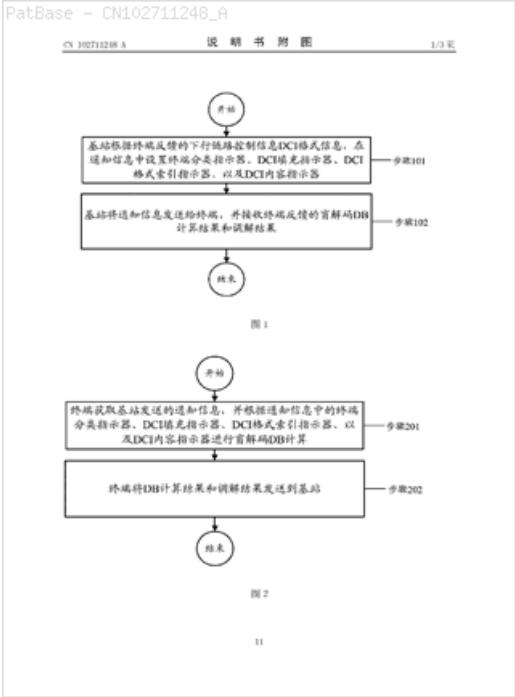


1) Family number: 52119037 (CN102711248A) © PatBase

Title: PROCESSING METHOD, BASE STATION AND TERMINAL FOR REDUCING BLIND DECODING CALCULATION LOADS IN CONTROL CHANNEL

Abstract: The invention discloses a processing method, a base station and a terminal for reducing blind decoding calculation loads in a control channel. The method comprises that the base station sets a terminal classification indicator, a display control interface (DCI) pad indicator, a DCI format index indicator and a DCI content indicator in a notification message according to down-link control information DCI format information fed back by the terminal, and the base station sends the notification message to the terminal and receives a blind decoding data base (DB) calculation result and a modulation result which are fed back by the terminal. By the aid of the technical scheme, the blind decoding calculation loads in the control channel can be reduced.

Classifications:
International (IPC 8-9): H04W68/00 H04W72/12 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN102711248 A	20121003	CN201210145253	20120511
■ CN102711248 B	20160330	CN201210145253	20120511

Priority:

CN201210145253 20120511

Probable Assignee: ZTE CORP

Assignee(s): (std): ZTE CORP

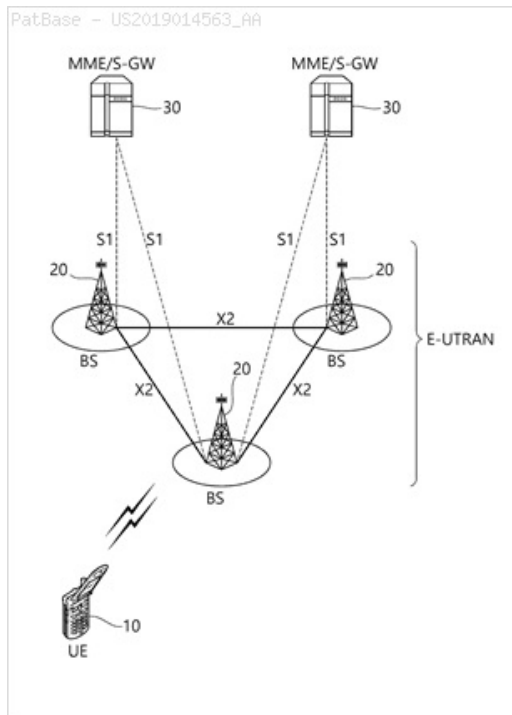
Inventor(s): (std): WEI WEI

2) Family number: 67149344 (US2019014563A) © PatBase

Title: METHOD FOR TRANSMITTING DOWNLINK CONTROL INFORMATION FOR SIDELINK SCHEDULING IN WIRELESS COMMUNICATION SYSTEM AND TERMINAL USING SAME

Abstract: Provided are a method for transmitting downlink control information for sidelink scheduling in a wireless communication system and a wireless apparatus using the method. The method is characterized by: generating sidelink SPS activation/release DCI for indicating sidelink semi-persistent scheduling (SPS) activation or release; and transmitting the sidelink SPS activation/release DCI to a terminal, wherein the sidelink SPS activation/release DCI further comprises a sidelink SPS activation/release field and a sidelink SPS configuration index field not present in sidelink dynamic DCI which is for dynamically scheduling the sidelink.

Classifications:
International (IPC 8-9): H04L5/00 H04W4/40 H04W72/04 H04W72/10 H04W72/12 H04W74/04 H04W76/14 H04W76/30 (Advanced/Invention)
CPC: H04W72/042 H04W72/1205 H04W72/1289 H04L5/0042 H04L5/0053 H04L5/0064 H04L5/0082 H04L5/0091 H04W4/40 H04W72/0406 H04W72/044 H04W72/0493 H04W72/10 H04W72/12 H04W72/121 H04W72/1257 H04W72/1294 H04W74/04 H04W76/14 H04W76/30 H04W84/04 H04W88/06
US: 1/1 370/329

**Family:**

Publication number	Publication date	Application number	Application date
■ CN109076577 A	20181221	CN201780022130	20170403
■ CN109076578 A	20181221	CN201780022181	20170403
■ EP3422788 A1	20190102	EP20170775949	20170403
■ EP3422788 A4	20190918	EP20170775949	20170403
■ EP3422789 A1	20190102	EP20170775950	20170403
■ EP3422789 A4	20190918	EP20170775950	20170403
■ KR102003509 B1	20190724	KR20187027041	20170403
■ KR20180116337 A	20181024	KR20187027043	20170403
■ KR20180117132 A	20181026	KR20187027041	20170403
■ US2019014563 AA	20190110	US20170090537	20170403
■ US2019014564 AA	20190110	US20170090547	20170403
■ US2019116607 AA	20190418	US20170090522	20170403
■ US2019246407 AA	20190808	US20190389120	20190419
■ WO17171525 A1	20171005	WO2017KR03656	20170403
■ WO17171526 A1	20171005	WO2017KR03657	20170403
■ WO17171527 A1	20171005	WO2017KR03658	20170403

Priority:

US20160317393P 20160401	US20160320332P 20160408	US20160333778P 20160509
US20160335658P 20160512	US20160374737P 20160812	US20160376376P 20160817
US20160401186P 20160929	US20160403061P 20161001	US20160403677P 20161003
US20170090547 20170403	US20170090522 20170403	US20170090537 20170403
WO2017KR03656 20170403	WO2017KR03658 20170403	WO2017KR03657 20170403
US20180090547 20181001	US20190389120 20190419	

Probable Assignee: LG ELECTRONICS**Assignee(s):** (std): LG ELECTRONICS ; LG ELECTRONICS INC**Inventor(s):** (std): LEE YOUNGDAE ; LEE SEUNGMIN ; SEO HANBYUL ; LEE JAEWOOK ; KIM MYOUNGSEOB**Agent(s):** MAIKOWSKI AND NINEMANN PATENTANWALTE PARTNERSCHAFT MBB; ENVISION 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 DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 49228401 (WO11082531A1)

© PatBase

Title: BACKWARDS COMPATIBLE DOWNLINK CONTROL INFORMATION FORMAT PAYLOAD SUPPORTING CROSS-SCHEDULING

Abstract: Disclosed is a method that includes embedding at least one uplink component carrier index into a predetermined location in a downlink control information payload having a first type of format (DCI format 3/3A), while maintaining alignment between the downlink control information payload having the first type of format and a downlink control information payload having a second type of format (DCI format 0/1 A). The method further includes transmitting the resulting downlink control information payload into a cell for reception by user equipment. The use of the method is advantageous at least to provide backwards compatibility between Rel-8/Rel-9 user equipment and LTE-A user equipment operating with cross-component carrier scheduling. Also disclosed are corresponding apparatus, as well as methods and apparatus providing an enhanced LTE-A compatible user terminal.

Classifications:**International (IPC 8-9):** H04W52/04 (Advanced/Invention)**CPC:** H04W52/262 H04L5/001 H04L5/0053 H04L5/006 H04L5/0087 H04L5/0098 H04W52/34

European: H04L5/00A2A11 H04L5/00C6 H04L5/00E3A H04W52/26M
T04L5/00C7A T04L5/00C8G

PatBase - WO11082531_A1

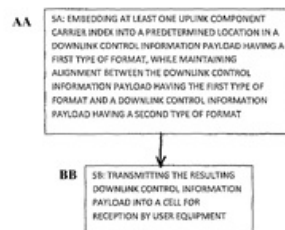


FIGURE 5

Family:

Publication number	Publication date	Application number	Application date
WO11082531 A1	20110714	WO2010CN70069	20100108

Priority:

WO2010CN70069 20100108

Probable Assignee: NOKIA SIEMENS NETWORKS OY

Assignee(s): (std): CHEN PENG ; FREDERIKSEN FRANK ; GAO CHUNYAN ; KOIVISTO TOMMI ; TIIROLA ESA ; NOKIA SIEMENS NETWORKS OY

Inventor(s): (std): KOIVISTO TOMMI ; GAO CHUNYAN ; TIIROLA ESA ; CHEN PENG ; FREDERIKSEN FRANK

Agent(s): KING AND WOOD PRC LAWYERS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

4) Family number: 48843618 (US2013016655A)

© PatBase

Title: REDUCING BLIND DECODINGS FOR COMMUNICATIONS USING CARRIER AGGREGATION

Abstract: A method and apparatus for transmitting downlink control information when carrier aggregation is being used, by determining at least one downlink control information (DCI) format for a first carrier and at least once DCI format for a second carrier; and including padding in at least one DCI format corresponding to the second carrier such that the DCI format size of the padded DCI format equals the DCI format size of a DCI format corresponding to the first carrier.

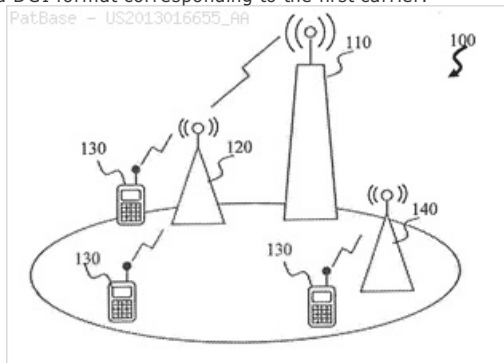
Classifications:

International (IPC 8-9): H04B7/26 H04J11/00 H04L27/26 H04L5/00 H04W4/00 H04W72/00 H04W72/04 (Advanced/Invention); H04L27/26 (Advanced/Non-invention)

CPC: H04L5/0053 H04L5/001 H04L5/0091 H04L27/2602 H04L1/0038

European: H04L5/00A2A11 H04L5/00C6 H04L5/00E T04L27/26M1

US: 370/252 370/328 370/329 370/330 370/338



Family:

Publication number	Publication date	Application number	Application date
CA2779297 AA	20120427	CA20102779297	20101029
CA2779297 C	20150414	CA20102779297	20101029
CN102859956 A	20130102	CN201080060290	20101029
CN102859956 B	20160113	CN201080060290	20101029
DE602010029991 D1	20160225	DE201060029991T	20101029
EP2494755 A2	20120905	EP20100779133	20101029
EP2494755 B1	20160106	EP20100779133	20101029
JP2013509832 T2	20130314	JP20120537142T	20101029
KR101697807 B1	20170118	KR20127014057	20101029
KR20120085879 A	20120801	KR20127014057	20101029
US2013016655 AA	20130117	US20120457294	20120426
US8958366 BB	20150217	US20120457294	20120426
WO11053851 A2	20110505	WO2010US54842	20101029
WO11053851 A3	20110623	WO2010US54842	20101029
WO11053856 A2	20110505	WO2010US54848	20101029
WO11053856 A3	20110623	WO2010US54848	20101029

Priority:

US20090256839P 20091030

EP20100779133 20101029

WO2010US54842 20101029

US20120457294 20120426

Probable Assignee: RESEARCH IN MOTION LTD

Assignee(s): (std): RESEARCH IN MOTION LTD ; HEO YOUN HYOUNG ; XU HUA ; MCBEATH SEAN ; FONG MO HAN ; CAI

ZHIJUN ; EARNSHAW ANDREW MARK ; BLACKBERRY LTD

Assignee(s): BLACKBERRY LTD WATERLOO ; BLACKBERRY LTD2200 UNIVERSITY AVENUE EASTWATERLOOO1N2K 0A7CA ; EARNSHAW ANDREW MARK4000 INNOVATION DRIVEEXT. 13208OTTAWAO1K2K 3K1CA ; RESEARCH IN MOTION LIMITED ; RESEARCH IN MOTION CORP ; FONG MO HAN205 - 95 BEACH STREETOTTAWAO1K1S 3J7CA ; RESEARCH IN MOTION LTD2200 UNIVERSITY AVENUE EASTWATERLOOO1N2K 0A7CA ; XU HUA4000 INNOVATION DRIVEKANATAO1K2K 3K1CA

Inventor(s): (std): FONG MO HAN ; HEO YOUN HYOUNG ; CAI ZHIJUN ; XU HUA ; MCBEATH SEAN ; EARNSHAW ANDREW MARK

Inventor(s): MCBEATH SEANUS ; CAI ZHIJUNUS ; HEO YOUN HYOUNGCA ; FONG MO HAN205 - 95 BEACH STREETOTTAWAO1K1S 3J7CA ; XU HUA4000 INNOVATION DRIVEKANATAO1K2K 3K1CA ; EARNSHAW ANDREW MARK4000 INNOVATION DRIVEEXT. 13208OTTAWAO1K2K 3K1CA ; HEO YOUN HYOUNG KITCHENER ; MCBEATH SEAN IRVING ; CAI ZHIJUN IRVING

Agent(s): RIDOUT AND MAYBEE LLP; MERH IP MATIAS ERNY REICHL HOFFMANN PATENTANWAELTE PARTG MBB; MOORE BARRY; CONLEY ROSE PC; J ROBERT; CONLEY ROSE P C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 48843630 (US2013010709A)

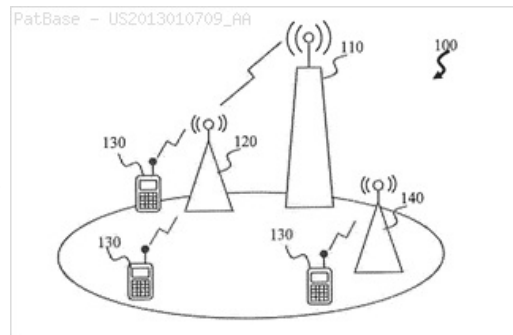
© PatBase

Title: DOWNLINK CONTROL INFORMATION SET SWITCHING WHEN USING CARRIER AGGREGATION

Abstract: A method and apparatus for reconfiguring a user equipment configured for multi-carrier operation from a first downlink control information set to a second downlink control information set while carrier aggregation is being used, including receiving a physical downlink control channel with downlink control information formats containing a carrier indicator field.

Classifications:

International (IPC 8-9): H04B7/26 H04J11/00 H04L H04L1/00 H04L27/26 H04L5/00 H04L5/14 H04W H04W4/00 H04W72/04 (Advanced/Invention); H04L27/26 H04L5/00 H04L5/14 (Advanced/Non-invention)
CPC: H04L1/0038 H04L5/001 H04L5/0053 H04L5/0091 H04L5/14 H04W72/1289 H04W72/042 H04L5/0055 H04L27/2602 H04W72/0453
European: H04L5/00A2A11 H04L5/00C6 H04L5/00E T04L5/14
US: 1/1 370/207 370/318 370/328 370/329 370/344 455/434 455/73



Family:

Publication number	Publication date	Application number	Application date
CA2779299 AA	20120427	CA20102779299	20101029
CA2779299 C	20140909	CA20102779299	20101029
CN102714586 A	20121003	CN201080060288	20101029
CN102714586 B	20150826	CN201080060288	20101029
DE602010042277 D1	20170614	DE201060042277T	20101029
DE602010058872 D1	20190529	DE201060058872T	20101029
EP2494732 A1	20120905	EP20100779136	20101029
EP2494732 B1	20170510	EP20100779136	20101029
EP3176977 A1	20170607	EP20170153151	20101029
EP3176977 B1	20190508	EP20170153151	20101029
EP3525386 A1	20190814	EP20190167597	20101029
ES2731835 T3	20191119	ES20170153151T	20101029
HK1236697 A1	20180329	HK20170110306	20171012
HU044143 T2	20190930	HU20170153151T	20101029
JP2013509833 T2	20130314	JP20120537145T	20101029
KR101705397 B1	20170209	KR20127014063	20101029
KR101849504 B1	20180416	KR20177002209	20101029
KR101896879 B1	20180907	KR20187009905	20101029
KR101981024 B1	20190521	KR20187024443	20101029
KR20120085880 A	20120801	KR20127014063	20101029
KR20170012605 A	20170202	KR20177002209	20101029
KR20180038082 A	20180413	KR20187009905	20101029
KR20180098424 A	20180903	KR20187024443	20101029
PL3176977 T3	20191031	PL20170153151T	20101029
US2013010709 AA	20130110	US20120457313	20120426
US2014269585 AA	20140918	US20140292458	20140530
US2015333889 AA	20151119	US20150805858	20150722
US8780841 BB	20140715	US20120457313	20120426
US9100957 BB	20150804	US20140292458	20140530
US9345018 BB	20160517	US20150805858	20150722
WO11053857 A1	20110505	WO2010US54849	20101029

Priority:

US20090256841P 20091030 EP20100779136 20101029 EP20170153151 20101029
WO2010US54849 20101029 US20120457313 20120426 US20140292458 20140530
US20150805858 20150722 EP20170153151 20170125

Probable Assignee: RESEARCH IN MOTION LTD

Assignee(s): (std): BLACKBERRY LTD ; CAI ZHIJUN ; HEO YOUN HYOUNG ; EARNSHAW ANDREW MARK ; FONG MO HAN ; RESEARCH IN MOTION LTD ; XU HUA

Assignee(s): XU HUA4000 INNOVATION DRIVEKANATAO1K2K 3K1CA ; RESEARCH IN MOTION LTD2200 UNIVERSITY AVENUE EASTWATERLOO1N2K 0A7CA ; RESEARCH IN MOTION CORP ; EARNSHAW ANDREW MARK4000 INNOVATION DRIVEEXT. 13208OTTAWAO1K2K 3K1CA ; FONG MO HAN205 - 95 BEECH STREETOTTAWAO1K1S 3J7CA ; CAI ZHIJUN100 - 5000 RIVERSIDE DRIVEBRAZOS EAST, EXT. 63775IRVINGTX75039US ; RESEARCH IN MOTION LIMITED ; BLACKBERRY LTD2200 UNIVERSITY AVENUE EASTWATERLOO1N2K 0A7CA ; BLACKBERRY WATERLOO LTD

Inventor(s): (std): FONG MO HAN ; CAI ZHIJUN ; XU HUA ; HEO YOUN HYOUNG ; EARNSHAW ANDREW MARK ; ZHIJUN CAI ; MO HAN FONG ; HUA XU ; MARK EARNSHAW ANDREW ; HYOUNG HEO YOUN ; EARNSHAW MARK

Inventor(s): XU HUA4000 INNOVATION DRIVEKANATAO1K2K 3K1CA ; FONG MO HAN205 - 95 BEECH STREETOTTAWAO1K1S 3J7CA ; HEO YOUN HYOUNGCA ; CAI ZHIJUN100 - 5000 RIVERSIDE DRIVEBRAZOS EAST, EXT. 63775IRVINGTX75039US ; EARNSHAW ANDREW MARK4000 INNOVATION DRIVEEXT. 13208OTTAWAO1K2K 3K1CA ; CAI ZHIJUN IRVING ; EARNSHAW ANDREW MARK KANTA ; HEO YOUN HYOUNG KITCHENER ; CAI ZHIJUN ASHBURN ; FONG MO HAN KANATA ; XU HUA KANATA

Agent(s): RIDOUT AND MAYBEE LLP; MERH IP MATIAS ERNY REICHL HOFFMANN PATENTANWALTE PARTG MBB; MOORE BARRY; HANNA MOORE AND CURLEY; CARVAJAL Y URQUIJO ISABEL; VIVIEN CHAN AND CO; CONLEY ROSE PC; J ROBERT; CONLEY ROSE P C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

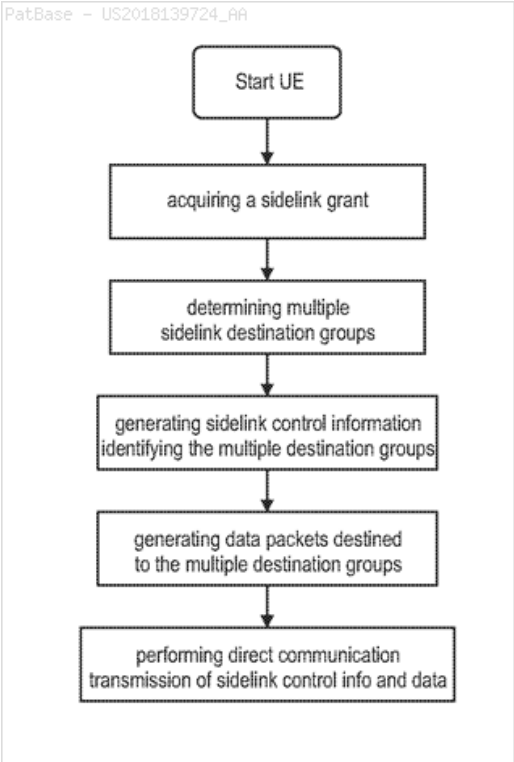
6) Family number: 63840695 (US2018139724A) © PatBase

Title: MULTIPLE PROSE GROUP COMMUNICATION DURING A SIDELINK CONTROL PERIOD

Abstract: A method allocates radio resources for a transmitting user equipment (UE) to perform direct communication transmissions over a direct sidelink connection to one or more receiving UEs. At least two sidelink grant processes are provided in the transmitting UE for the transmitting UE to handle at least two sidelink grants within the same transmission control period. Each one of the sidelink grant processes is associated with an identification and can be associated with one sidelink grant. The transmitting UE acquires at least two sidelink grants and associates each of the acquired sidelink grants with one sidelink grant process. For each sidelink grant, the transmitting UE allocates radio resources according to the respective sidelink grant to perform a direct communication transmission of sidelink control information and of data over the direct sidelink connection. The transmitting UE performs a direct communication transmission per acquired sidelink grant within the same transmission control period.

Classifications:

International (IPC 8-9): H04W4/08 H04W72/02 H04W72/04 H04W72/14 H04W76/14 H04W92/18 (Advanced/Invention); H04W72/02 H04W76/14 (Advanced/Non-invention)
CPC: H04W72/02 H04W76/14 H04W88/04 H04W72/0453 H04W72/14
US: 1/1 370/329



Family:

Publication number	Publication date	Application number	Application date
■ CN107615844 A	20180119	CN201580080060	20150417
■ EP3284299 A1	20180221	EP20150888829	20150417
■ EP3284299 A4	20181212	EP20150888829	20150417
■ IN201747036407 A	20171020	IN201747036407	20171013
■ JP2018512009 T2	20180426	JP20170551184T	20150417
■ JP2020017980 A2	20200130	JP20190168439	20190917
■ JP6590942 B2	20191016	JP20170551184T	20150417
■ US2018139724 AA	20180517	US20150567055	20150417
■ WO16165124 A1	20161020	WO2015C076867	20150417

Priority:

JP20170551184T 20150417 WO2015C076867 20150417

Probable Assignee: PANASONIC IP CORP AMERICA

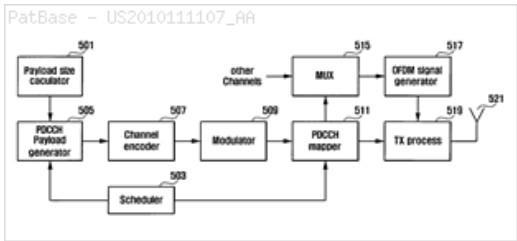
Assignee(s): (std): PANASINIC INTELLECTUAL PROPERTY CORP OF AMERICA ; PANASONIC IP CORP AMERICA
Assignee(s): PANASINIC INTELLECTUAL PROPERTY OF AMERICA CORP ; PANASONIC INTELLECTUAL PROPERTY OF AMERICA CORP
Inventor(s): (std): LOEHR JOACHIM ; BASU MALLICK PRATEEK ; WANG LILEI
Agent(s): GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; LIU SHEN AND ASSOCIATES
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

7) Family number: 44962988 (US2010111107A) © PatBase

Title: DEVICE AND METHOD FOR TRANSMITTING DOWNLINK CONTROL INFORMATION IN A WIRELESS COMMUNICATION SYSTEM

Abstract: A Downlink Control Information (DCI) processing device and method for a wireless communication system that encodes/decodes downlink control information based on a payload size of DCI format. The method includes determining a payload size of a first DCI format; and determining a payload size of a second DCI format by appending padding bits to the second DCI format until the payload size of the second DCI format is not an ambiguous size and is not equal to the payload size of the first DCI format.

Classifications:
International (ipc 8-9): H04B7/26 H04J3/22 H04L1/00 H04L1/18 H04L25/49 H04L27/26 H04L5/00 (Advanced/Invention); H04B7/26 H04L1/18 H04L5/00 (Advanced/Non-invention); H04B7/26 H04J3/22 H04L25/49 (Core/Invention); H04L5/00 (Core/Non-invention)
CPC: H04J2211/005 H04L1/0003 H04L1/0038 H04L5/0046 H04L1/0005 H04L1/1812 H04L5/0053 H04L5/0091 H04L27/2602
European: H04L1/00A15B H04L27/26M1 T04L1/00A1M T04L1/18D T04L5/00C6 T04L5/00E
US: 1/1 370/329 370/472 370/472P



Family:

Publication number	Publication date	Application number	Application date
■ CN102273098 A	20111207	CN200980153532	20091030
■ CN102273098 B	20140813	CN200980153532	20091030
■ CN104065459 A	20140924	CN201410317324	20091030
■ CN104065459 B	20170922	CN201410317324	20091030
■ DE602009024723 D1	20140731	DE200960024723T	20091030
■ DE602009050497 D1	20180301	DE200960050497T	20091030
■ EP2182689 A2	20100505	EP20090174645	20091030
■ EP2182689 A3	20110601	EP20090174645	20091030
■ EP2182689 B1	20140618	EP20090174645	20091030
■ EP2770656 A1	20140827	EP20140168998	20091030
■ EP2770656 B1	20180117	EP20140168998	20091030
■ KR101557676 B1	20151006	KR20080107684	20081031
■ KR20100048496 A	20100511	KR20080107684	20081031
■ US2010111107 AA	20100506	US20090610849	20091102
■ US2017019227 AA	20170119	US20160282214	20160930
■ US9461856 BB	20161004	US20090610849	20091102
■ US9794035 BB	20171017	US20160282214	20160930
■ WO10050784 A2	20100506	WO2009KR06360	20091030
■ WO10050784 A3	20100729	WO2009KR06360	20091030

Priority:
KR20080107684 20081031 CN200980153532 20091030 EP20090174645 20091030
EP20140168998 20091030 WO2009KR06360 20091030 US20090610849 20091102
US20160282214 20160930

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

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Agent(s): GULDE AND PARTNER PATENT U RECHTSANWALTSKANZLEI MBB; KETELAARS MAARTEN FJM ET AL; KETELAARS MAARTEN F J M; NEDERLANDSCH OCTROOIBUREAU; FARRELL LAW FIRM LLP; FARRELL LAW FIRM PC; YOON DONG YOL
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 68806997 (US2019190643A) © PatBase

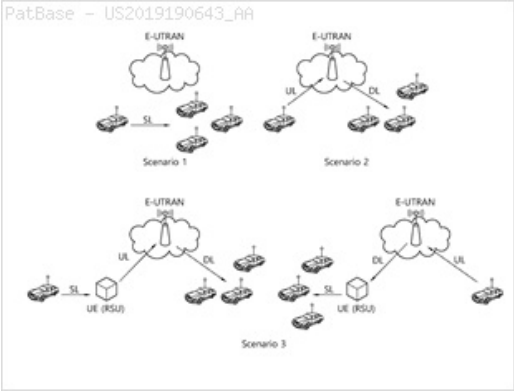
Title: METHOD FOR TERMINAL TRANSMITTING SIDELINK CONTROL INFORMATION IN WIRELESS COMMUNICATION SYSTEM AND TERMINAL USING SAME

Abstract: Provided are a method and a device for a terminal transmitting sidelink control information (SCI) in a wireless communication system. The method enables generating an SCI format and transmitting the generated SCI format to another terminal, wherein the SCI format is transmitted after determining the number of bits to be actually used in a resource allocation field included in the SCI format, and after zero-padding bits other than the number of bits to be actually used in the

resource allocation field.

Classifications:

International (IPC 8-9): H04L1/00 H04L27/26 H04W28/06 H04W4/46 H04W72/04 H04W72/12 H04W76/14 H04W92/18 (Advanced/Invention) CPC: H04W72/12 H04W72/1263 H04W72/1273 H04W72/1278 H04W72/1289 H04L1/0008 H04L1/001 H04W4/46 H04W72/0406 US: 1/1



Family:

Publication number	Publication date	Application number	Application date
■ CN109644486 A	20190416	CN201780052436	20170830
■ CN109644487 A	20190416	CN201780052773	20170830
■ EP3509378 A1	20190710	EP20170847004	20170830
■ EP3509379 A1	20190710	EP20170847005	20170830
■ JP2019534596 T2	20191128	JP20190511983T	20170830
■ JP2019535162 T2	20191205	JP20190511958T	20170830
■ KR20190026921 A	20190313	KR20197004655	20170830
■ KR20190026922 A	20190313	KR20197004656	20170830
■ US2019190643 AA	20190620	US20170328674	20170830
■ WO18044079 A1	20180308	WO2017KR09509	20170830
■ WO18044080 A1	20180308	WO2017KR09510	20170830

Priority:

US20160381055P 20160830	US20160381634P 20160831	US20160382311P 20160901
US20160383385P 20160902	US20160384163P 20160906	US20160416714P 20161103
US20160420732P 20161111	US20170450580P 20170126	WO2017KR09509 20170830
WO2017KR09510 20170830	US20170328674 20170830	

Probable Assignee: LG ELECTRONICS

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Inventor(s): (std): LEE SEUNGMIN ; SEO HANBYUL ; CHAE HYUKJIN

Agent(s): MAIKOWSKI AND NINNEMANN PATENTANWAELTE PARTNERSCHAFT MBB; ENVISION 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 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