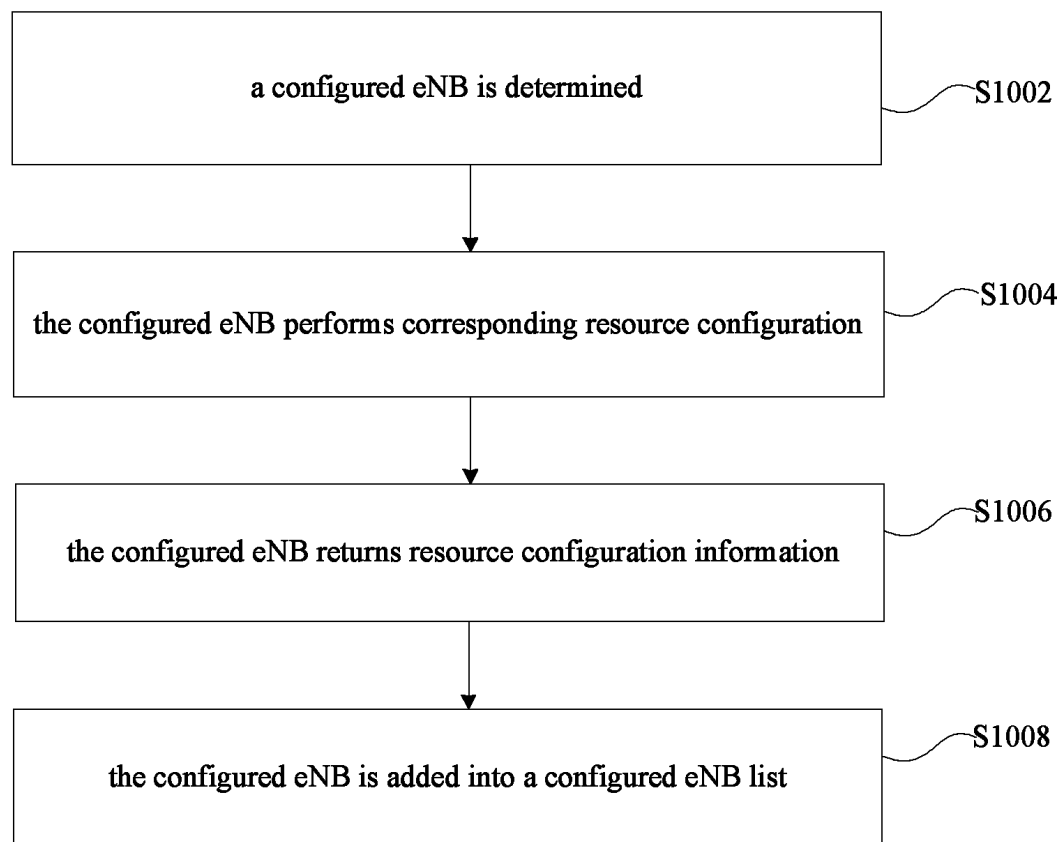
Latest standardized assignees - inventors removed

INTEL

Family 15/36 - FAMPAT - ©Questel

Title

(EP2947953)

Method, apparatus and system for **wireless** resource management**Images****Publication data including kind & date**

CN103945537	A	2014-07-23	CN103945537
WO2014110914	A1	2014-07-24	WO2014110914
US20150319748	A1	2015-11-05	US20150319748
EP2947953	A1	2015-11-25	EP2947953
EP2947953	A4	2016-01-27	EP2947953
US9775137	B2	2017-09-26	US9775137

**Abstract**

(EP2947953)

The present invention provides a Radio Resource Management (RRM) method, device and system. The method includes that: a first network element judges whether a target Evolved Universal Terrestrial Radio Access Network NodeB (eNB) of a terminal is a configured eNB or not, wherein the configured eNB is an eNB pre-storing **context information** of the terminal; and under the condition that the target eNB is the configured eNB, the first network element sends a notice of performing

communication according to the corresponding **context information** to the configured eNB and the terminal respectively. By the present invention, problems of serial Handover (HO) in a related technology are solved, and an effect of increasing an HO success rate is achieved.

Inventors

HUANG YADA

Latest standardized assignees - inventors removed

XI AN ZTE NEW SOFTWARE

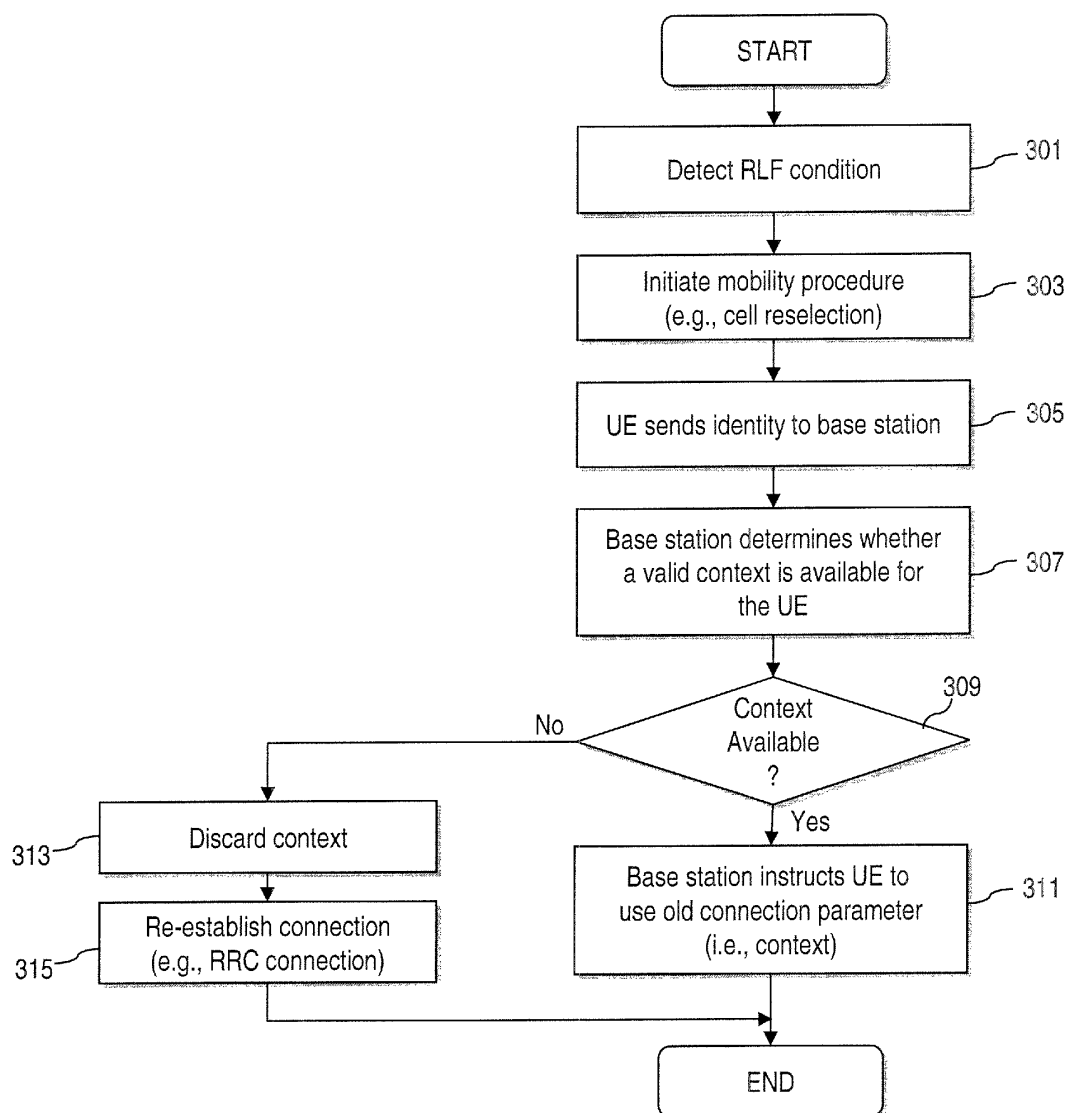
Family 16/36 - FAMPAT - ©Questel

Title

(EP2127456)

Method and apparatus for providing **context** recovery

Images



Publication data including kind & date

WO2008087524	A2	2008-07-24	WO200887524
US20080242292	A1	2008-10-02	US20080242292
WO2008087524	A3	2008-10-16	WO200887524
EP2127456	A2	2009-12-02	EP2127456
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RU2009130913	A	2011-02-27	RU2009130913
US8019334	B2	2011-09-13	US8019334



RU2433572

C2 2011-11-10 RU2433572

Abstract

(EP2127456)

An approach is provided for **context** recovery. A radio link failure condition of a **wireless** link employed by a **mobile** unit is detected. An identifier of the **mobile** unit is received. A determination is whether the **mobile** unit can re-use connection parameters that were established prior to the failure condition. The **mobile** unit is instructed to re-use the connection parameters based on the determination.

Inventors

KOSKELA JARKKO J

SEBIRE BENOIST P

Latest standardized assignees - inventors removed

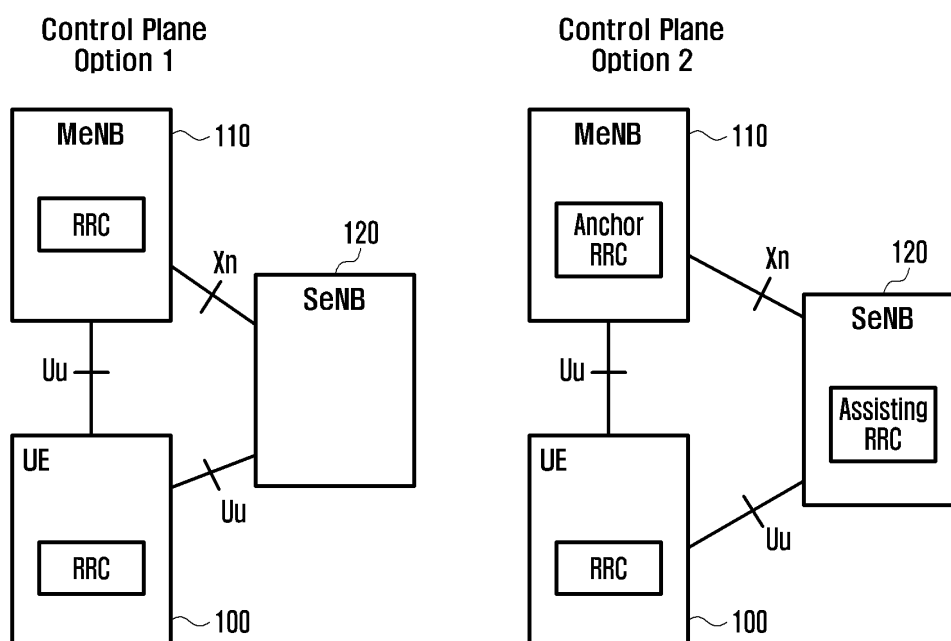
NOKIA

Family 17/36 - FAMPAT - ©Questel

Title

(WO2015115817)

Method and apparatus for performing handover of user equipment in **wireless** communication system supporting dual connectivity

Images**Publication data including kind & date**

US20150215824	A1	2015-07-30	US20150215824
KR20150090793	A	2015-08-06	KR20150090793
WO2015115817	A1	2015-08-06	WO2015115817
CN105981438	A	2016-09-28	CN105981438
US20170325135	A1	2017-11-09	US20170325135

**Abstract**

(WO2015115817)

A method of supporting a Handover (HO) by a master evolved Node B (eNB) in a **wireless** communication system

supporting dual connectivity of a User Equipment (UE) for the master eNB and a slave eNB is provided. The method includes when an HO of the UE to the slave eNB is determined, transmitting an HO request message to a target slave eNB, when a HO Ack message is received from the target slave eNB, transmitting an HO trigger request message including identification **information** of the target slave eNB to a source slave eNB, and when a resource release message is received from the target slave eNB, transmitting an HO success indicator to the source slave eNB.

Inventors

NIGAM ANSHUMAN

JUNG JUNGSOO

MOON JUNGMIN

RYOO SUNHEUI

LEE SUNGJIN

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

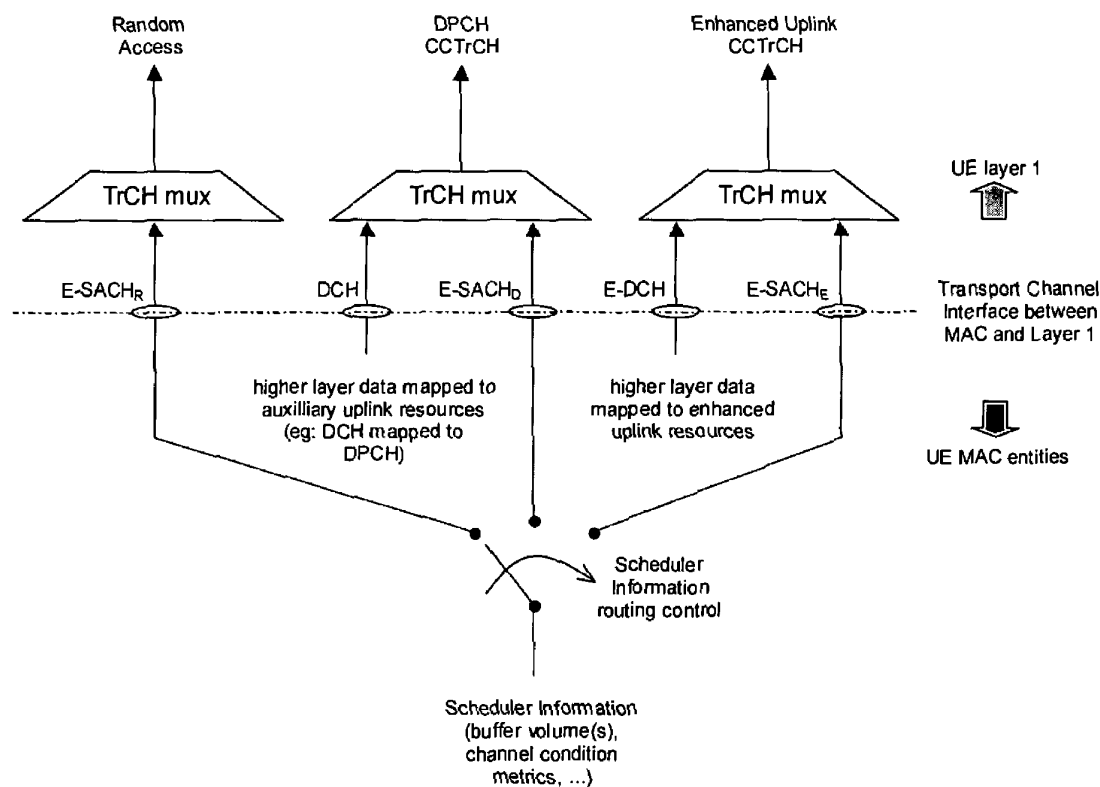
Family 18/36 - FAMPAT - ©Questel

Title

(EP2999290)

Signaling scheduling assistance data in a cellular communication system

Images



Publication data including kind & date

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GB2425917	A	2006-11-08	GB2425917
WO2006117252	A1	2006-11-09	WO2006117252
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KR20080009152	A	2008-01-24	KR20080009152
KR20080013938	A	2008-02-13	KR20080013938
EP1886522	A1	2008-02-13	EP1886522



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EP2357871	A1	2011-08-17	EP2357871				
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EP2357871	B1	2018-04-04	EP2357871				
ES2668685	T3	2018-05-21	ES2668685				
EP2999290	B1	2018-12-26	EP2999290				

Abstract

(EP2999290)

A User Equipment, UE, of a cellular communication system transmits scheduling assistance data to a **base station** comprising a **base station** scheduler which schedules packet data. The scheduling assistance data relates to packet data communication of the UE. The scheduling assistance data is generated by a scheduling assistance data generator coupled to a packet data transmit buffer associated with the packet data transmission. A first transport channel controller allocates other data to a first transport channel and a retransmission controller operates a retransmission scheme for this transport channel. A second transport channel controller allocates the scheduling assistance data to a signalling transport channel and a transport channel multiplexer combines the two transport channels as multiplexed channels on a single physical resource. The transmission reliabilities for the retransmission and non-retransmission transport channels may be individually optimised.

Inventors

ANDERSON NICHOLAS WILLIAM

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LEGG PETER JONATHAN

Latest standardized assignees - inventors removed

SONY

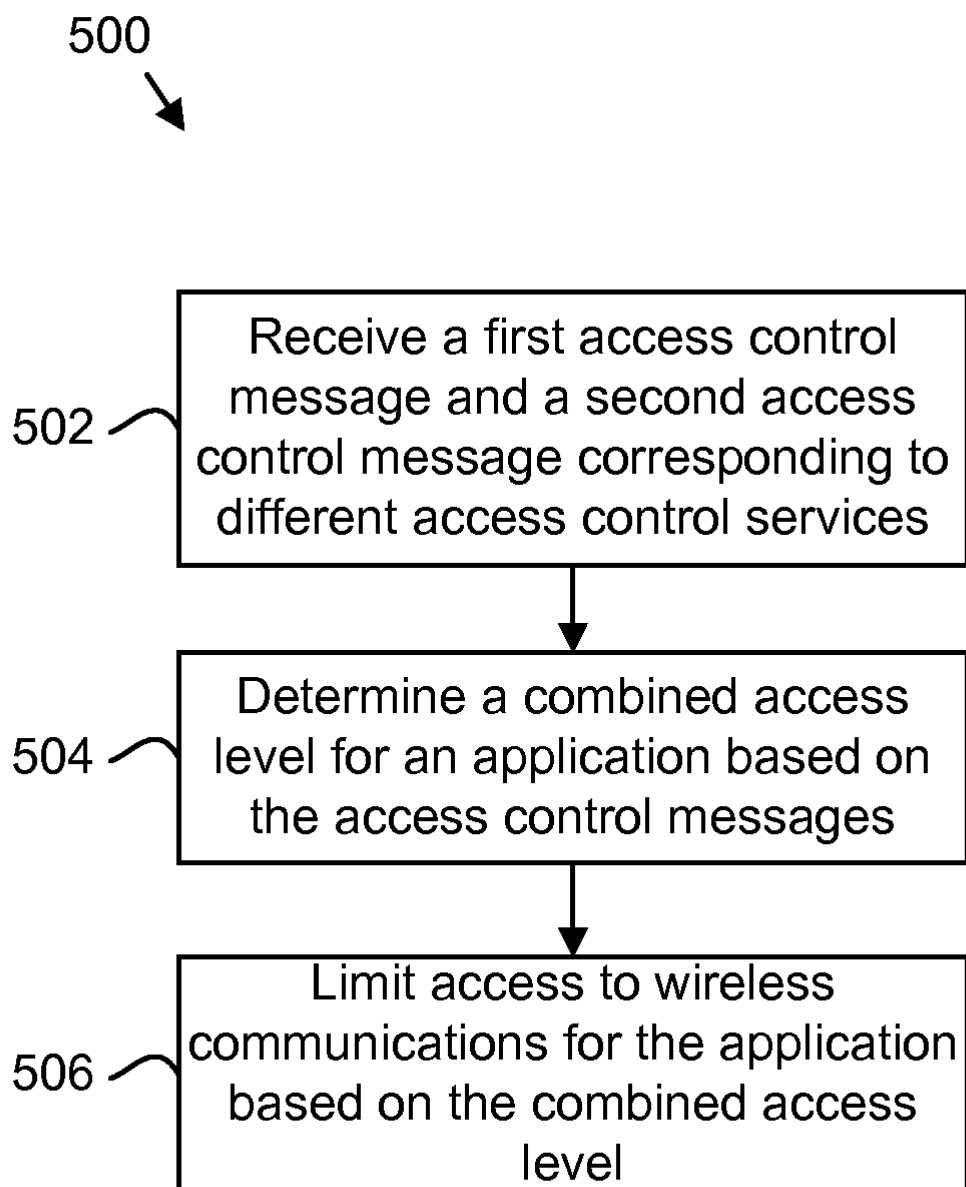
Family 19/36 - FAMPAT - ©Questel

Title

(EP3402302)

Discontinuous reception (drx) alignment techniques for dual-connectivity architectures

Images


Publication data including kind & date

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US20150195867	A1	2015-07-09	US20150195867
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Abstract

(EP3402302)

Discontinuous reception (DRX) alignment techniques for dual-connectivity architectures are described. In one embodiment, for example, user equipment (UE) may comprise one or more radio frequency (RF) transceivers, one or more RF antennas, and logic, at least a portion of which is in hardware, the logic to receive a radio resource control (RRC) configuration information message containing a small cell RRC configuration information element (IE), the small cell RRC configuration IE to contain a small cell discontinuous reception (DRX) configuration IE comprising one or more inter-cell-coordinated small cell DRX parameters, the logic to determine a start time for a small cell DRX cycle based on at least one of the one or more inter-cell-coordinated small cell DRX parameters and initiate the small cell DRX cycle at the determined start time. Other embodiments are described and claimed.

Inventors

VANNITHAMBY RATH

KOC ALI T

JHA SATISH C

SIVANESAN KATHIRAVETPILLAI

ZHANG YUJIAN

Latest standardized assignees - inventors removed

INTEL

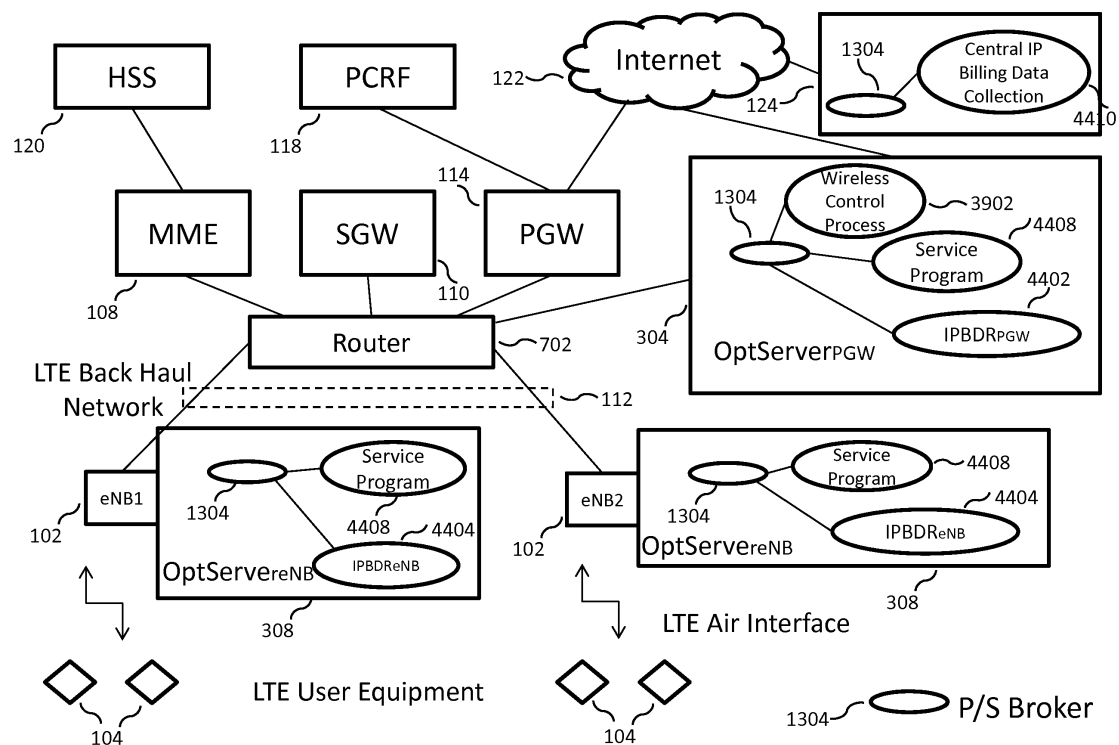
Family 20/36 - FAMPAT - ©Questel

Title

(EP3361697)

System of an all purpose broadband network

Images



Publication data including kind & date

US8565689	B1	2013-10-22	US8565689
CA2874867	A1	2013-12-19	CA2874867
US20130336176	A1	2013-12-19	US20130336176
WO2013188629	A2	2013-12-19	WO2013188629
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US10116455

B2 2018-10-30 US10116455

Abstract

(EP3361697)

The present disclosure is related to a large-scale broadband **wireless** network capable of providing a very high **wireless** data capacity. The broadband **wireless** network may comprise a publish-subscribe broker network for routing packets of sensor data, on behalf of the sensor device that publishes the sensor data, to any communicating entity that has subscribed to the sensor data and is supported by the publish-subscribe broker network.

Inventors

RUBIN HARVEY

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POTICNY DAVID M

Latest standardized assignees - inventors removed

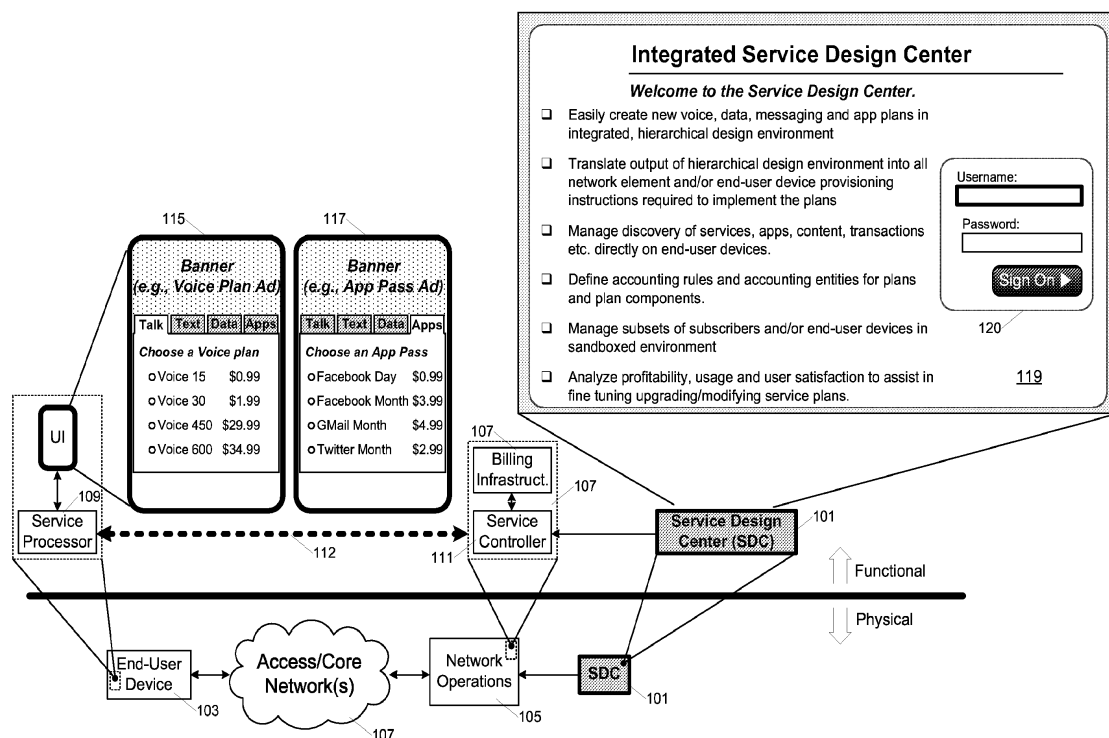
ALL PURPOSE NETWORKS

Family 21/36 - FAMPAT - ©Questel

Title

(EP3300303)

Flow tagging for service policy implementation

Images**Publication data including kind & date**

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WO2012040398	A1	2012-03-29	WO2012040398
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US10171990	B2	2019-01-01	US10171990
US10200541	B2	2019-02-05	US10200541

**Abstract**

(EP3300303)

A flow tagging technique includes tagging a data flow at a plurality of points in the data flow. For example, the data flow can be tagged at a socket and at a proxy manager API. By tagging the data flow at multiple points, it becomes possible to map network services usage activities to appropriate initiating applications.

Inventors

GREEN JEFFREY

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Latest standardized assignees - inventors removed

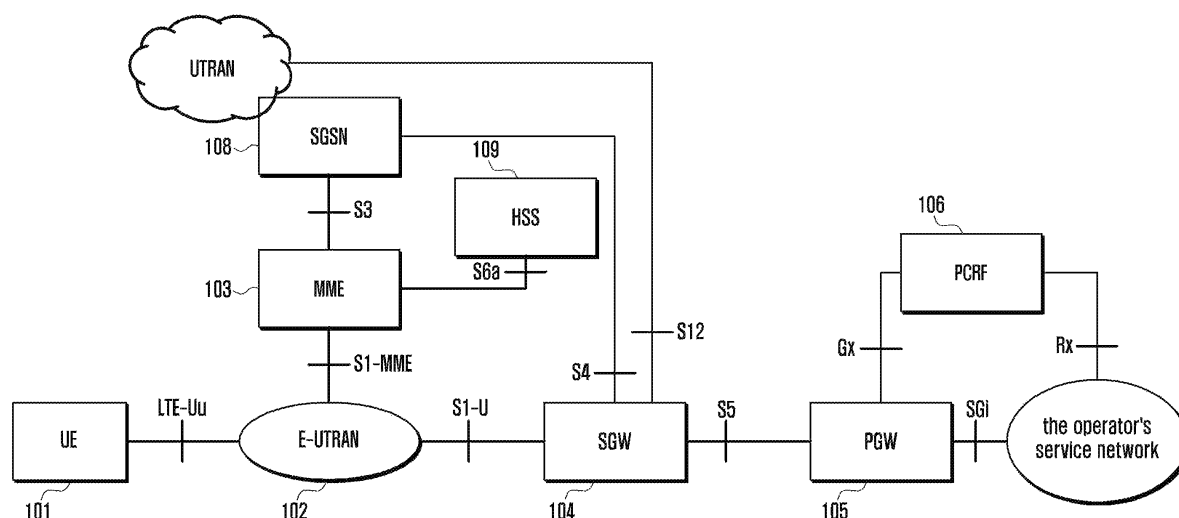
HEADWATER RESEARCH

Family 22/36 - FAMPAT - ©Questel

Title

(EP2952057)

Switch supporting method

Images**Publication data including kind & date**

CN104066133	A	2014-09-24	CN104066133
WO2014148762	A1	2014-09-25	WO2014148762
HK1201666	A1	2015-09-04	HK1201666
KR20150133211	A	2015-11-27	KR20150133211
EP2952057	A1	2015-12-09	EP2952057
US20150365852	A1	2015-12-17	US20150365852
US20160029255	A1	2016-01-28	US20160029255
EP2952057	A4	2016-03-02	EP2952057
IN2823/KOLNP/2015	A	2016-07-01	IN2015KN02823
US9986469	B2	2018-05-29	US9986469

**Abstract**

(EP2952057)

The present application discloses a switch supporting method comprising: an eNB sends a path switching request message to an MME to notify the MME of **information** on a bearer remaining unchanged; the MME reserves the bearer remaining unchanged and does not trigger a deactivation process for the bearer remaining unchanged; the MME sends a modify bearer request message to an SGW. With the present application, data loss can be avoided and service continuity is ensured when a UE moves in a small cell scenario.

Inventors

XU LIXIANG

WANG HONG

KE XIAOWAN

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

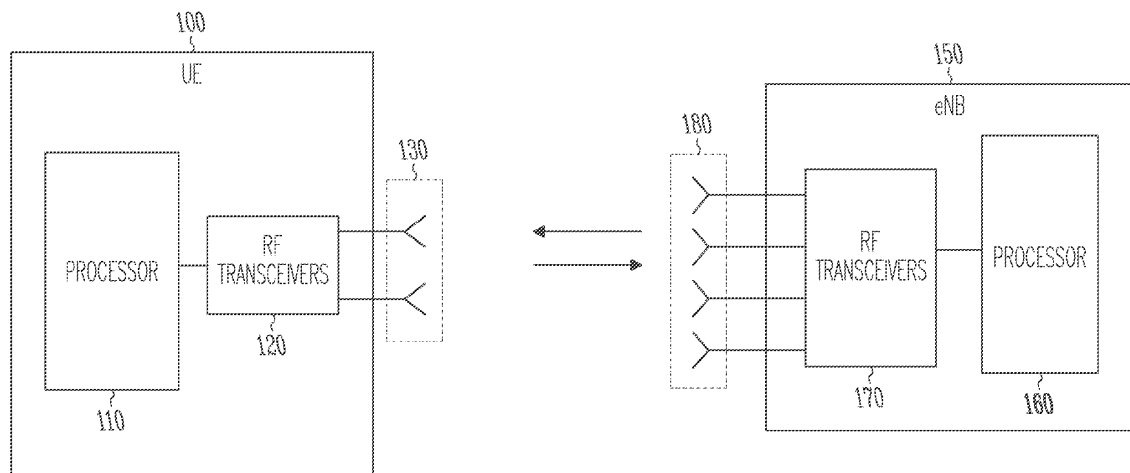
Family 23/36 - FAMPAT - ©Questel

Title

(EP2944135)

A method and apparatus for the management of cell interference in a **wireless** communication network

Images



Publication data including kind & date

US20140198637	A1	2014-07-17	US20140198637
WO2014109797	A1	2014-07-17	WO2014109797
WO2014109873	A1	2014-07-17	WO2014109873
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Abstract

(EP2944135)

A method and system for managing inter-cell interference for a plurality of neighboring **wireless** communication cells in a **wireless** network is disclosed. Power data indicative of a received power level for a signal from the **base station** for any user equipment in an outer region of a cell is determined by a **base station** for each of a plurality of neighboring cells. Number data indicating at least one of a number and a relative number of user equipments within the outer region of a cell is also determined by each **base station** from the timing of a signal between the **base station** and the user equipment. The power data and the number data is transmitted to a central manager, where the power data and the number data for the cells is processed to compute a power level in each of a plurality of sub-bands for transmission by each **base station**. The computed power level in each sub-band is transmitted back to each **base station** for the control of the power level transmitted by the **base station** in each sub-band.

Inventors

CHOU JOEY

HE HONG

PINHEIRO ANA LUCIA

Latest standardized assignees - inventors removed

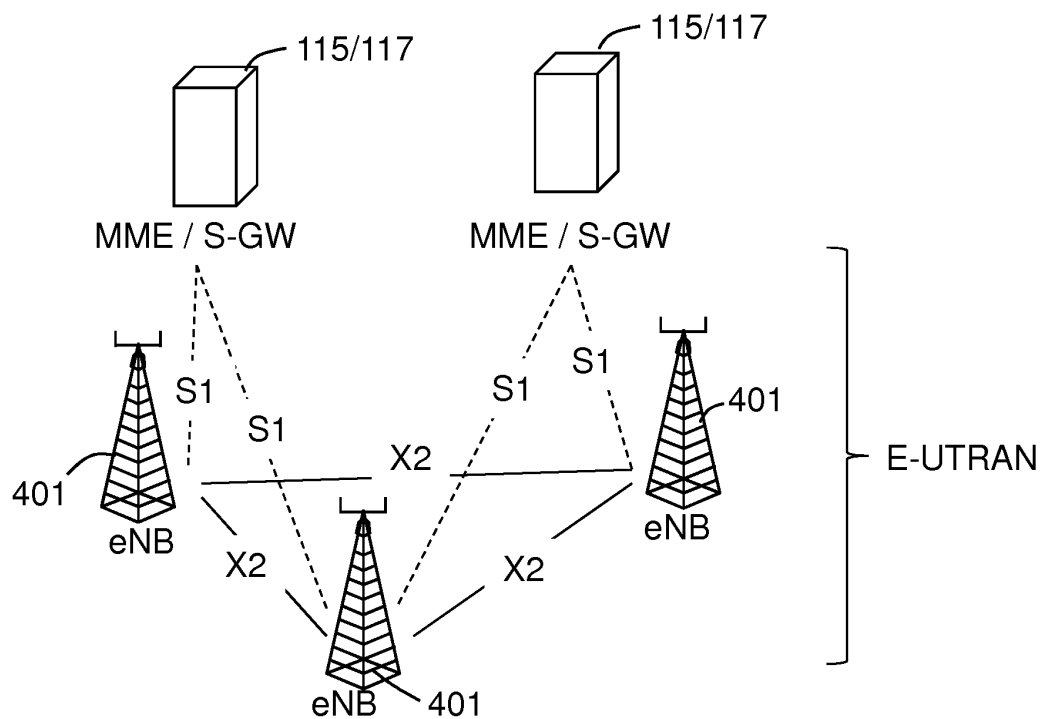
INTEL

Family 24/36 - FAMPAT - ©Questel

Title

(EP3429270)

Node and method for enabling a **wireless** terminal to be served by multiple cells in a communications network**Images**



Publication data including kind & date

WO2014021765	A2	2014-02-06	WO201421765				
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CN104509167	A	2015-04-08	CN104509167				
EP2880908	A2	2015-06-10	EP2880908				
EP2880911	A2	2015-06-10	EP2880911				
EP2880910	A2	2015-06-10	EP2880910				
EP2880909	A2	2015-06-10	EP2880909				
JP2015530019	A	2015-10-08	JP2015530019				
IN0507/KOLNP/2015	A	2015-12-18	IN2015KN00507				
US9462513	B2	2016-10-04	US9462513				
US9479973	B2	2016-10-25	US9479973				
EP2880911	B1	2016-11-16	EP2880911				
US9510248	B2	2016-11-29	US9510248				
MX345527	B	2017-02-03	MX-345527				
EP2880910	B1	2017-04-05	EP2880910				
EP2880909	B1	2017-04-05	EP2880909				

EP2880908	B1	2017-04-19	EP2880908				
EP3220685	A1	2017-09-20	EP3220685				
EP3247151	A1	2017-11-22	EP3247151				
RU2642831	C1	2018-01-29	RU2642831				
JP6321643	B2	2018-05-09	JP6321643				
EP3337235	A1	2018-06-20	EP3337235				
EP3340680	A1	2018-06-27	EP3340680				
EP3429270	A1	2019-01-16	EP3429270				

Abstract

(EP3429270)

Example embodiments presented herein are directed towards a **wireless** terminal and **base station**, and corresponding methods therein, for providing a handover for a subset of bearers associated with the **wireless** terminal. The subset of bearers is less than a total number of bearers associated with the **wireless** terminal. Thus, upon the completion of the handover procedure, at least one bearer will stay connected with a source **base station**.

Inventors

TEYEB OUMER

CENTONZA ANGELO

WAGER STEFAN

JOHANSSON NIKLAS

GUNNARSSON FREDRIK

WALLENTIN PONTUS

Latest standardized assignees - inventors removed

ERICSSON

Family 25/36 - FAMPAT - ©Questel

Title

(EP1848166)

Method and apparatus for transmitting and receiving channel quality information in a wireless communication system

Images

SONG O-SOK

VAN LIESHOUT GERT-JAN

VAN DER VELDE HIMKE

Latest standardized assignees - inventors removed

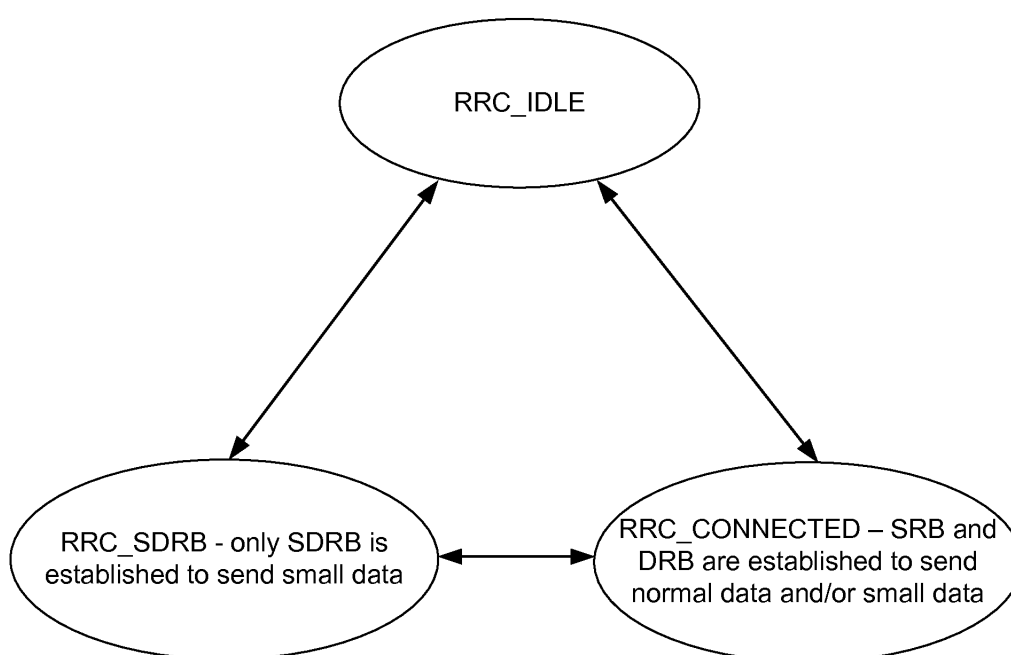
SAMSUNG ELECTRONICS

Family 26/36 - FAMPAT - ©Questel

Title

(EP2995105)

Security key refresh for dual connectivity

Images**Publication data including kind & date**

WO2014182338	A1	2014-11-13	WO2014182338
WO2014182340	A1	2014-11-13	WO2014182340
WO2014182911	A1	2014-11-13	WO2014182911
WO2014182774	A1	2014-11-13	WO2014182774
WO2014182339	A1	2014-11-13	WO2014182339
WO2014182382	A1	2014-11-13	WO2014182382
WO2014182388	A1	2014-11-13	WO2014182388
WO2014182383	A1	2014-11-13	WO2014182383
TW201507508	A	2015-02-16	TW201507508
TW201509222	A	2015-03-01	TW201509222
CN105103609	A	2015-11-25	CN105103609
CN105103606	A	2015-11-25	CN105103606
CN105122672	A	2015-12-02	CN105122672
CN105191200	A	2015-12-23	CN105191200
US20160029417	A1	2016-01-28	US20160029417
US20160044690	A1	2016-02-11	US20160044690



CN105340190	A	2016-02-17	CN105340190				
CN105359477	A	2016-02-24	CN105359477				
US20160057797	A1	2016-02-25	US20160057797				
US20160057636	A1	2016-02-25	US20160057636				
US20160057044	A1	2016-02-25	US20160057044				
US20160065290	A1	2016-03-03	US20160065290				
EP2995105	A1	2016-03-16	EP2995105				
EP2995057	A1	2016-03-16	EP2995057				
EP2995030	A1	2016-03-16	EP2995030				
EP2995019	A1	2016-03-16	EP2995019				
EP2995012	A1	2016-03-16	EP2995012				
US20160113050	A1	2016-04-21	US20160113050				
US20160157095	A1	2016-06-02	US20160157095				
EP2995057	A4	2016-12-14	EP2995057				
EP2995012	A4	2016-12-14	EP2995012				
EP2995105	A4	2016-12-21	EP2995105				
EP2995030	A4	2016-12-28	EP2995030				
EP2995019	A4	2017-01-04	EP2995019				
HK1217592	A1	2017-01-13	HK1217592				
HK1217591	A1	2017-01-13	HK1217591				
HK1217581	A1	2017-01-13	HK1217581				
TWI572223	B	2017-02-21	TWI572223				
TWI573487	B	2017-03-01	TWI573487				
HK1218813	A1	2017-03-10	HK1218813				
HK1221089	A1	2017-05-19	HK1221089				
HK1221561	A1	2017-06-02	HK1221561				
CN107079289	A	2017-08-18	CN107079289				
US9900772	B2	2018-02-20	US9900772				
US9954587	B2	2018-04-24	US9954587				
CN105340190	B	2018-10-23	CN105340190B				
CN105122672	B	2018-11-27	CN105122672B				
US10153816	B2	2018-12-11	US10153816				
CN105103606	B	2018-12-11	CN105103606B				
US10164693	B2	2018-12-25	US10164693				
EP2995019	B1	2019-01-30	EP2995019				

Abstract

(EP2995105)

Embodiments have a master eNB with a control plane and optional data plane to user equipment and a secondary eNB with a data plane to the user equipment. The user equipment thus uses both the master eNB and the secondary eNB for data communications while receiving control **information** from only the master eNB. The master eNB and secondary eNB are connected with an X2 interface. When the secondary eNB desires to refresh its security key, it informs the master eNB using the X2 interface. The master eNB then uses its control plane with the user equipment to initiate a security key refresh for the secondary eNB.

Inventors

ZHANG YUJIAN

HEO YOUN HYOUNG

LUFT ACHIM

Latest standardized assignees - inventors removed

INTEL

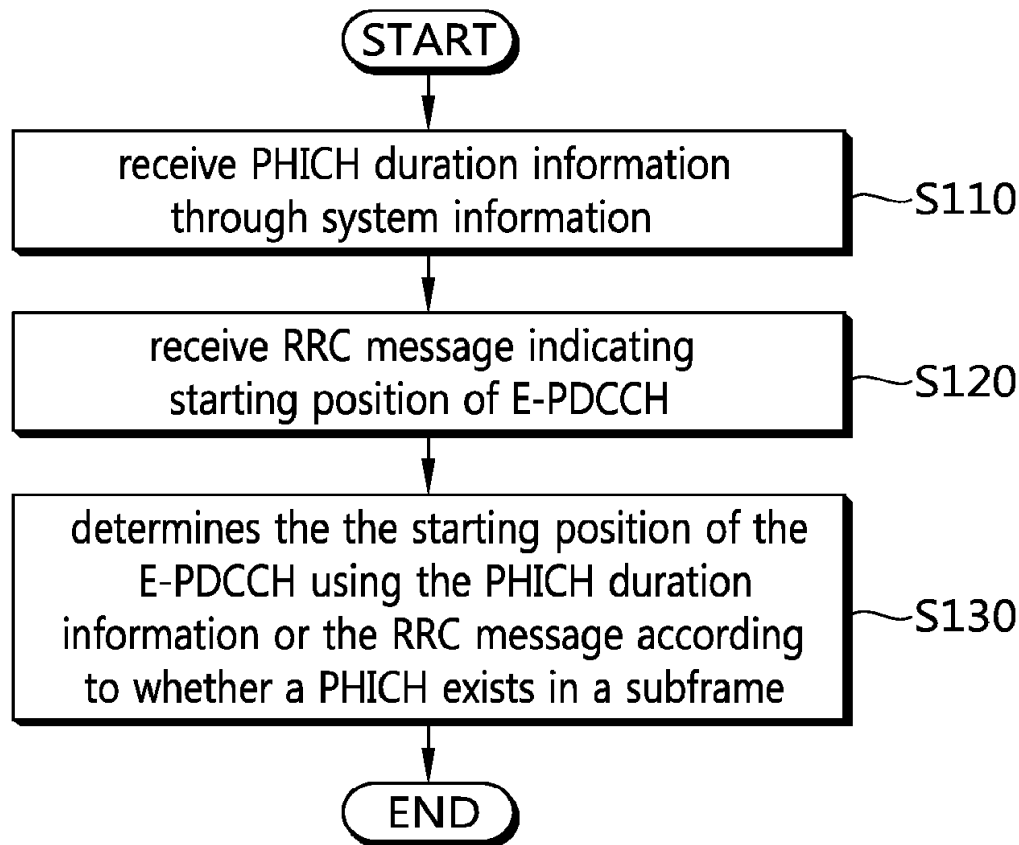
Family 27/36 - FAMPAT - ©Questel

Title

(WO201451360)

Method and apparatus for receiving ack/nack in wireless communication system

Images



Publication data including kind & date

WO2014051360	A1	2014-04-03	WO201451360				
CN104685808	A	2015-06-03	CN104685808				
US20150256316	A1	2015-09-10	US20150256316				
US9497012	B2	2016-11-15	US9497012				
US20170019232	A1	2017-01-19	US20170019232				
US9780940	B2	2017-10-03	US9780940				
US20170366324	A1	2017-12-21	US20170366324				
CN104685808	B	2018-01-16	CN104685808B				
CN107979450	A	2018-05-01	CN107979450				
US10057039	B2	2018-08-21	US10057039				

Abstract

(WO201451360)

The present invention provides a method for receiving acknowledgement/not-acknowledgement (ACK/NACK) of a terminal in a **wireless** communication system. The method transmits uplink data through an uplink data channel and receives ACK/NACK for the uplink data. The uplink data channel is transmitted through aggregated carriers and the aggregated carriers include a first band recognizable to first and second type terminals and a second band recognizable only to the

second type terminal.

Inventors

SEO DONG YOUN

YI YUN JUNG

SEO HAN BYUL

AHN JOON KUI

Latest standardized assignees - inventors removed

LG ELECTRONICS

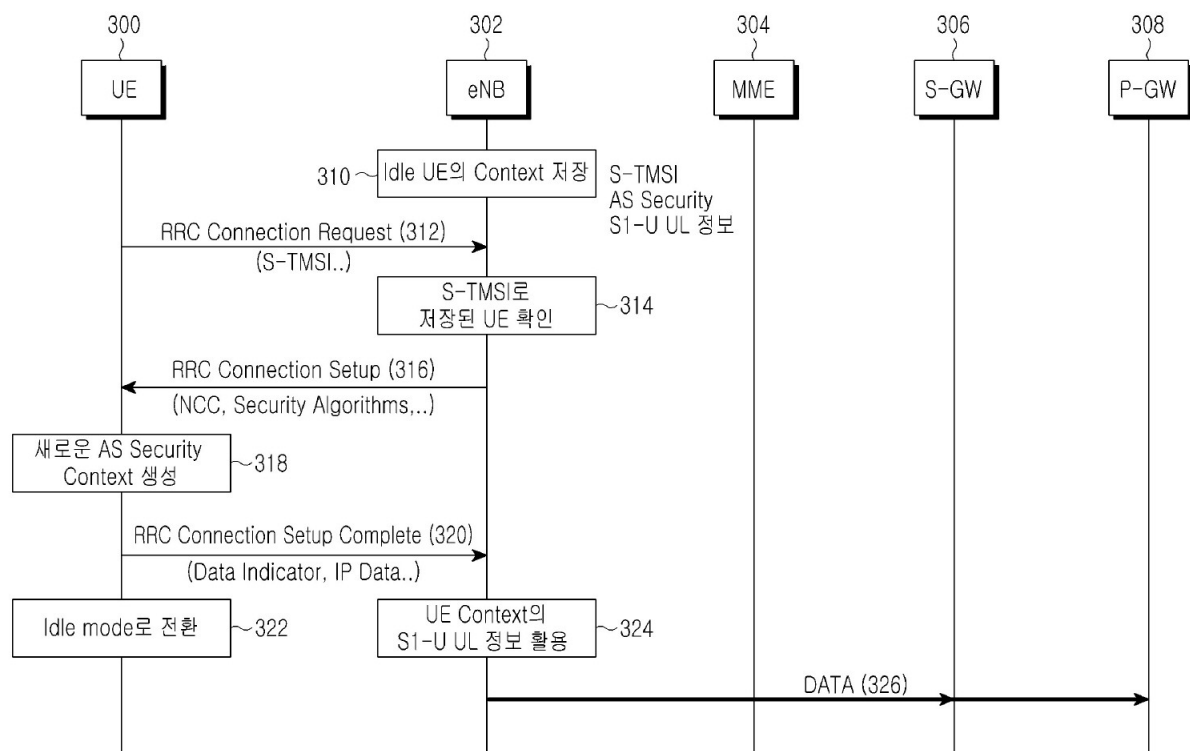
Family 28/36 - FAMPAT - ©Questel

Title

(KR20110049622)

Method and apparatus for transmission data in **wireless** communication network system

Images



Publication data including kind & date

[KR20110049622](#) A 2011-05-12 KR20110049622



Abstract

(KR20110049622)

PURPOSE: A data transmitting method in a **wireless** communication network system is provided to reduce the signaling for acquiring **context information** of a **mobile** terminal of a **base station**. **CONSTITUTION:** A **base station**(302) including **information** of an idle mode user equipment(300) transmits a connecting operation mode to the user equipment when the idle mode user equipment is connected to the **base station**. The user equipment transmits small-sized data together with a connection request completion message to the **base station**. The **base station** transmits the data received from the user equipment through the network, and the user equipment returns back to an idle operation mode after data transmission. Thus, signaling the **base station** for acquiring **context information** of the user equipment can be reduced in order to provide the user equipment with an efficient data transmission environment.

Inventors

LIM CHAE GWON

CHO SONG YEAN

CHOI SUNG HO

BAE BEOM SIK

KIM SANG BUM

LIM HAN NA

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

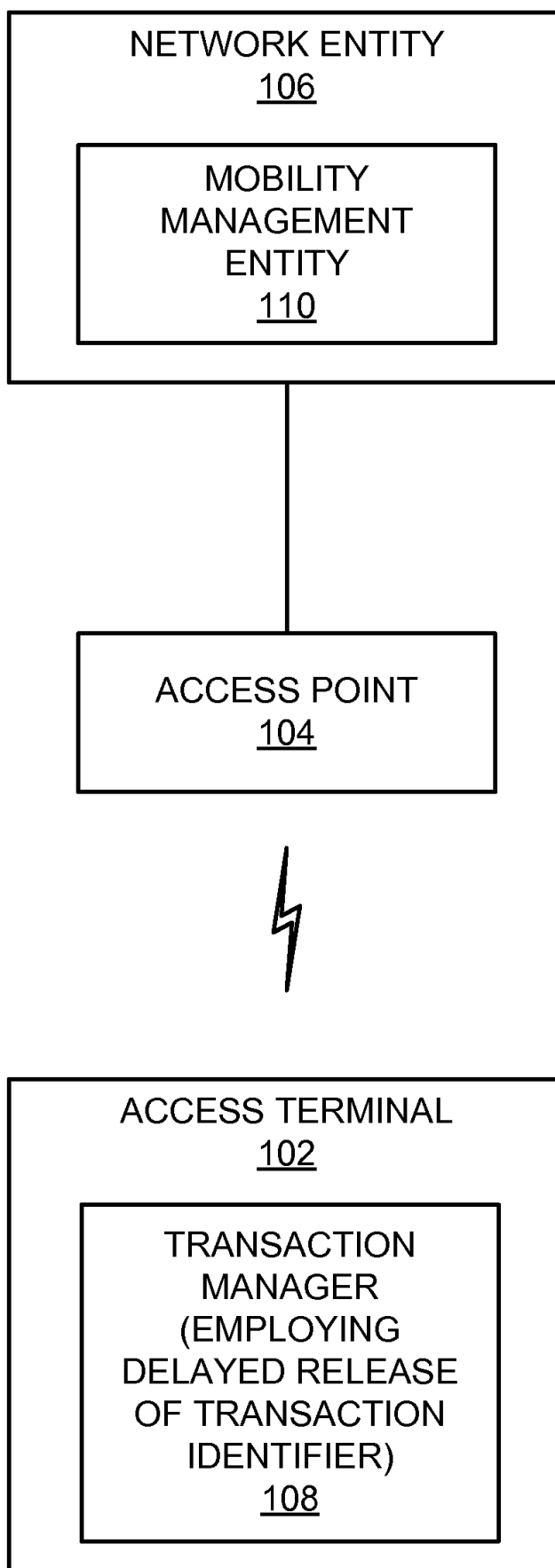
Family 29/36 - FAMPAT - ©Questel

Title

(EP2928259)

Transaction management

Images

100

Publication data including kind & date

CA2910099	A1	2010-11-25	CA2910099				
WO2010135473	A1	2010-11-25	WO2010135473				
CA2761217	A1	2010-11-25	CA2761217				
TW201105153	A	2011-02-01	TW201105153				
US20110130157	A1	2011-06-02	US20110130157				
SG175439	A1	2011-12-29	SG-175439				
KR20120023819	A	2012-03-13	KR20120023819				
EP2433467	A1	2012-03-28	EP2433467				
VN29495	A	2012-04-25	VN--29495				
CN102428742	A	2012-04-25	CN102428742				
ZA201109331	B	2012-08-29	ZA201109331				
JP2012527844	A	2012-11-08	JP2012527844				
BRPI1011035	A1	2012-11-27	BR201011035				
IN8416/CHENP/2011	A	2013-05-17	IN2011CN08416				
RU2011152006	A	2013-06-27	RU2011152006				
KR20130125406	A	2013-11-18	KR20130125406				
UA105664	C2	2014-06-10	UA-105664				
RU2523176	C2	2014-07-20	RU2523176				
KR101440936	B1	2014-09-15	KR101440936				
SG10201404828Y	A	2014-10-30	SG10201404828Y				
US8929878	B2	2015-01-06	US8929878				
JP5661750	B2	2015-01-28	JP5661750				
CN102428742	B	2015-03-11	CN102428742B				
KR20150052325	A	2015-05-13	KR20150052325				
TWI487391	B	2015-06-01	TWI487391				
EP2433467	B1	2015-09-02	EP2433467				
EP2928259	A1	2015-10-07	EP2928259				
DK2433467	T3	2015-11-02	DK2433467T				
HK1169772	A1	2015-12-18	HK1169772				
ES2554837	T3	2015-12-23	ES2554837				
PT2433467	E	2015-12-24	PT2433467				
KR101620073	B1	2016-05-12	KR101620073				
HUE026068	T2	2016-05-30	HUE026068				
CA2761217	C	2016-08-16	CA2761217				
VN0015659	B	2016-08-25	VN--15659B				
CA2910099	C	2017-02-28	CA2910099				
EP2928259	B1	2017-07-19	EP2928259				
BRPI1011035	A2	2018-02-06	BR201011035				
MY165551	A	2018-04-03	MY-165551				

Abstract

(EP2928259)

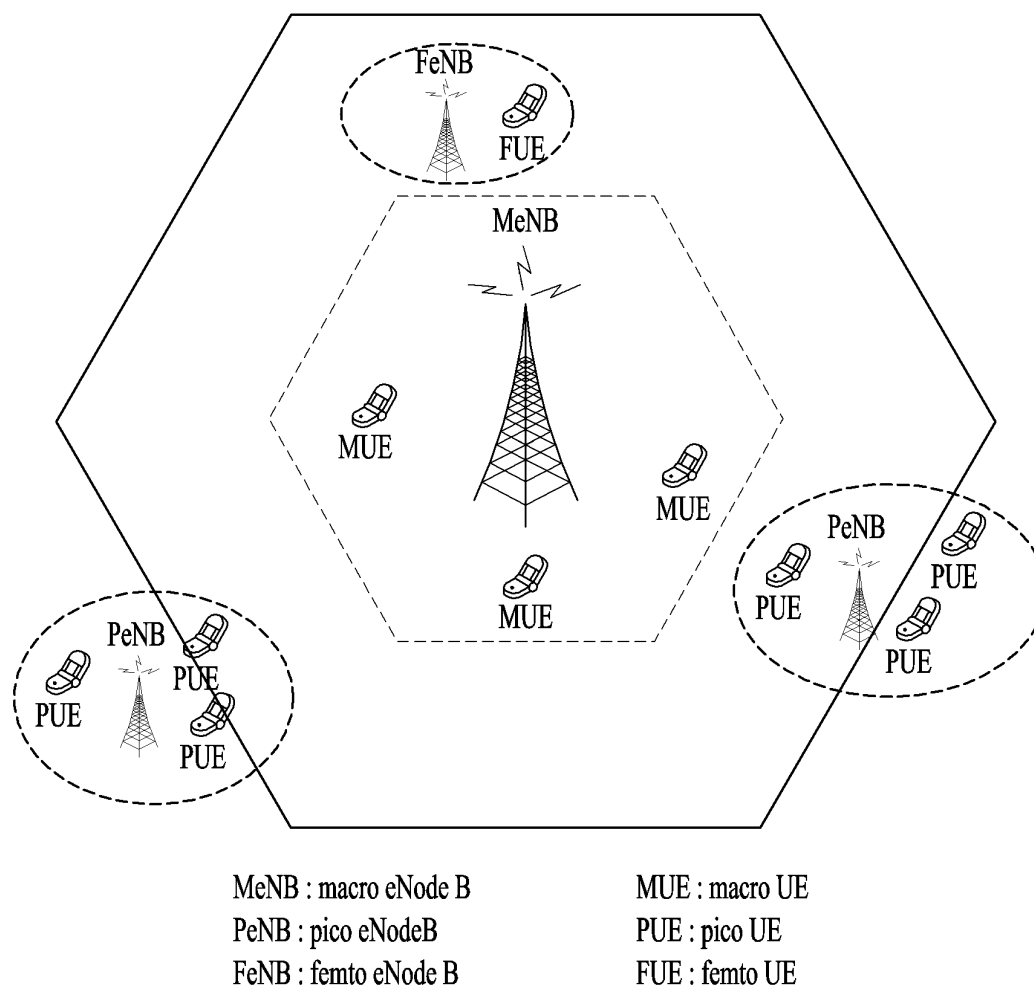
Transaction identifiers for transactions are managed to mitigate potential mismatches that may occur in the event a message associated with the transaction is not delivered to the intended destination. For example, in the event an access terminal accepts a bearer **context** request, the access terminal may not immediately release the transaction identifier associated with that transaction. In this way, in the event the access terminal receives a second bearer **context** request associated with that same transaction identifier (e.g., due to the accept message not reaching the network), the access terminal may send a second accept message in response to the second bearer **context** request.

Family 31/36 - FAMPAT - ©Questel

Title

(EP2983393)

Method for user equipment managing connection with small cell in heterogeneous cell environment

Images**Publication data including kind & date**

WO2014163448	A1	2014-10-09	WO2014163448
CN105103589	A	2015-11-25	CN105103589
KR20160008530	A	2016-01-22	KR20160008530
US20160037405	A1	2016-02-04	US20160037405
EP2983393	A1	2016-02-10	EP2983393
JP2016518066	A	2016-06-20	JP2016518066
EP2983393	A4	2016-11-09	EP2983393
JP6134054	B2	2017-05-24	JP6134054

**Abstract**

(EP2983393)

Disclosed are a macro cell **base station** and a method for managing a connection with a small cell by: receiving a first measurement report message of the small cell from user equipment and deciding an activation of the connection with the small cell based on same; transmitting to the small cell a message indicating the activation of a connection with the user equipment, when the small cell has a different cell ID from a cell ID of the macro cell; receiving from the small cell a message for indicating scheduling for the user equipment; and indicating to the user equipment the connection with the

small cell.

Inventors

CHOI HYEYOUNG

CHUNG JAEHOON

BYUN ILMU

LEE EUNJONG

CHO HEEJEONG

HAHN GENEBECK

Latest standardized assignees - inventors removed

LG ELECTRONICS

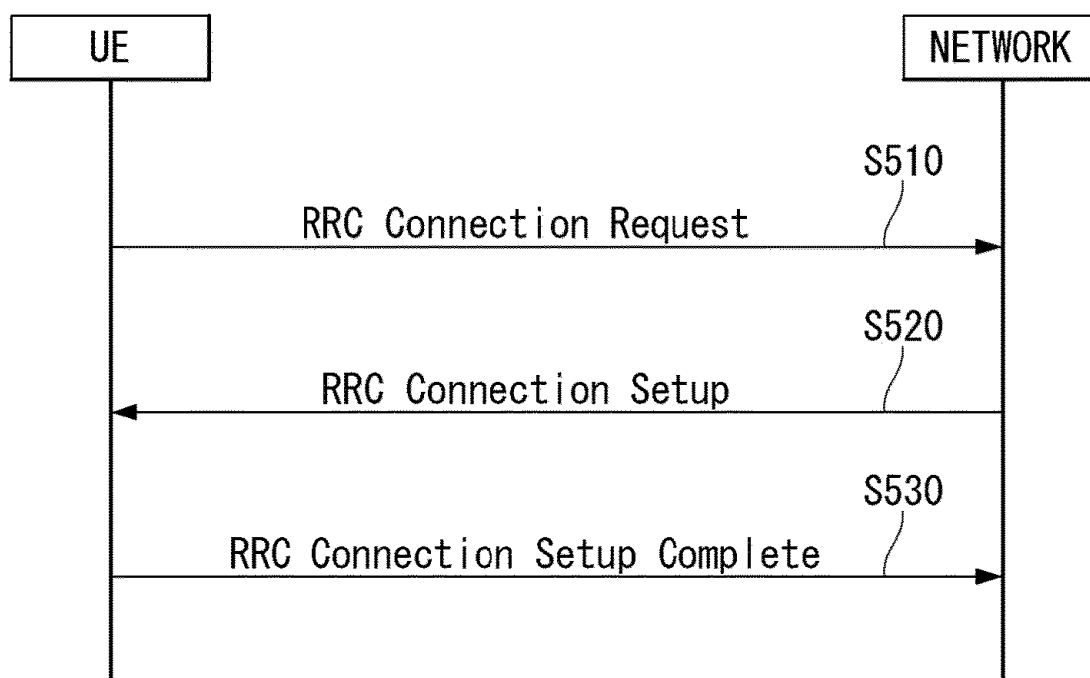
Family 32/36 - FAMPAT - ©Questel

Title

(EP3064028)

Method and apparatus for performing operation related to radio link failure in a heterogeneous network

Images



Publication data including kind & date

US20150124748	A1	2015-05-07	US20150124748
WO2015065129	A1	2015-05-07	WO2015065129
KR20160058919	A	2016-05-25	KR20160058919
CN105659688	A	2016-06-08	CN105659688
EP3064028	A1	2016-09-07	EP3064028
JP2016535499	A	2016-11-10	JP2016535499
JP6190058	B2	2017-08-30	JP6190058
EP3064028	A4	2017-10-11	EP3064028
KR101835472	B1	2018-04-19	KR101835472



Abstract

(EP3064028)

The present disclosure relates to a method of performing a dual-connectivity operation in a heterogeneous network by a first **base station**, the method comprising: transmitting to the second **base station** a first message to request that the second

GB2387510	B	2004-10-13	GB2387510				
MXPA04007854	A	2004-10-15	MX2004PA007854				
UA77049	C2	2004-10-15	UA--77049				
HK1058590	A1	2005-04-08	HK1058590				
IN0996/KOLNP/2004	A	2005-06-10	IN2004KN00996				
JP2005518135	A	2005-06-16	JP2005518135				
CN1633762	A	2005-06-29	CN1633762				
ZA200405611	B	2005-12-28	ZA200405611				
RU2004127673	A	2006-01-27	RU2004127673				
AU2003207130	B2	2006-09-07	AU2003207130				
RU2287228	C2	2006-11-10	RU2287228				
EP1337125	A3	2006-12-27	EP1337125				
KR100765123	B1	2007-10-11	KR100765123				
EP1876855	A2	2008-01-09	EP1876855				
US7356146	B2	2008-04-08	US7356146				
JP2008271583	A	2008-11-06	JP2008271583				
US20080293416	A1	2008-11-27	US20080293416				
JP4269161	B2	2009-05-27	JP4269161				
EP1876855	A3	2009-11-04	EP1876855				
US7706537	B2	2010-04-27	US7706537				
US20100178923	A1	2010-07-15	US20100178923				
US7889867	B2	2011-02-15	US7889867				
EP1337125	B1	2011-11-02	EP1337125				
AT532358	T	2011-11-15	ATE532358				
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JP4995146	B2	2012-08-08	JP4995146				
CN1633762	B	2013-07-10	CN1633762B				
EP1876855	B1	2016-04-20	EP1876855				
ES2578260	T3	2016-07-22	ES2578260				

Abstract

(EP1876855)

A method of relocating a serving radio network controller, comprising: sending at least one ciphering parameter value and a first sequence number from a first radio network controller to a second radio network controller; and using the at least one ciphering parameter value and the first sequence number for ciphering a first data to be sent to a terminal by the second radio network controller.

Inventors

YI SEUNG-JUNE

YEO WOON-YOUNG

LEE SO-YOUNG

HAN HYO-SANG

Latest standardized assignees - inventors removed

LG ELECTRONICS

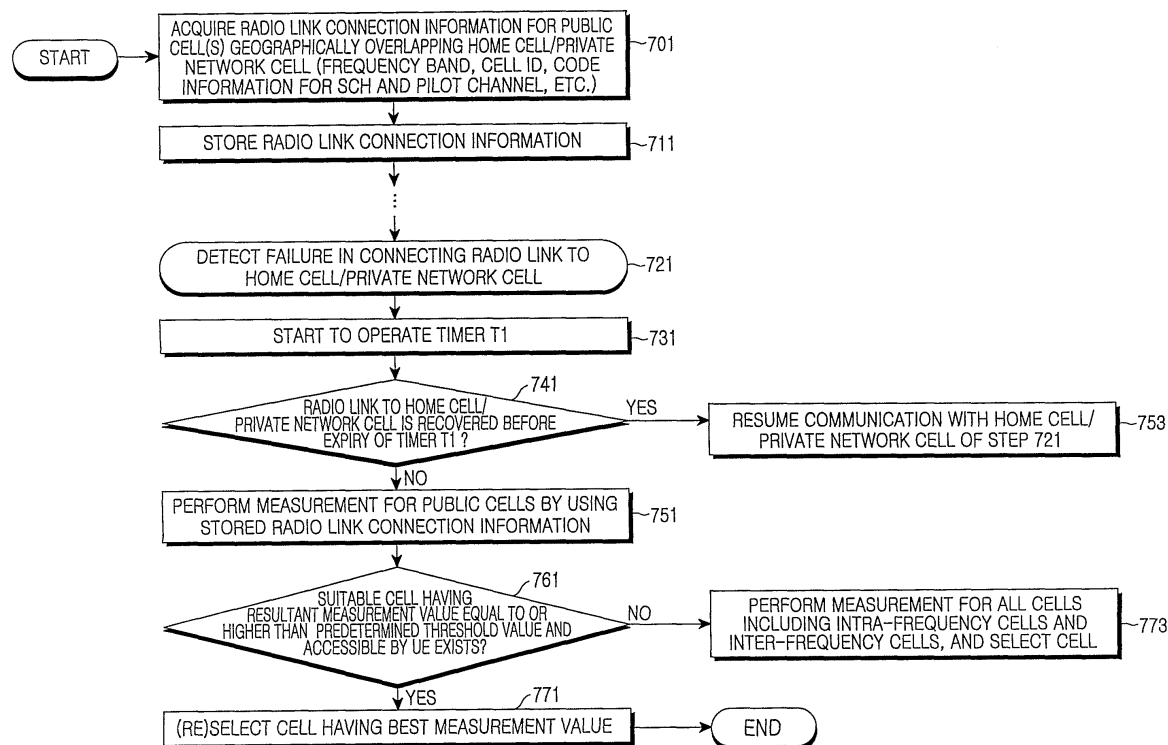
Family 34/36 - FAMPAT - ©Questel

Title

(EP2186220)

Apparatus and method for connecting radio link in **wireless** communication system having private network cell

Images



Publication data including kind & date

WO2009020362	A2	2009-02-12	WO200920362				
KR20090015850	A	2009-02-12	KR20090015850				
WO2009020362	A3	2009-04-09	WO200920362				
EP2186220	A2	2010-05-19	EP2186220				
CN101803236	A	2010-08-11	CN101803236				
KR101042829	B1	2011-06-20	KR101042829				
US20110177815	A1	2011-07-21	US20110177815				
EP2186220	A4	2014-01-15	EP2186220				
US8700043	B2	2014-04-15	US8700043				
US20140287764	A1	2014-09-25	US20140287764				
EP2186220	B1	2018-10-03	EP2186220				

Abstract

(EP2186220)

Disclosed is a method of connecting a radio link of a UE in a **wireless** communication system including a first cell and a second cell partially or completely overlapping the first cell, the method including the steps of, when the UE fails in connecting a radio link to the first cell for a given time, performing measurement for the second cell by using prestored radio link connection **information** for the second cell; and if a result of the measurement satisfies given cell selection conditions, selecting the second cell.

Inventors

JEONG KYEONG IN

KIM SOENG-HUN

Latest standardized assignees - inventors removed

SAMSUNG ELECTRONICS

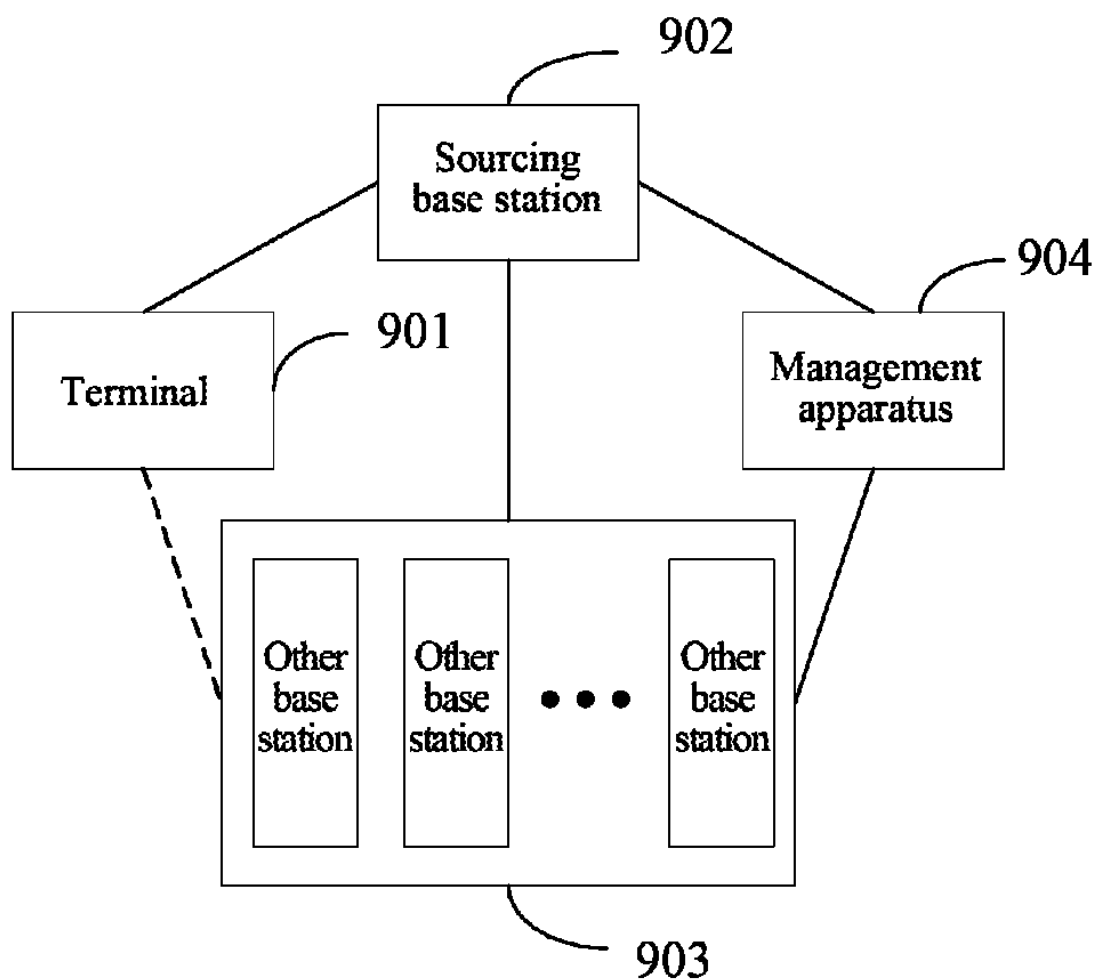
Family 35/36 - FAMPAT - ©Questel

Title

(EP3032882)

Terminal multiple connection management method, device and system

Images



Publication data including kind & date

WO2014173184	A1	2014-10-30	WO2014173184
CN104349419	A	2015-02-11	CN104349419
EP3032882	A1	2016-06-15	EP3032882
US20160183322	A1	2016-06-23	US20160183322
EP3032882	A4	2016-09-07	EP3032882
US9961707	B2	2018-05-01	US9961707



Abstract

(EP3032882)

The present invention relates to the field of communication, provides a method, device and system for managing multi-connection of a terminal. The method includes: a source **base station** of a terminal controlling the terminal to establish a connection with at least one of other **base** stations and updating a path over which the terminal transmits data to passing through the source **base station** and the at least one of other **base** stations after the terminal has established the connection with the at least one of other **base** stations. The technical scheme provided by the embodiments of the present invention is applicable to LTE systems, solves the problem of managing the multi-connection existing between the terminal and multiple **base** stations, and implements the management for the multi-connection of the terminal.

Inventors

HUANG YADA

Latest standardized assignees - inventors removed

ZTE

Title
(WO2012119469)
Method and apparatus for managing cell handover
Images



图 2 / FIG. 2

Publication data including kind & date

CN102655662	A	2012-09-05	CN102655662
WO2012119469	A1	2012-09-13	WO2012119469
CN102655662	B	2016-12-07	CN102655662B



Abstract

(WO2012119469)

Disclosed in the present invention are a method and an apparatus for managing cell handover, and the method comprises: **base station** having received handover request message; obtaining additional reestablishment **information** list of the handover request message; confirming that the additional reestablishment **information** list includes the cells not belonging to itself; and sending the necessary **information** for the reestablishment of the cell which does not belong to the **base station** to the other **base station** of the cell. The present invention can improve successful rate for the reestablishment of network deploying relay node (RN) and make sure a good **mobility** performance.

Inventors

WANG XIN
CHEN SI

Latest standardized assignees - inventors removed

ZTE