

Search query (1): [SP]: A method performed by a wireless device for handover, the method comprising: receiving an RRC connection reconfiguration message from a source network node associated with a source cell, the RRC connection reconfiguration message comprising an identification of a target cell and access information associated with the target cell, wherein the target cell is different than the source cell and comprises one or more beams to be transmitted by the target cell and the access information comprises beam related information that comprises common random access configuration information associated with the one or more beams and dedicated random access configuration information associated with the one or more beams; identifying at least one beam transmitted from the target cell from among the one or more beams of the target cell based on the identification of the target cell and the access information from the RRC connection reconfiguration message; and accessing the target cell using the identified at least one beam. 2. The method of claim 1, wherein the target cell is associated with a second network node, the second network node being different than the source network node. 3. The method of claim 1, wherein the access information comprises Random Access Channel (RACH) information. 4. The method of claim 1, wherein the target cell has at least two beams and the access information comprises an indication of allowed beams associated with the target cell, the allowed beams comprising fewer than all of the beams of the target cell. 5. The method of claim 4, wherein the access information includes a random access preamble mapped to each of the allowed beams of the target cell. 6. The method of claim 1, wherein accessing the target cell using the identified at least one beam comprises accessing the target cell using a contention based random access procedure. 7. The method of claim 1, wherein accessing the target cell using the identified at least one beam comprises accessing the target cell without first reading system information associated with the target cell. 8. A wireless device for handover comprising: a wireless interface configured to receive an RRC connection reconfiguration message from a source network node associated with a source cell, the RRC connection reconfiguration message comprising an identification of a target cell and access information associated with the target cell, wherein the target cell is different than the source cell and comprises one or more beams to be transmitted by the target cell and the access information comprises beam related information that comprises common random access configuration information associated with the one or more beams and dedicated random access configuration information associated with the one or more beams; processing circuitry configured to identify at least one beam transmitted from the target cell from among the one or more beams of the target cell based on the identification of the target cell and the access information from the RRC connection reconfiguration message; and an input and output interface configured to receive input information and provide output information; a power source configured to provide power to the wireless interface, processing circuitry and input and output interface; and wherein the wireless interface is further configured to access the target cell using the identified at least one beam. 9. The wireless device of claim 8, wherein the target cell is associated with a second network node, the second network node being different than the source network node. 10. The wireless device of claim 8, wherein the access information comprises Random Access Channel (RACH) information. 11. The wireless device of claim 8, wherein the target cell has at least two beams and the access information comprises an indication of allowed beams associated with the target cell, the allowed beams comprising fewer than all of the beams of the target cell. 12. The wireless device of claim 11, wherein the access information includes a random access preamble mapped to each of the allowed beams of the target cell. 13. The wireless device of claim 8, wherein the wireless interface configured to access the target cell using the identified at least one beam is configured to access the target cell using a contention based random access procedure. 14. The wireless device of claim 8, wherein the wireless interface configured to access the target cell using the identified at least one beam is configured to access the target cell without first reading system information associated with the target cell. 15. A wireless communication system for handover, the system comprising: at least two network nodes; at least one wireless device wirelessly connected to a first of the at least two network nodes; wherein the first network node is configured to: determine access information associated with a second of the at least two network nodes for the at least one wireless device; and prepare the access information associated with the second network node to be transmitted to the at least one wireless device; and wherein the at least one wireless device is configured to: receive an RRC connection reconfiguration message from the first network node, the handover message comprising an identification associated with the second network node and the access information associated with the second network node and comprises beam related information that comprises common random access configuration information associated with the one or more beams and dedicated random access configuration information associated with the one or more beams; identify and select at least one beam from the second network node; and access the second network node using the identified and selected at least one beam based on the access information from the handover message.

Results: 15

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Title: NETWORK ARCHITECTURE, METHODS, AND DEVICES FOR A WIRELESS COMMUNICATIONS NETWORK

Abstract: Methods and apparatus in a fifth-generation wireless communications network, including an example method, in a wireless device, that includes determining a reporting quality threshold for a parameter related to channel state information (CSI); performing a measurement for each of a plurality of beams from a first predetermined set of beams for evaluation; evaluating the measurement for each of the plurality of beams against the reporting quality threshold; discontinuing the performing and evaluating of measurements in response to determining that the reporting quality threshold is met for one of the beams, such that one or more beams in the first predetermined set of beams are not measured and evaluated; and reporting, to the wireless communications network, CSI for the one of the beams.

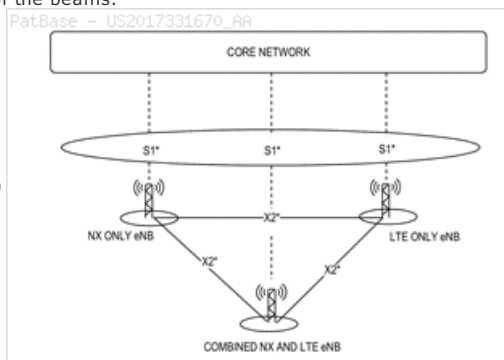
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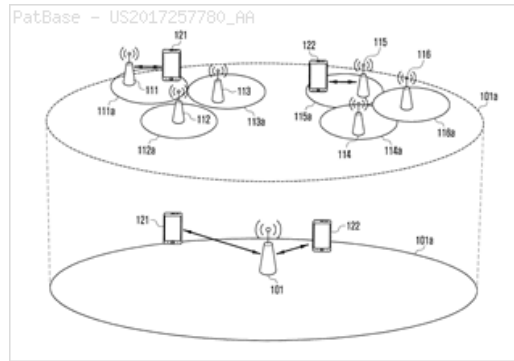
Title: CHANNEL ACCESSING METHOD AND DEVICE IN WIRELESS COMMUNICATION SYSTEM

Abstract: The present invention relates to a channel accessing method and device in a wireless communication system and, particularly, to a channel accessing method and device for a call handover for a terminal in a wireless communication system using a plurality of beams. The method according to an embodiment of the present invention, as a method of controlling a macro cell base station when a terminal that is communicating with the macro cell base station performs channel access with a small cell base station in a wireless network capable of using a plurality of transmitting/receiving beams, may include the steps of: determining whether to request a channel setting for a call for the terminal to the small cell base station when a signal strength measurement report for a channel synchronized with the small cell base station is received from the terminal; providing information including at least one of recommending information on the transmitting/receiving beams of the terminal and position information on the terminal in a request message to the small cell base station when a channel setting request to the small cell base station is decided upon; stopping the transmission of data to the terminal and a set data radio bearer (DRB2) when a response message for accepting the channel setting for the terminal is received from the small cell base station; transmitting a radio resource control access reconfiguration message to the terminal to communicate with the small cell base station; and providing information on data to be transmitted and received by the terminal to the small cell base station.

Classifications:

International (IPC 8-9): H04B7/06 H04B7/08 H04W16/28 H04W24/10 H04W36/00 H04W36/28 H04W72/04 H04W74/08 H04W76/02 H04W76/04 H04W76/20 H04W88/08 H04W92/20 (Advanced/Invention);

H04W16/32 H04W36/04 H04W72/04 (Advanced/Non-invention)
CPC: H04W76/27 H04B7/0617 H04B7/0695 H04B7/088 H04W16/32
H04W36/0069 H04W36/0072 H04W36/04 H04W36/28 H04W72/046
H04W36/0016 H04W74/0833 H04W24/10 H04W88/08 H04W92/20
H04W16/28
US: 1/1 370/329



Family:

Publication number	Publication date	Application number	Application date
■ CN107079309 A	20170818	CN201580060256	20150915
■ KR20160031870 A	20160323	KR20140122187	20140915
■ US2017257780 AA	20170907	US20150511209	20150915
■ US10638331 BB	20200428	US20150511209	20150915
■ WO16043502 A1	20160324	WO2015KR09678	20150915

Priority:

KR20140122187 20140915 WO2015KR09678 20150915

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

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

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): RYOO SUNHEUI ; RYU SUNHEUI ; RYOO SUN HEUI ; NIGAM ANSHUMAN ; MOON JUNGMIN ; MOON JUNG MIN ; LEE SUNGJIN ; LEE SUNG JIN ; JUNG JUNGSOO ; JUNG JUNG SOO ; ANSHUMAN NIGAM

Agent(s): 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 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

3) Family number: 73837521 (WO19062566A1)

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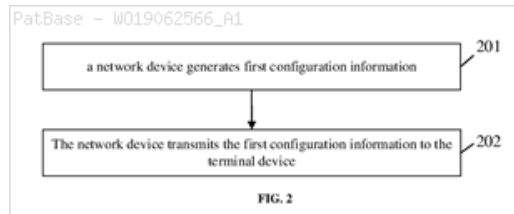
Title: INFORMATION INDICATION METHOD AND APPARATUS, NETWORK DEVICE AND TERMINAL DEVICE

Abstract: Disclosed are information indication methods and apparatuses, a network device, and a terminal device. In an information indication method, a network device generates first configuration information, and transmits the first configuration information to the terminal device. The first configuration information is adapted to configure a first physical random access channel (PRACH) resource, and includes first indication information indicative of at least one of a target beam or a target cell to be accessed by a terminal device during a random access channel (RACH) procedure initiated with a second PRACH resource.

Classifications:

International (IPC 8-9): H04W36/06 (Advanced/Invention); H04W74/04 H04W74/08 (Advanced/Non-invention)

CPC: H04W56/001 H04W74/006 H04W36/0077 H04W36/06 H04W74/08



Family:

Publication number	Publication date	Application number	Application date
■ CN109792660 A	20190521	CN201880003160	20180914
■ EP3494726 A1	20190612	EP20180849438	20180914
■ EP3494726 A4	20190821	EP20180849438	20180914
■ WO19062566 A1	20190404	WO2018CN105852	20180914

Priority:

US20170563904P 20170927 WO2018CN105852 20180914

Probable Assignee: GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD

Assignee(s): (std): GUANG DONG OPPO MOBILE TELECOMM CORP LTD ; GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CO LTD ; GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD ; OPPO GUANGDONG MOBILE TELECOMMUNICATIONS CO LTD

Assignee(s): GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP ; GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP ; GUANG DONG OPPO MOBILE TELECOMMUNICATIONS CORP LTD ; GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CO

Inventor(s): (std): ISOKANGAS JARI JAAKKO ; YANG NING

Agent(s): MANITZ FINSTERWALD PATENT U RECHTSANWALTSPARTNERSCHAFT MBB; CHINA PAT INTELLECTUAL PROPERTY OFFICE

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

Probable Assignee: LG ELECTRONICS

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

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

Agent(s): LEE HONG DEGERMAN KANG AND WAIMEY

6) Family number: 76873719 (US2019380083A)

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Title: HANDOVER OF A WIRELESS CONNECTION BASED ON UPLINK AND DOWNLINK SIGNAL QUALITIES

Abstract: The present disclosure describes techniques and systems for handing over a connection of a user device, within a wireless network, based on qualities of downlink signals and qualities of uplink signals. These techniques and systems include a base station and a neighboring base station negotiating handover parameters, based on the qualities of downlink signals as detected by a user device and the qualities of uplink signals as detected by the base station and the neighboring base station. The base station and neighboring base station negotiate the handover parameters via an interface connecting the base station to the neighboring base station.

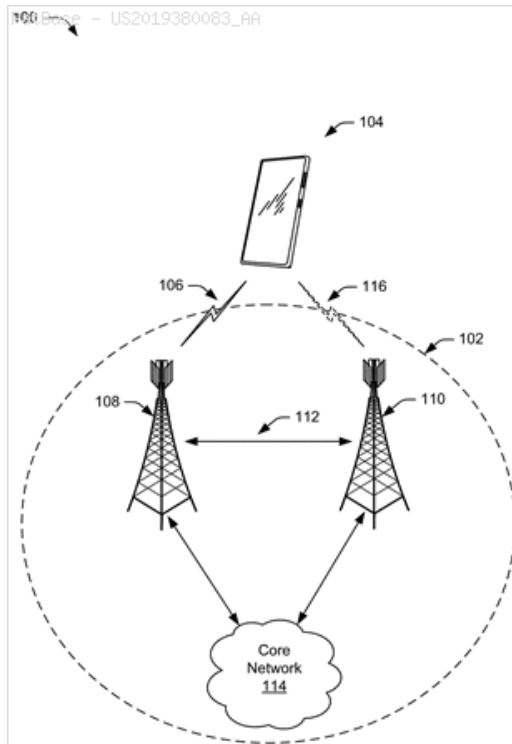
Classifications:

International (IPC 8-9): H04B7/06 H04L5/00 H04W36/00 H04W36/30 (Advanced/Invention);

H04W36/08 H04W92/20 (Advanced/Non-invention)

CPC: H04W36/30 H04L5/0048 H04W36/0072 H04W36/0077

H04W36/0083 H04W36/08 H04W92/20 H04B7/0617



Family:

Publication number	Publication date	Application number	Application date
US2019380083 AA	20191212	US20180004780	20180611
US10602418 BB	20200324	US20180004780	20180611
WO19240985 A1	20191219	WO2019US35334	20190604
WO19240985 A4	20200312	WO2019US35334	20190604

Priority:

US20180004780 20180611

Probable Assignee: GOOGLE INC

Assignee(s): (std): GOOGLE LLC

Assignee(s): GOOGLE INC

Inventor(s): (std): STAUFFER ERIK RICHARD ; WANG JIBING

Agent(s): COLBY NIPPER; JOHNSON MATTHEW

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

7) Family number: 79076728 (WO20098794A1)

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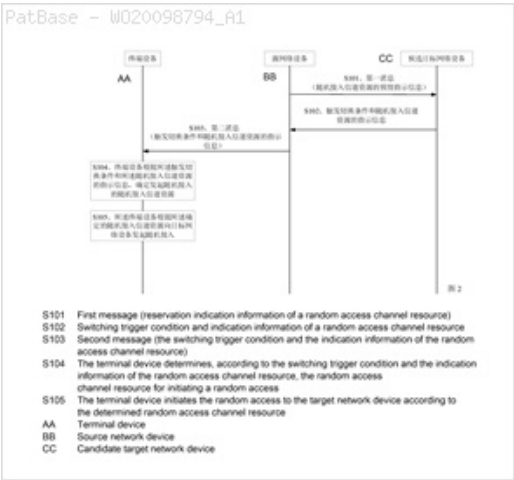
Title: COMMUNICATION METHOD AND APPARATUS

Abstract: Disclosed in the present application are a communication method and apparatus. The method comprises: a source network device sends reservation indication information of a random access channel resource to a candidate target network device; the candidate target network device sends a switching trigger condition and indication information of the random access channel resource to the source network device; the source network device sends the switching trigger condition and the indication information of the random access channel resource to a terminal device; the terminal device determines, according to the switching trigger condition and the indication information of the random access channel resource, a random

access channel resource for initiating a random access; and the terminal device initiates the random access to the target network device according to the determined random access channel resource. Also disclosed is a corresponding apparatus. By using the solution of the present application, a source network device reasonably requests a candidate target network device to reserve a random access channel resource, so that waste of resources is reduced, and the success rate of switching is improved.

Classifications:

International (IPC 8-9): H04W36/00 H04W36/08 H04W36/30 H04W72/04 H04W72/08 H04W74/08 (Advanced/Invention)
CPC: H04W36/00 H04W36/08 H04W36/30 H04W72/04 H04W72/08 H04W74/08



Family:

Publication number	Publication date	Application number	Application date
■ CN111200847 A	20200526	CN201811365827	20181116
■ WO20098794 A1	20200522	WO2019CN118874	20191115

Priority:

CN201811365827 20181116

Probable Assignee: HUAWEI TECHNOLOGIES CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD

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

Inventor(s): (std): GENG TINGTING ; YAN LE ; YUAN SHITONG ; ZENG QINGHAI ; ZHANG HONGPING

Agent(s): SCIHEAD IP 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 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

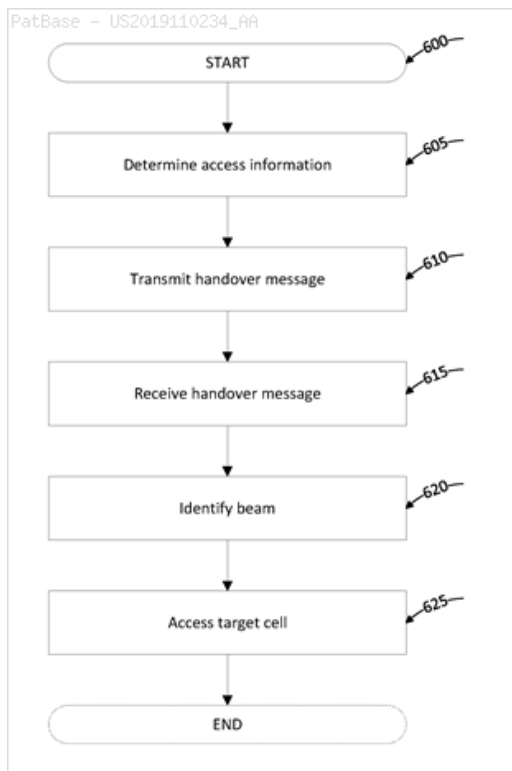
8) Family number: 69679749 (US2019110234A) © PatBase

Title: IDENTIFYING A BEAM FOR ACCESSING A TARGET CELL OF A WIRELESS HANOVER

Abstract: In accordance with particular embodiments, there is disclosed herein a method performed by a wireless device for handover. The method comprises receiving a first handover message from a source network node associated with a source cell. The first handover message comprises an identification of a target cell and access information associated with the target cell. The target cell is different than the source cell and comprises one or more beams. The method also includes identifying at least one beam from among the one or more beams of the target cell. The at least one beam is identified based on the identification of the target cell and the access information from the first handover message. The method further includes accessing the target cell using the identified at least one beam.

Classifications:

International (IPC 8-9): H04L12/24 H04W16/28 H04W36/00 H04W36/08 (Advanced/Invention); H04W36/08 H04W74/08 (Advanced/Non-invention)
CPC: H04W36/0072 H04W36/0077 H04W16/28 H04W36/08 H04W74/0833
US: 1/1



Family:

Publication number	Publication date	Application number	Application date
AR110116 AA	20190227	AR2017P103058	20171103
BR112019008951 A2	20190709	BR20191108951	20171103
CN110115064 A	20190809	CN201780082337	20171103
CO20190004594 A2	20190731	CO20190004594	20190503
EP3536025 A1	20190911	EP20170794791	20171103
IN201917017393 A	20190712	IN201917017393	20190501
JP2020502883 T2	20200123	JP20190523714T	20171103
KR20190073557 A	20190626	KR20197016102	20171103
US2019110234 AA	20190411	US20180211399	20181206
US2020068458 AA	20200227	US20190672464	20191103
US10484915 BB	20191119	US20180211399	20181206
WO18083649 A1	20180511	WO20171B56880	20171103

Priority:

US20160417714P 20161104 WO20171B56880 20171103 US20180211399 20181206
US20190672464 20191103

Probable Assignee: TELEFONAKTIEBOLAGET LM ERICSSON PUBL

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

Assignee(s): TELEFONAKTIEBOLAGET L M ERICSSON PUBL ; OY L M ERICSSON AB

Inventor(s): (std): DA SILVA ICARO L J ; ICARO L J DA SILVA ; JANNE PEISA ; PEISA JANNE

Agent(s): HASELTINE LAKE KEMPNER LLP; GERLACH TIM 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 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

9) Family number: 68413760 (US2018035470A)

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Title: METHOD AND APPARATUS FOR IMPROVING MSG3 TRANSMISSION OF RANDOM ACCESS PROCEDURE IN A WIRELESS COMMUNICATION SYSTEM

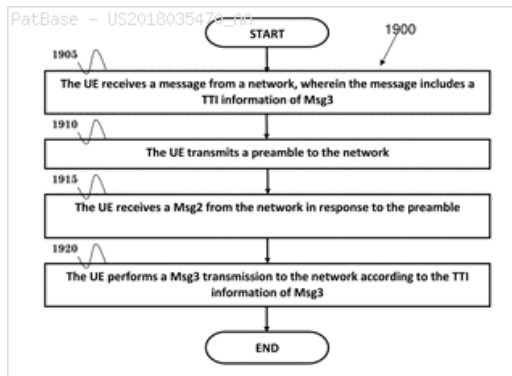
Abstract: A method and apparatus are disclosed, from the perspective of the UE, for performing random access procedure. In one embodiment, the method includes the UE receiving a message from a network. The message includes a TTI information of Msg3. In addition, the method includes the UE transmitting a preamble to the network. The method also includes the UE receiving a Msg2 from the network for responding the preamble. The method further includes the UE performing a Msg3 transmission to the network according to the TTI information of Msg3.

Classifications:

International (IPC 8-9): H04L5/00 H04W24/10 H04W48/16
H04W72/04 H04W72/12 H04W74/00 H04W74/04 H04W74/08
H04W76/27 (Advanced/Invention);
H04W74/08 (Advanced/Non-invention)

CPC: H04W74/008 H04W74/0833 H04W74/006 H04W74/002
H04W74/0875 H04L1/1607 H04W48/16 H04W72/1284

US: 1/1 455/450



Family:

Publication number	Publication date	Application number	Application date
CN107666722 A	20180206	CN201710633270	20170728
EP3277042 A1	20180131	EP20170183827	20170728
IN201744026864 A	20180202	IN201744026864	20170728
JP2018019403 A2	20180201	JP20170146452	20170728
JP2020022205 A2	20200206	JP20190201501	20191106
KR101967540 B1	20190409	KR20170096475	20170728
KR20180013808 A	20180207	KR20170096475	20170728
TW201804855 A	20180201	TW20170125537	20170728
TWI675599 B	20191021	TW20170125537	20170728
US2018035470 AA	20180201	US20170663674	20170728
US2018359785 AA	20181213	US20180052505	20180801

Priority:

US20160367875P 20160728 JP20170146452 20170728 KR20170096475 20170728
 US20170663674 20170728 US20180052505 20180801 JP20190201501 20191106

Probable Assignee: ASUSTEK COMPUTER INC

Assignee(s): (std): ASUSTEK COMP INC

Assignee(s): ASUSTEK COMPUTER INC ; ASUSTEK COMPUTER INCORPORATION

Inventor(s): (std): CHEN WEI YU ; TSENG LI CHIH

Agent(s): HOFER AND PARTNER PATENTANWALTE MBB; ITOH TADASHIGE; ITOH TADAHICO; OHNUKI SHINSUKE

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

10) Family number: 53522807 (US2014228032A)

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Title: METHOD FOR SUPPORTING MOBILITY OF USER EQUIPMENT IN WIRELESS COMMUNICATION SYSTEM, AND DEVICE SUPPORTING THE SAME

Abstract: Provided is a method for supporting mobility of a user equipment in a wireless communication system. The method comprises the following steps: receiving Mobility State Estimation (MSE) control information including information for MSE from a network; executing mobility if a mobility condition is satisfied; updating a mobility counter on the basis of the MSE control information; estimating a mobility state of the user equipment on the basis of the updated mobility counter; and scaling a mobility parameter on the basis of the estimated mobility state.

Classifications:

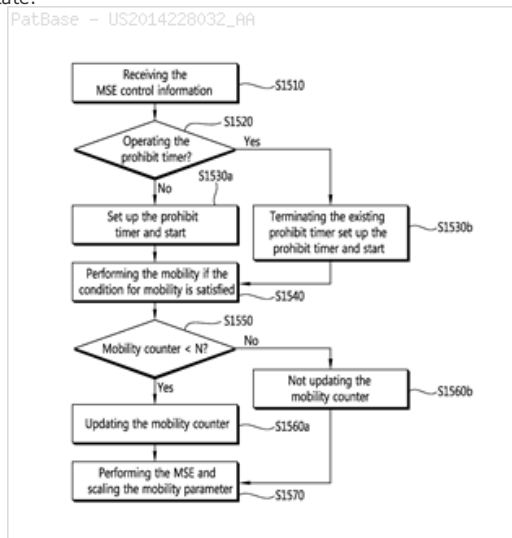
International (IPC 8-9): H04W36/30 H04W36/32

H04W8/02 (Advanced/Invention);

H04W36/08 H04W48/20 (Advanced/Non-invention)

CPC: H04W36/30 H04W36/08 H04W48/20 H04W36/32 H04W8/02

US: 1/1 455/436



Family:

Publication number	Publication date	Application number	Application date
KR101525750 B1	20150616	KR20147007298	20121009
KR20140064889 A	20140528	KR20147007298	20121009
US2014228032 AA	20140814	US20120348391	20121009

US9351225 BB	20160524	US20120348391	20121009
WO13055071 A2	20130418	WO2012KR08154	20121009
WO13055071 A3	20130704	WO2012KR08154	20121009

Priority:

US20110545171P 20111009 US20120348391 20121009 WO2012KR08154 20121009

Probable Assignee: LG ELECTRONICS

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

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

Agent(s): DENTONS US LLP; S AND IP 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 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

11) Family number: 68413846 (US2018034515A)

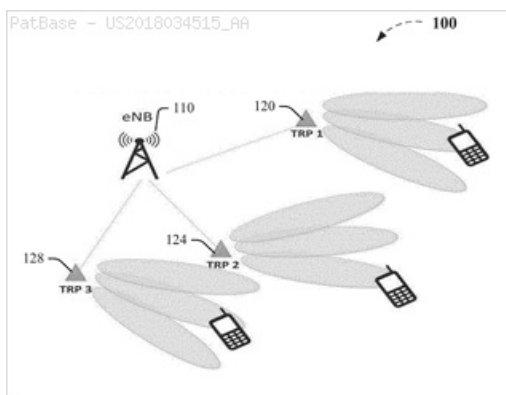
© PatBase

Title: METHOD AND APPARATUS FOR HANDLING UE BEAMFORMING IN A WIRELESS COMMUNICATION SYSTEM

Abstract: A method for a wireless communications system is disclosed. In one example, a network node transmits an indication to a UE to enable or disable UE beamforming. The indication also serves to initiate a random access procedure. The indication is transmitted together with other information. The other information can include configuration information related to random access. The indication and the other information can be provided via the same RRC message. The UE initiates a random access procedure in response to receiving the indication.

Classifications:

International (IPC 8-9): H04B7/04 H04B7/0404 H04B7/0408 H04B7/0426 H04B7/06 H04B7/08 H04W16/28 H04W24/02 H04W36/24 H04W72/04 H04W72/12 H04W74/00 H04W74/08 H04W76/27 H04W88/02 H04W88/12 (Advanced/Invention)
CPC: H04B7/043 H04B7/0617 H04B7/086 H04W74/008 H04B7/0404 H04B7/0686 H04W76/27 H04W72/1215 H04W74/0833 H04W16/28 H04W74/006
US: 1/1 367/122



Family:

Publication number	Publication date	Application number	Application date
CN107666342 A	20180206	CN201710633250	20170728
EP3276847 A1	20180131	EP20170183762	20170728
IN201744026863 A	20180202	IN201744026863	20170728
JP2018029333 A2	20180222	JP20170146453	20170728
JP6694413 B2	20200513	JP20170146453	20170728
KR101967056 B1	20190409	KR20170096476	20170728
KR20180013809 A	20180207	KR20170096476	20170728
TW201804851 A	20180201	TW20170125536	20170728
US2018034515 AA	20180201	US20170662992	20170728

Priority:

US20160368009P 20160728 JP20170146453 20170728 KR20170096476 20170728
US20170662992 20170728

Probable Assignee: ASUSTEK COMPUTER INC

Assignee(s): (std): ASUSTEK COMP INC

Assignee(s): ASUSTEK COMPUTER INC ; ASUSTEK COMPUTER INCORPORATION

Inventor(s): (std): GUO YU HSUAN ; KUO YU HSUAN ; OU MENG HUI ; TSAI HSIN HSI

Agent(s): HOFER AND PARTNER PATENTANWALTE MBB; ITOH TADASHIGE; ITOH TADAHIKO; OHNUKI SHINSUKE

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

12) Family number: 54980848 (US2013336174A)

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Title: OPERATIONAL CONSTRAINTS IN LTE FDD SYSTEMS USING RF AGILE BEAM FORMING TECHNIQUES

Abstract: Methods and systems having improved capabilities are described for providing communications to a plurality of cellular mobile devices through generating m different sets of fixed position patterns of N RF beams across the ten contiguous one-millisecond LTE sub-frames of each LTE time-division duplexing (TDD) frame from an agile beam forming antenna system of a cellular LTE base transceiver station. The cellular LTE base transceiver station is in RF TDD communication with the plurality of cellular mobile devices within a cell coverage area of the cellular LTE base transceiver station. Each RF beam covers a sub-area of the cell coverage area where the m times N RF beam patterns cover the area of the cell coverage area. The value of m is 1@m@3 and each one of the m sets of N RF beam patterns is generated in one or more of the non-S one-millisecond sub-frames of an LTE frame. The m sets of N RF beams are generated across any ten contiguous one-millisecond sub-frames. The value of m is determined at least in-part from a selected LTE TDD uplink/downlink (U/D) configuration.

Classifications:

International (ipc 8-9): G01R31/08 G06F11/00 G06F11/20 G06F15/16 G08C15/00 H01Q1/00 H01Q3/00 H04B H04B1/00 H04B15/00 H04B17/00 H04B17/309 H04B17/382 H04B7/00 H04B7/04 H04B7/0408 H04B7/06 H04B7/10 H04B7/15 H04B7/185 H04B7/26 H04J1/00 H04J1/16 H04J11/00 H04J3/00 H04J3/14 H04J99/00 H04L H04L1/00 H04L1/18 H04L12/14 H04L12/26 H04L12/723 H04L12/927 H04L29/06 H04L29/08 H04L29/12 H04L5/00 H04M1/00 H04M3/56 H04Q9/00 H04W H04W12/06 H04W12/08 H04W16/00 H04W16/14 H04W16/26 H04W16/28 H04W24/00 H04W24/02 H04W24/04 H04W24/10 H04W28/00 H04W28/02 H04W28/06 H04W28/14 H04W28/16 H04W28/20 H04W36/00 H04W36/02 H04W36/08 H04W36/12 H04W36/16 H04W36/18 H04W36/20 H04W36/22 H04W36/24 H04W36/32 H04W4/00 H04W4/02 H04W4/06 H04W4/12 H04W4/24 H04W4/50 H04W40/00 H04W40/02 H04W40/20 H04W40/22 H04W40/36 H04W48/02 H04W48/04 H04W52/40 H04W64/00 H04W68/00 H04W72/00 H04W72/04 H04W72/08 H04W72/10 H04W72/12 H04W76/02 H04W8/00 H04W80/02 H04W80/04 H04W84/02 H04W84/18 H04W88/14 H04W88/16 H04W92/12 (Advanced/Invention); G06F11/20 H04B15/00 H04B7/04 H04B7/185 H04J11/00 H04L12/14 H04L12/24 H04L12/26 H04L12/721 H04L12/725 H04L27/34 H04L29/06 H04L5/00 H04L5/14 H04M3/56 H04W12/06 H04W12/08 H04W16/28 H04W24/02 H04W24/04 H04W28/02 H04W36/00 H04W36/02 H04W36/06 H04W36/08 H04W36/12 H04W36/16 H04W40/02 H04W64/00 H04W72/04 H04W76/02 H04W84/02 H04W84/18 H04W88/08 (Advanced/Non-invention); H04W (Subclass/Invention)

CPC: H04L65/00 H04W4/06 H04M3/562 H04L67/12 H04W28/20 H04W72/048 H01Q1/00 H04L5/00 H04L5/0048 H04L5/0055 H04L5/0057 H04L5/1469 H04J11/0056 H04B15/00 H04W28/0236 H04W72/042 H04B7/0617 H04L5/0007 H04L5/0053 H04L27/34 H04W36/06 H04W36/08 H04L47/803 H04M15/39 H04M15/43 H04W4/24 H04W36/0055 H04L12/14 H04B7/26 H04W76/12 H04W4/90 H04W4/90 H04L1/0009 H04W36/10 H04W84/06 H04L1/1854 H04Q9/00 H04L47/805 H04L61/2007 H04W84/12 H04W88/08 H04L45/306 H04L45/38 H04L65/403 H04L65/4084 H04L65/80 H04L65/4069 H04W72/0413 G06F15/16 H04B17/382 H04L1/0003 H04L41/0668 H04L65/1063 H04L67/10 H04L67/26 H04L67/2809 H04W36/18 H04W36/20 H04W52/40 H04W84/18 G06F11/2097 H04B7/04 H04L1/1812 H04L43/0817 H04L43/10 H04L67/2842 H04W24/04 H04W36/0016 H04W36/0033 H04B17/00 H04L67/28 H04W4/00 G06F11/00 H04L63/0861 H04W24/02 H04W28/0215 H04W28/16 H04W72/0453 H04W72/082 H04W28/021 H04W28/06 H04W36/02 H04W36/023 H04W36/165 H04W40/20 H04W72/04 G06F11/2028 H04W28/0231 H04B7/18504 H04W4/025 H04W48/02 H04W48/04 H04W68/005 H04W12/0808 H04W12/0802 H04W12/0804 H04J11/005 H04W40/02 H04W16/14 H04W16/26 G06F11/2038 H04L65/60 H04W28/02 H04W12/06 H04W28/0226 H04W12/08 H04W72/10 H04B7/0408 H04B7/0632 H04L1/0026 H04L1/0027 H04L1/0028 H04L1/1861 H04L1/1887 H04L12/1407 H04W16/28 H04W36/12 H04W64/00 H04W72/046 H04W72/1231 G08C15/00 H04J1/16 H04J3/14 H04L1/00 H04W72/12

US: 1/1 370/230 370/232 370/235 370/238 370/280 370/281 370/315 370/328 370/329 370/331 455/408 455/411 455/416 455/436 455/445 455/452.1 455/456.1 455/513 455/562.1 455/63.4 455/67.11 709/219 714/4.11 726/7



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Publication number	Publication date	Application number	Application date
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Priority:

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US20170797902	20171030	US20170829014	20171201	US20180945892	20180405
US20190391562	20190423	US20190415799	20190517		

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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

13) Family number: 55186904 (US2015071250A)

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Title: DATA FORWARDING METHOD, DEVICE, AND COMMUNICATIONS SYSTEM

Abstract: Embodiments of the present invention provide a data forwarding method, device, and communications system, which relate to the field of communications and can achieve accuracy and continuity of data transmission during carrier aggregation for cells between base stations. The method includes: sending, by a primary base station, a first message to a secondary base station, where the first message is used to instruct the secondary base station to perform handover, and the first message includes an identifier of a target base station; confirming, by the primary base station, that the secondary base station forwards data to the target base station; and sending, by the primary base station, a second message to a user equipment, where the second message is used to instruct the user equipment to acquire the data from the target base station. The embodiments of the present invention are used for data forwarding.

Classifications:

International (IPC 8-9): H04W16/32 H04W36/00 H04W36/02

H04W36/08 H04W36/18 H04W36/24 H04W36/28 H04W36/38
H04W72/04 H04W92/20 (Advanced/Invention);
H04W36/00 H04W36/28 (Advanced/Non-invention)
CPC: H04W36/0016 H04W36/0027 H04W36/08 H04W36/18
H04W36/24 H04W36/02 Y02D70/00 H04W36/0055 H04W36/0033
H04W36/0069 H04W36/28 H04W36/38 H04W36/0072
US: 1/1 370/331



Family:

Publication number	Publication date	Application number	Application date
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■ US2020015143 AA	20200109	US20190574961	20190918
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■ US10425876 BB	20190924	US20170598128	20170517
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Priority:

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WO2013CN075840	20130517	WO2013CN75840	20130517	US20140539750	20141112
US20170598128	20170517	US20190574961	20190918		

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Inventor(s): (std): ZHANG HONGPING ; ZENG QINGHAI ; GUO YI ; DAI MINGZENG

Agent(s): PFENNING MEINIG AND PARTNER GBR; KREUZ GEORG MARIA; LEYDIG VOIT AND MAYER LTD; HASHIM PAUL CHRISTOPHER

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 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

14) Family number: 67492924 (US2017331577A)

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Title: NETWORK ARCHITECTURE, METHODS, AND DEVICES FOR A WIRELESS COMMUNICATIONS NETWORK

Abstract: Methods and apparatus in a fifth-generation wireless communications, including an example method, in a wireless device, that includes receiving a downlink signal comprising an uplink access configuration index, using the uplink access configuration index to identify an uplink access configuration from among a predetermined plurality of uplink access configurations, and transmitting to the wireless communications network according to the identified uplink access configuration. The example method further includes, in the same wireless device, receiving, in a first subframe, a first Orthogonal Frequency-Division Multiplexing (OFDM) transmission formatted according to a first numerology and receiving, in a second subframe, a second OFDM transmission formatted according to a second numerology, the second numerology differing from the first numerology. Variants of this method, corresponding apparatuses, and corresponding network-side methods and apparatuses are also disclosed.

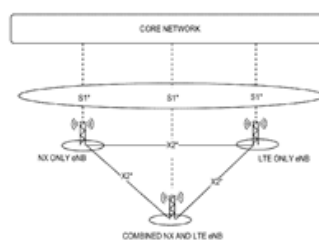
Classifications:

International (IPC 8-9): H04B7/0452 H04B7/06 H04B7/08 H04J11/00
H04L H04L27/26 H04L29/06 H04L5/00 H04L5/14 H04W4/00
H04W48/16 H04W72/04 H04W72/12 H04W74/02 H04W74/08
H04W76/11 H04W76/15 (Advanced/Invention);
H04L5/00 H04W72/12 (Advanced/Non-invention);
H04L (Subclass/Invention)

International (IPC 1-7): H04L5/00 H04L5/14

CPC: H04B7/0848 H04L5/0007 H04L5/0028 H04L5/0053 H04L5/0091
H04L5/1469 H04W72/12 H04W74/02 H04W74/0816 H04W74/0833
H04J11/0079 H04B7/0452 H04W8/18 H04L29/06231 H04W4/00

US: 1/1 370/203



Publication number	Publication date	Application number	Application date
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Title: METHOD, APPARATUS, AND SYSTEM FOR VOICE CALL FALLBACK TO CIRCUIT SWITCHED DOMAIN

Abstract: A method for voice call fallback to a circuit switched (CS) domain disclosed in the present invention includes: receiving a Service Request message from a calling user equipment (UE), where the Service Request message includes called number information of a voice call in a CS domain, instructing an evolved NodeB (eNB) to initiate circuit switched fallback (CSFB) handover; receiving a Handover Request message from the eNB, where the Handover Request message includes information required for CS handover, selecting a mobile switching center (MSC) and sending a packet switched (PS) to CS Handover Request message to the MSC, where the PS to CS Handover Request message carries information required for the CS handover and a called number so that the MSC calls a called UE. The corresponding apparatuses and systems are also disclosed. The technical solution of the present invention can reduce the connection delay.

Classifications:

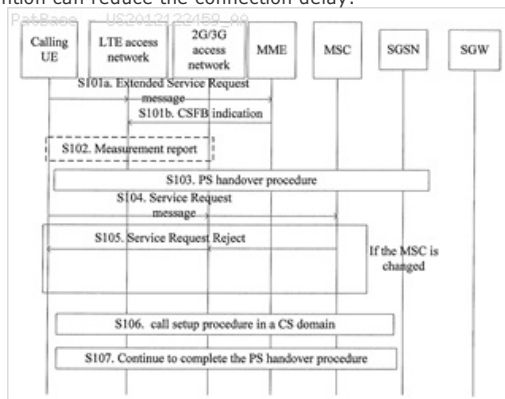
International (IPC 8-9): H04L12/66 H04W36/00 H04W36/14 H04W36/24 H04W36/36 H04W4/00 H04W4/16 H04W68/00

H04W72/04 H04W76/02 H04W8/26 (Advanced/Invention); H04W36/14 H04W68/00 H04W72/04 H04W76/02 H04W76/10 H04W8/26 (Advanced/Non-invention)

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