



New connection on: : 15-09-2020 : 19:33:01 - Last disconnection on: : 15-09-2020 : 19:32:56

V 4.0.0.44803(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201820)) (RPM D201820)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 6] ..fi

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[EPODOC: SS 6] MME and RRC and (S1AP or S1) and Idle and Mode and (Suspend 2w RRC) and Application+ and Protocol+ and network and capability

Results in EPODOC 0

[SS 7] MME and RRC and Idle Mode and Application+ and Protocol+ and network and capability and communication

Results in EPODOC 0

EPODOC: term 'IDLE MODE' not found in index 'BI'. WARNING(1)

[SS 8] MME and RRC and Idle and Mode and Application+ and Protocol+ and network and capability and communication

Results in EPODOC 0

[SS 9] MME and RRC and Application+ and Protocol+ and network and capability and communication

Results in EPODOC 0

[SS 10] MME AND RRC

Results in EPODOC 324

[SS 11] MME AND UE AND RRC AND NETWORK AND RRC

Results in EPODOC 98

[SS 12] MME AND UE AND RRC AND NETWORK AND RRC AND PROTOCOL

Results in EPODOC 11



1/11 © EPODOC / EPO

- PN - [CN110300438](#) A 20191001
- PNFP - CN110300438B B 20200714
- PR - CN201910426078 20141023; CN20148052934 20141023; WO2014CN89300 20141023
- AP - [CN201910426078](#) 20141023
- DT - I
- CT - // STSE (A)
[CN103546928](#) A 20140129 [A] (CHINA ACADEMY OF TELECOMM TECH)
[A] 1-38
* 全文 *;
[WO2014126356](#) A1 20140821 [A] (KT CORP [KR])
[A] 1-38
* 全文 *
- CTNP - // STSE (A)
[A] - Intel Corporation, "Mobility anchor to reduce signaling load to CN without dual connectivity", 《3GPP TSG-RAN WG2 Meeting #83 R2-132857》
[A] 1-38
* 全文 *
[A] - Samsung, "Discussion on signaling load reduction", 《3GPP TSG-RAN WG2 Meeting #83bis R2-133264》
[A] 1-38
* 全文 *
- CCI - [H04W36/08](#) ; [H04W88/08](#)
- CCA - [H04W92/045](#) ; [H04W92/12](#) ; [H04W92/16](#)
- CI - H04W36/0061 (RU, US)
- H04W36/08 (EP, RU, US)
- H04W64/00 (RU, US)
- H04W76/19 (EP, RU, US)
- H04W76/27 (EP, RU, US)
- H04W88/08 (EP, RU, US)
- H04W88/12 (KR)
- H04W92/02 (KR)
- CA - H04L49/201 (US)
- H04W88/02 (US)
- H04W92/045 (EP, US)
- H04W92/12 (EP, US)
- H04W92/16 (EP, US)
- PA - (A)
HUAWEI TECH CO LTD
- TI - (A)
Radio resource control **RRC** message processing method, device and system
- AB - (A)
The embodiment of the invention relates to a radio resource control (**RRC**) message processing method, device and system, and the method comprises the steps that a first

service node establishes connection with a first anchor node, and the first anchor node establishes connection with a mobile management entity (**MME**) ; the first service node receives a radio resource control (**RRC**) message sent by first user equipment (**UE**) , wherein the **RRC** message comprises an **RRC** message borne by a signaling radio bearer (SRB1) or an **RRC** message borne by an SRB2; and the first service node sends the **RRC** message to the first anchor node, a first packet data convergence **protocol** (PDCP) layer entity in the first anchor node processes the **RRC** message carried by the SRB1 and sends the processed **RRC** message to an **RRC** layer entity of the first anchor node; or the second PDCP layer entity of the first anchor node processes the **RRC** message borne by the SRB2 and then sends the processed **RRC** message to the **RRC** layer entity of the first anchor node. Therefore, the signaling load of the core **network** can be effectively reduced.

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PN - [CN110198556](#) A 20190903

PR - CN201910426030 20141023; CN20148052934 20141023; WO2014CN89300 20141023

AP - [CN201910426030](#) 20141023

DT - I

CCI - [H04W36/08](#) ; [H04W88/08](#)

CCA - [H04W92/045](#) ; [H04W92/12](#) ; [H04W92/16](#)

CI - H04W36/0061 (RU, US)
 - H04W36/08 (EP, RU, US)
 - H04W64/00 (RU, US)
 - H04W76/19 (EP, RU, US)
 - H04W76/27 (EP, RU, US)
 - H04W88/08 (EP, RU, US)
 - H04W88/12 (KR)
 - H04W92/02 (KR)

CA - H04L49/201 (US)
 - H04W88/02 (US)
 - H04W92/045 (EP, US)
 - H04W92/12 (EP, US)
 - H04W92/16 (EP, US)

PA - HUAWEI TECH CO LTD

TI - Radio resource control **RRC** message processing method, device and system

AB - The embodiment of the invention relates to a radio resource control (**RRC**) message processing method, device and system, and the method comprises: a first service node establishing connection with a first anchor node, and the first anchor node establishing connection with a mobile management entity (**MME**) ; the first service node receiving a radio resource control (**RRC**) message sent by first user equipment (**UE**) , wherein the **RRC** message comprises an **RRC** message borne by a signaling radio bearer (SRB1) or an **RRC** message borne by an SRB2; and the first service node sending the **RRC** message to the first anchor node, a first packet data convergence **protocol** (PDCP) layer entity in the first anchor node processing the **RRC** message carried by the SRB1 and sending the processed **RRC** message to an **RRC** layer entity of the first anchor node; or the second PDCP layer entity of the first anchor node processing the **RRC** message borne by the SRB2 and then sending the processed **RRC** message to the **RRC** layer entity of the first anchor node. Therefore, the signaling load of the core **network** can be effectively reduced.

PN - [RU2017117578](#) A 20181123

PNFP - RU2017117578 A3 20181123
- RU2679537 C2 20190211

PR - WO2014CN89300 20141023

AP - [RU20170117578](#) 20141023

DT - I

CT - // STSE (C2)
[EP2683183](#) A1 20140108 [] (PANASONIC CORP [JP]);
[CN103546928](#) A 20140129 [] (CHINA ACADEMY OF TELECOMM TECH);
[RU2488982](#) C2 20130727 [] (QUALCOMM INC [US])

CTNP - // STSE (C2)
[] - Samsung, Discussion on signaling load reduction, 3GPP TSG-RAN WG2 Meeting #83bis, R2-133264, [найдено 02.07.2018] в Интернет: URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_83bis/docs/R2-133264.zip, 27.09.2013, глава 2.

CCI - [H04W36/08](#) ; [H04W88/08](#)

CCA - [H04W92/045](#) ; [H04W92/12](#) ; [H04W92/16](#)

CI - H04W36/0061 (RU, US)
- H04W36/08 (EP, RU, US)
- H04W64/00 (RU, US)
- H04W76/19 (EP, RU, US)
- H04W76/27 (EP, RU, US)
- H04W88/08 (EP, RU, US)
- H04W88/12 (KR)
- H04W92/02 (KR)

CA - H04L49/201 (US)
- H04W88/02 (US)
- H04W92/045 (EP, US)
- H04W92/12 (EP, US)
- H04W92/16 (EP, US)

PA - (C2)
HUAWEI TECH CO LTD [CN]

TI - (C2)
METHOD, DEVICE AND SYSTEM FOR PROCESSING **RRC** RADIO RESOURCE CONTROL MESSAGE

AB - (C2)
FIELD: electrical communication engineering.SUBSTANCE: invention relates to processing of a radio resource control message, **RRC**. Connections with the first binding node are established by the first serving node, and a connection with the mobility management entity, **MME**, is established by the first binding node. Radio resource control message, **RRC** sent by the first user equipment, **UE**, is received by the first serving node, the **RRC** message includes the **RRC** message carried by the signalling radio bearer SRB1 or the **RRC** message carried by SRB2. **RRC** message is sent to the first binding node by the first serving node, so that the first object of the packet data convergence **protocol** level, PDCP, of the first binding node processes the **RRC** message carried by SRB1, and then the processed message is sent to the **RRC** object of the first binding node, or the second PDCP layer object of the first binding node processes the **RRC** message carried by SRB2 and then sends the processed message to the **RRC** layer level object of the first binding

node.EFFECT: technical result is to reduce the load on the underlying **network**.45 cl, 18
dwg

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- PN - [CA2965381](#) A1 20160428
- PNFP - CA2965381 C 20200609
- PR - WO2014CN89300 20141023
- AP - [CA20142965381](#) 20141023
- DT - I
- CCI - [H04W36/08](#) ; [H04W88/08](#)
- CCA - [H04W92/045](#) ; [H04W92/12](#) ; [H04W92/16](#)
- CI - H04W36/0061 (RU, US)
- H04W36/08 (EP, RU, US)
- H04W64/00 (RU, US)
- H04W76/19 (EP, RU, US)
- H04W76/27 (EP, RU, US)
- H04W88/08 (EP, RU, US)
- H04W88/12 (KR)
- H04W92/02 (KR)
- CA - H04L49/201 (US)
- H04W88/02 (US)
- H04W92/045 (EP, US)
- H04W92/12 (EP, US)
- H04W92/16 (EP, US)
- PA - (A1 C)
HUAWEI TECH CO LTD [CN]
- TI - (A1 C)
RADIO RESOURCE CONTROL **RRC** MESSAGE PROCESSING METHOD, APPARATUS, AND SYSTEM
- AB - (A1 C)
The embodiments of the present invention relate to a radio resource control (**RRC**) message processing method, apparatus, and system, the method comprising: a first service node establishes a connection with a first anchor node, and the first anchor node establishes a connection with a mobility management entity (**MME**) ; the first service node receives a radio resource control (**RRC**) message sent by a first **UE**, said **RRC** message comprising an **RRC** message carried by a signalling radio bearer SRB1 or an **RRC** message carried by an SRB2; the first service node sends the **RRC** message to the first anchor node, such that a first packet data convergence **protocol** (PDCP) layer entity in the first anchor node sends the post-processed **RRC** message carried by the SRB1 to an **RRC** layer entity of the first anchor node, or a second PDCP layer entity in the first anchor node sends the post-processed **RRC** message carried by the SRB2 to an **RRC** layer entity of the first anchor node. The core **network** signalling load is thus effectively reduced.

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- PN - [CN105723801](#) A 20160629
- PNFP - CN105723801B B 20190524
- PR - WO2014CN89300 20141023
- AP - [CN20148052934](#) 20141023

DT - I

CT - // STSE (A)
CN102348244 A 20120208 [A] (HUAWEI TECH CO LTD)
 [A] 1-53
 * 全文 *;
WO2013170209 A1 20131114 [A] (INTEL CORP [US], et al)
 [A] 1-53
 * 全文 *;
CN103546928 A 20140129 [Y] (CHINA ACADEMY OF TELECOMM TECH)
 [Y] 1-3,8-10,16-18,27-30,43-45
 * 说明书第8-12段 *

CTNP - // STSE (A)
 [Y] - Intel Corporation, "Mobility anchor to reduce signaling load to CN without dual connectivity", 《3GPP TSG-RAN WG2 Meeting》
 [Y] 1-3,8-10,16-18,27-30,43-45
 * 正文第2节以及图1 *
 [Y] - Samsung, "Discussion on signaling load reduction", 《3GPP TSG-RAN WG2 Meeting》
 [Y] 1-3,8-10,16-18,27,29-30,43-45
 * 图3 *

CCI - H04W36/08 ; H04W88/08

CCA - H04W92/045 ; H04W92/12 ; H04W92/16

CI - H04W36/0061 (RU, US)
 - H04W36/08 (EP, RU, US)
 - H04W64/00 (RU, US)
 - H04W76/19 (EP, RU, US)
 - H04W76/27 (EP, RU, US)
 - H04W88/08 (EP, RU, US)
 - H04W88/12 (KR)
 - H04W92/02 (KR)

CA - H04L49/201 (US)
 - H04W88/02 (US)
 - H04W92/045 (EP, US)
 - H04W92/12 (EP, US)
 - H04W92/16 (EP, US)

PA - (A)
 HUAWEI TECH CO LTD

TI - (A)
 Radio resource control (**RRC**) message processing method, apparatus, and system

AB - (A)
 The embodiments of the present invention relate to a radio resource control (**RRC**) message processing method, apparatus, and system, the method comprising: a first service node establishes a connection with a first anchor node, and the first anchor node establishes a connection with a mobility management entity (**MME**) ; the first service node receives a radio resource control (**RRC**) message sent by a first **UE**, said **RRC** message comprising an **RRC** message carried by a signalling radio bearer SRB1 or an **RRC** message carried by an SRB2; the first service node sends the **RRC** message to the first anchor node, such that a first packet data convergence **protocol** (PDCP) layer entity in the

first anchor node sends the post-processed **RRC** message carried by the SRB1 to an **RRC** layer entity of the first anchor node, or a second PDCP layer entity in the first anchor node sends the post-processed **RRC** message carried by the SRB2 to an **RRC** layer entity of the first anchor node. The core **network** signalling load is thus effectively reduced.

6/11 © EPODOC / EPO

- PN - [EP3203805](#) A1 20170809
- PNFP - EP3203805 A4 20171018
- PR - WO2014CN89300 20141023
- AP - [EP20140904298](#) 20141023
- DT - *; Rep
- CT - || STSE (A4)
[XP050718960](#) A[Y];
[EP2683183](#) A1 20140108 [Y] (PANASONIC CORP [JP])
[Y] 1-25
* paragraph [0023] - paragraph [0024] *
* paragraph [0018] *;
[XP050700083](#) A[A];
[XP050700132](#) A[A]
- CTNP - || STSE (A4)
[Y] - SAMSUNG, "Discussion on signaling load reduction", vol. RAN WG2, no. Ljubljana, Slovenia; 20131007 - 20131011, (20130927), 3GPP DRAFT; R2-133264 SIGNALING LOAD REDUCTION, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_83bis/Docs/, (20130927), XP050718960
[Y] 1-25
* the whole document *
[A] - NOKIA CORPORATION ET AL, "Mobility enhancement for non-CA capable UE", vol. RAN WG2, no. Fukuoka; 20130520 - 20130524, (20130511), 3GPP DRAFT; R2-131906 MOBILITY ENHANCEMENT FOR NON-CA CAPABLE UE, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANC, URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_82/Docs/, (20130511), XP050700083
[A] 1-25
* the whole document *
[A] - QUALCOMM INCORPORATED, "Completeness of Control Plane Architectures for Small Cells", vol. RAN WG2, no. Fukoka, Japan; 20130520 - 20130524, (20130511), 3GPP DRAFT; R2-132039 CONTROL PLANE ARCHITECTURE COMPLETENESS FOR SMALL CELLS, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS, URL: http://www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_82/Docs/, (20130511), XP050700132
[A] 1-25
* the whole document *
- CCI - [H04W36/08](#) ; [H04W88/08](#)
- CCA - [H04W92/045](#) ; [H04W92/12](#) ; [H04W92/16](#)
- CI - H04W36/0061 (RU, US)
- H04W36/08 (EP, RU, US)
- H04W64/00 (RU, US)
- H04W76/19 (EP, RU, US)

- H04W76/27 (EP, RU, US)
- H04W88/08 (EP, RU, US)
- H04W88/12 (KR)
- H04W92/02 (KR)
- CA - H04L49/201 (US)
- H04W88/02 (US)
- H04W92/045 (EP, US)
- H04W92/12 (EP, US)
- H04W92/16 (EP, US)
- PA - (A1 A4)
- HUAWEI TECH CO LTD [CN]
- TI - (A1 A4)
- RADIO RESOURCE CONTROL (RRC) MESSAGE PROCESSING METHOD, APPARATUS, AND SYSTEM
- AB - (A1)

Embodiments of the present invention relate to a radio resource control **RRC** message processing method, apparatus, and system. The method includes: setting up, by a first serving node, a connection to a first anchor node, and setting up, by the first anchor node, a connection to a mobility management entity **MME**; receiving, by the first serving node, a radio resource control **RRC** message sent by first user equipment **UE**, where the **RRC** message includes an **RRC** message carried by a signaling radio bearer **SRB1** or an **RRC** message carried by an **SRB2**; and sending, by the first serving node, the **RRC** message to the first anchor node, so that a first Packet Data Convergence **Protocol** **PDCP** layer entity of the first anchor node processes the **RRC** message carried by the **SRB1** and then sends a processed message to an **RRC** layer entity of the first anchor node, or a second **PDCP** layer entity of the first anchor node processes the **RRC** message carried by the **SRB2** and then sends a processed message to an **RRC** layer entity of the first anchor node. Therefore, signaling load of a core **network** can be effectively reduced.

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- PN - [WO2016061789](#) A1 20160428
- PR - WO2014CN89300 20141023
- AP - [WO2014CN89300](#) 20141023
- DT - **
- CT - [CN] ISR (A1)
- [XP050718565](#) A[Y];
- [CN103546928](#) A 20140129 [Y]
- (CHINA ACADEMY OF TELECOMM TECH)
- [Y] 1-3, 8-10, 16-18, 27-30, 35-37, 43-45
- * paragraphs [0008]-[0013] *;
- [CN102348244](#) A 20120208 [A]
- (HUAWEI TECH CO LTD)
- [A] 1-53
- * the whole document *

- CTNP - [CN] ISR (A1)
- [Y] - INTEL CORPORATION,
- "Mobility anchor to reduce signalling load to CN without



dual connectivity", 3GPP TSG RAN
WG2 Meeting #83, R2-132857,
(20130823), XP050718565
[Y] 1-3, 8-10, 16-18, 27-30, 35-37, 43-
45
* sections 2 and 7.2, figures 2 and
7.2-1 *

- | | |
|-----|--|
| CCI | - H04W36/08 ; H04W88/08 |
| CCA | - H04W92/045 ; H04W92/12 ;
H04W92/16 |
| CI | - H04W36/0061 (RU, US)
- H04W36/08 (EP, RU, US)
- H04W64/00 (RU, US)
- H04W76/19 (EP, RU, US)
- H04W76/27 (EP, RU, US)
- H04W88/08 (EP, RU, US)
- H04W88/12 (KR)
- H04W92/02 (KR) |
| CA | - H04L49/201 (US)
- H04W88/02 (US)
- H04W92/045 (EP, US)
- H04W92/12 (EP, US)
- H04W92/16 (EP, US) |
| PA | - HUAWEI TECH CO LTD [CN] |
| TI | - RADIO RESOURCE CONTROL (RRC)
MESSAGE PROCESSING METHOD,
APPARATUS, AND SYSTEM |
| AB | - The embodiments of the present
invention relate to a radio
resource control (RRC) message
processing method, apparatus,
and system, the method
comprising: a first service node
establishes a connection with a
first anchor node, and the first
anchor node establishes a
connection with a mobility
management entity (MME) ; the
first service node receives a
radio resource control (RRC)
message sent by a first UE ,
said RRC message comprising
an RRC message carried by a
signalling radio bearer SRB1 or
an RRC message carried by an
SRB2; the first service node
sends the RRC message to the
first anchor node, such that a
first packet data |

convergence **protocol** (PDCP) layer entity in the first anchor node sends the post-processed **RRC** message carried by the SRB1 to an **RRC** layer entity of the first anchor node, or a second PDCP layer entity in the first anchor node sends the post-processed **RRC** message carried by the SRB2 to an **RRC** layer entity of the first anchor node. The core **network** signalling load is thus effectively reduced.

8/11 © EPODOC / EPO

- PN - [KR20130106319](#) A 20130927
- PNFP - KR102024815B B1 20190924
- PR - US201261612484P 20120319; US201261614470P 20120322
- AP - [KR20130028880](#) 20130318
- DT - I
- CT - // STSE (A)
[WO2011047716](#) A1 20110428 [] (ERICSSON TELEFON AB L M [SE], et al)
- CTNP - // STSE (A)
[] - : packetcable
- CCI - [H04M15/57](#) ; [H04M15/66](#) ; [H04M15/8038](#) ; [H04W8/02](#) ; [H04W8/18](#)
- CI - H04L51/18 (US)
- H04M15/57 (EP, US)
- H04M15/66 (EP, US)
- H04M15/8038 (EP, US)
- H04W8/02 (EP, US)
- H04W8/18 (EP, US)
- H04W8/20 (US)
- PA - (A)
SAMSUNG ELECTRONICS CO LTD [KR]
- TI - (A B1)
METHOD AND APPARATUS FOR TRANCEIVING MESSAGE IN ROAMING SYSTEM
- AB - (A)
PURPOSE: A message transmitting and receiving method in a roaming system and an apparatus thereof are provided to transmit an extensible markup language configuration access **protocol** (XCAP) message to a home **network** by a roaming terminal. CONSTITUTION: A mobility management entity (**MME**) receives a message for connecting to an internet packet data **network** (PDN) which includes an address of an XCAP from user equipment (**UE**) (210). The **MME** confirms at least one of membership information of a terminal and a **network** provider policy based on the received message (212). The **MME** transmits a session formation request message to a serving gateway (SGW) based on the received message if the connection of terminal to the internet PDN is allowed after confirm (214). The session formation request message comprises an indicator which connects to an XCAP server. [Reference numerals] (210) PDN connectivity Request

transmitting (Internet APN, PCO=XCAP server address included); (212) Internet PDN contact is authorized by checking subscriber information and operation policy?; (214,216) Create Session Request transmitting (XCAP indicator, PCO or XCAP server address included); (218) IP_CAN session establishment request transmitting (XCAP indicator, XCAP server address included); (220) UE context setting (configuration); (222) IP_CAN session establishment response message transmitting; (224,226) Create Session Response message transmitting; (228) Bearer Setup Request/PDN Connectivity Accept message transmitting; (230) RRC connection reconfiguration message transmitting; (232) Bearer Setup response message transmitting; (234) Direct Transfer; (236) PDN Connectivity Complete message transmitting; (238) Modify bearer request message transmitting; (240) Modify bearer response message transmitting

9/11 © EPODOC / EPO

PN - [CN102740287](#) A 20121017
 PR - CN201210235875 20120706
 AP - [CN201210235875](#) 20120706
 DT - I
 CT - // STSE (A)
[CN101335924](#) A 00000000 [X]
 [X] 1-10
 * 说明书第5页第4行至第14页第14行, 图2-3、5A、5B、5C、5D *;
[CN101150497](#) A 00000000 [A]
 [A] 1-10
 * 全文 *;
[CN101237450](#) A 00000000 [A]
 [A] 1-10
 * 全文 *
 PA - DATANG MOBILE TECHNOLOGIES CO
 TI - Non-access stratum (NAS) message coding and decoding method and device
 AB - The invention provides a non-access stratum (NAS) message coding and decoding method and device, solving the problem that interaction processing speed of **MME** (Mobility Management Entity) and **UE** (User Equipment) is reduced due to the adoption of the traditional NAS coding method. According to the invention, a message structure of a common NAS message is corrected, a backpack mark and a message length are added, so that the common NAS can carry one or more NAS messages, and when the NAS messages are safely protected, an integrity protection key and an encryption key are calculated, and the NAS messages are simultaneously safely protected. Meanwhile, the NAS messages are transmitted through the same NAS-PDU (**Protocol** Data Unit) in an **RRC** (Radio Resource Control) message or an S1AP (S1 Application **Protocol**) message. According to the invention, the processing steps of the **MME** and the **UE** are simplified, the interaction of the messages in a **network** is reduced, and the greater functions of increasing communication efficiency and improving **network** property are achieved.

10/11 © EPODOC / EPO

PN - [CN102388543](#) A 20120321
 PR - WO2010CN73894 20100612
 AP - [CN20108001617](#) 20100612
 DT - I
 CT - // STSE (A)

[CN102781000](#) A 20121114 [R] (HUAWEI TECH CO LTD)

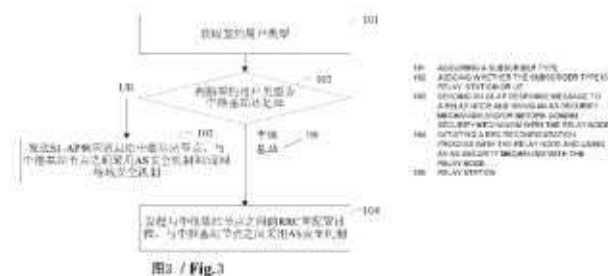
[R] 1-14

* 权利要求1-14 *

- CTNP - // STSE (A)
- [Y] - NTT DOCOMO,INC, "Report of email discussion[66#22]on Relay architecture", 《3GPP TSG-RAN WG2 #66bis R2-093972》, (20090623), pages 1 - 30
- [Y] 1-2,5-8,10-12,14
- * 1-30 页 *
- [Y] - III, Coiler, "Type 1 Relay Architecture", 《3GPP TSG-RAN WG2 #66bis R2-093680》, (20090623), pages 1 - 12
- [Y] 1-2,5-8,10-12,14
- * 1-12 页 *
- CCI - [H04W12/0806](#) ; [H04W88/04](#)
- CI - H04W12/0806 (EP, US)
- H04W88/04 (EP, US)
- PA - HUAWEI TECH CO LTD
- TI - Method, base station, mobile management entity(mme) and system for implementing business process
- AB - A method, base station, mobile management entity(MME) and system for implementing a business process are disclosed and are applied to the wireless communication field. The method includes: acquiring a subscriber type; if the subscriber type is a user equipment(UE), sending an S1 application **protocol**(S1-AP) response message to a Relay node and using an access stratum(AS) security mechanism and/or a **network** domain security mechanism with the Relay node; if the subscriber type is a relay station Relay, initiating a radio resource control(RRC) reconfiguration process with the Relay node and using an AS security mechanism with the Relay node. The base station includes: an acquisition module, a first implementation module and a second implementation module. The system includes the base station and the MME. The MME includes: a second acquisition module and a sending module. The present invention allows a Donor evolved node B(DenB) to implement a different business process for the Relay node of a different identity.

11/11 © EPODOC / EPO

- PN - [WO2011153716](#) A1 20111215
- PR - WO2010CN73894 20100612
- AP - [WO2010CN73894](#) 20100612
- DT - **
- CT - [CN] ISR (A1)
- [US2010046418](#) A1 20100225 [Y]
- (HORN GAVIN B [US], et al);
- [CN101635986](#) A 20100127 [Y] (ZTE CORP)
- CCI - [H04W12/0806](#) ; [H04W88/04](#)
- CI - H04W12/0806 (EP, US)
- H04W88/04 (EP, US)
- PA - HUAWEI TECH CO LTD [CN] ; HE CHENG DONG [CN]
- TI - METHOD, BASE STATION, MOBILE



MANAGEMENT ENTITY(**MME**) AND
SYSTEM FOR IMPLEMENTING
BUSINESS PROCESS

AB

- A method, base station, mobile management entity(**MME**) and system for implementing a business process are disclosed and are applied to the wireless communication field. The method includes: acquiring a subscriber type; if the subscriber type is a user equipment(**UE**) , sending an S1 application **protocol** (S1-AP) response message to a Relay node and using an access stratum(**AS**) security mechanism and/or a **network** domain security mechanism with the Relay node; if the subscriber type is a relay station Relay, initiating a radio resource control(**RRC**) reconfiguration process with the Relay node and using an AS security mechanism with the Relay node. The base station includes: an acquisition module, a first implementation module and a second implementation module. The system includes the base station and the **MME**. The **MME** includes: a second acquisition module and a sending module. The present invention allows a Donor evolved node B(**DeNB**) to implement a different business process for the Relay node of a different identity.