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[EPODOC: SS 57] (PDCP) and (Network)and (Node) and (Wireless) and (Core) and (Network) and (Generation)

Results in EPODOC **3**

[SS 58] ..li

1/3 © EPODOC / EPO

PN - US2020196370 A1 20200618

PR - US202016800256 20200225; WO2016CN113053 20161229; US201715521068 20170208; WO2017SE50116 20170208

AP - US202016800256 20200225

DT - **

CCI - H04W48/18 ; H04W76/12

CCA - H04W48/16 ; H04W76/22

CI - H04W48/18 (EP, RU, US)
- H04W48/20 (RU, US)
- H04W76/12 (EP, RU, US)
- H04W76/16 (US)
- H04W92/24 (EP, RU, US)

CA - H04W48/16 (EP, US)
- H04W76/22 (EP, US)
- H04W92/20 (EP, US)

PA - ERICSSON TELEFON AB L M [SE]

TI - **Network Node** and Method Therein for Configuring **PDCP** for a **Wireless** Device

AB - A **wireless** device is configured for wirelessly communicating with one or more types of Radio Access Networks (RANs) providing control-plane connectivity to one or both of a first type of **core network** and a second

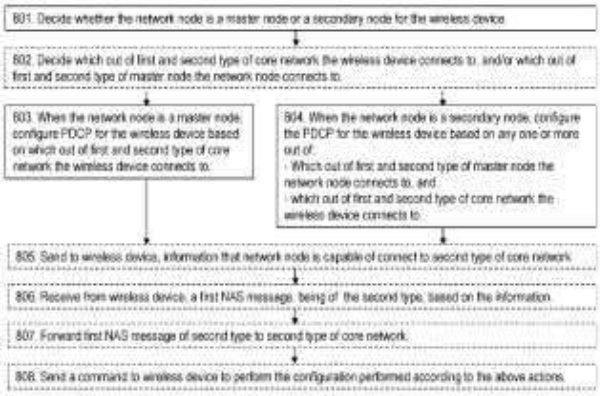

Fig. 8 Method in Network node 111,112

type of **core network**. The device configures a Packet Data Convergence Protocol (**PDCP**) at the device, e.g., at least for initial control-plane signaling, in dependence on whether the device is connected, or connecting, to the first type or the second type of **core network**. In at least one embodiment, the device configures **PDCP** for the second type of **core network** as a default choice, when control-plane connectivity to the second **core network** is available. In an example arrangement, the RAN types are LTE and 5G New Radio (NR), and the **core network** types are Evolved Packet **Core** (EPC) and 5G New **Generation Core Network** (NGCN).

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PN - WO2019013543 A1 20190117

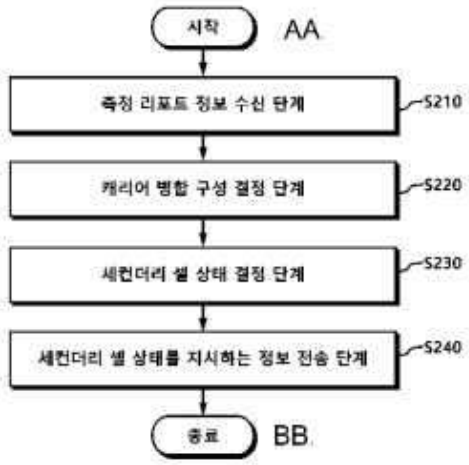
PR - KR20170089494 20170714; KR20170098732 20170803; KR20180079460 20180709

AP - WO2018KR07844 20180711

DT - *; Rep

CT - |KR| ISR (A1) KR101718623B B1 20170321 [Y]
[Y] 1-18;
XP051302388 A[Y];
EP3125441 A1 20170201 [A] (SAMSUNG ELECTRONICS CO LTD [KR])
[A] 1-18;
US2015103779 A1 20150416 [A] (MA JIE [CN], et al)
[A] 1-18

CTNP - |KR| ISR (A1)
[Y] - NOKIA, "Cell management", R3-172447, 3GPP TSG RAN WG3 AdHoc NR, Qingdao, China, (20170619), XP051302388
[Y] 1-18



S210...Step of receiving measurement report information
S220...Step of determining carrier aggregation configuration
S230...Step of determining secondary cell state
S240...Step of transmitting information indicating secondary cell state
AA...Start
BB...End

[Y] - "3GPP; TSGRAN; NG-RAN; Architecture description (Release 15", 3GPP TS 38.401, (20170626)
[Y] 1-18

CI
- H04W72/04 (EP)
- H04W72/12 (EP)
- H04W88/08 (EP)
- H04W92/20 (EP)

PA
- KT CORP [KR]

TI
- METHOD AND APPARATUS FOR CONTROLLING CARRIER AGGREGATION FOR NEXT **GENERATION WIRELESS NETWORK**

AB
- The present invention relates to a method comprising the steps of: receiving, from a terminal, measurement report information of a cell; determining, by a concentration **node**, a carrier aggregation configuration for a terminal by using a cell including one or more distribution nodes; determining, by the concentration **node** or distribution **node**, a secondary cell state of each of one or more secondary cells configured for the terminal, using the measurement report information and information on the amount of downlink data received from a **core network** entity; and transmitting, by the distribution **node**, information indicating the secondary cell state of the secondary cell to the terminal, wherein the concentration **node** is a logical **node** hosting an RRC layer, an SDAP layer, and a **PDCP** layer, the distribution **node** is a logical **node** hosting an RLC layer, an MAC layer, and a PHY layer, and the

concentration **node** and one or more distribution nodes transmit or receive information via an F1 interface.

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PN - US2018332649 A1 20181115

PNFP - US10609749 B2 20200331

PR - WO2016CN113053 20161229; WO2017SE50116 20170208

AP - US201715521068 20170208

DT - **

CT - || STSE (A1)
US2018288657 A1 20181004
[Y] (STOJANOVSKI ALEXANDRE SASO [FR], et al)
[Y] 103-105, 107-114, 116-120 * Claim 103 | [0064] Figure 5 | [0061] and [0066] | Figure 2 [0023] and [0026] | [0001] and [0013] | Claim 104 | [0074] | Claim 105 | [0064] and [0066] | Claim 107 | [0045-0046] | [0047] | [0052-0053] | Claim 108 | [0015] | Claim 109 | Figure 5 | [0061] | [0068-0073] | [0073] | Claim 110 | Claim 111 | Figure 3 *;
US2018183717 A1 20180628
[Y] (PANCHAL JIGNESH S [US])
[Y] 103-105, 107-114, 116-120 * [0016-0017] | [0045-0046] | [0047] | [0052-0053] | [0014-0022] Figures 1-4 | [0022] | [0001] and [0013] | Claim 104 | claim 103 | [0074] | Claim 105 | [0064] and [0066] | Claim 107 | Claim 108 | [0015] | Claim 109 | Figure 5 | [0061] | [0068-0073] | [0073] | Claim 110 | Claim 111 | *;
US2016127882 A1 20160505
[A] (AGIWAL ANIL [IN], et al);
US2018227793 A1 20180809
[A] (KIM DONGGUN [KR], et al);
US2016286600 A1 20160929
[A] (FACCIN STEFANO [US], et al);
US2018041936 A1 20180208
[A] (KIM SOENGHUN [KR], et al);
US2017332372 A1 20171116
[A] (LEE YOUNGDAE [KR], et al);
US2016269945 A1 20160915

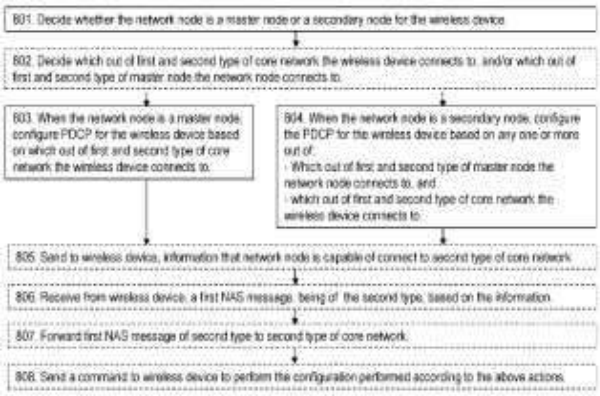

Fig. 8 Method in Network node 111,112

[A] (JANG JAEHYUK [KR], et al);
US2017245316 A1 20170824
[A] (SALKINTZIS APOSTOLIS [GR]);
US2018020418 A1 20180118
[A] (CHANDRAMOULI DEVAKI [US], et al);
US2016135220 A1 20160512
[A] (JHA SATISH C [US], et al);
US2017215122 A1 20170727
[A] (NIGAM ANSHUMAN [IN], et al);
US2018376384 A1 20181227
[A] (YOUN MYUNGJUNE [KR], et al);
US2018139030 A1 20180517
[A] (KIM SOENGHUN [KR], et al);
US2016119184 A1 20160428
[A] (SORIAGA JOSEPH BINAMIRA [US], et al)

- || STSE (B2)
US2016119184 A1 20160428 [ ] (SORIAGA JOSEPH BINAMIRA [US], et al);
US2016127882 A1 20160505 [ ] (AGIWAL ANIL [IN], et al);
US2016135220 A1 20160512 [ ] (JHA SATISH C [US], et al);
US2016269945 A1 20160915 [ ] (JANG JAEHYUK [KR], et al);
US2016286600 A1 20160929 [ ] (FACCIN STEFANO [US], et al);
US2017215122 A1 20170727 [ ] (NIGAM ANSHUMAN [IN], et al);
US2017245316 A1 20170824 [ ] (SALKINTZIS APOSTOLIS [GR]);
US2017332372 A1 20171116 [ ] (LEE YOUNGDAE [KR], et al);
US2018020418 A1 20180118 [ ] (CHANDRAMOULI DEVAKI [US], et al);
US2018041936 A1 20180208 [ ] (KIM SOENGHUN [KR], et al);
US2018139030 A1 20180517 [ ] (KIM SOENGHUN [KR], et al);
US2018183717 A1 20180628 [ ] (PANCHAL JIGNESH S [US]);
US2018227793 A1 20180809 [ ] (KIM DONGGUN [KR], et al);
US2018288657 A1 20181004 [ ] (STOJANOVSKI ALEXANDRE SASO [FR], et al);
US2018332649 A1 20181115 [ ] (FAN RUI [CN], et al);
US2018376384 A1 20181227 [ ] (YOUN MYUNGJUNE [KR], et al)

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CCA - **H04W48/16** ; **H04W76/22**

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- H04W76/16 (US)
- H04W92/24 (EP, RU, US)

CA - H04W48/16 (EP, US)
- H04W76/22 (EP, US)
- H04W92/20 (EP, US)

PA - (A1 B2)
ERICSSON TELEFON AB L M [SE]

TI - (A1)
Network Node and Method Therein for Configuring **PDCP** for a **Wireless** Device
- (B2)
Network node and method therein for configuring **PDCP** for a **wireless** device

AB - (A1)
The first type and the second type relate different generations of telecommunication networks.
- (B2)
A **wireless** device is configured for wirelessly communicating with one or more types of Radio Access Networks (RANs) providing control-plane connectivity to one or both of a first type of **core network** and a second type of **core network**. The device configures a Packet Data Convergence Protocol (**PDCP**) at the device, e.g., at least for initial control-plane signaling, in dependence on whether the device is connected, or connecting, to the first type or the second type of **core network**. In at least one embodiment, the device configures **PDCP** for the second type of **core network** as a default choice, when control-plane connectivity to the second **core network** is available. In an example arrangement, the RAN types are LTE and 5G New Radio (NR), and the **core network** types are Evolved Packet **Core** (EPC) and 5G New **Generation Core Network**

(NGCN).

[SS 58]