

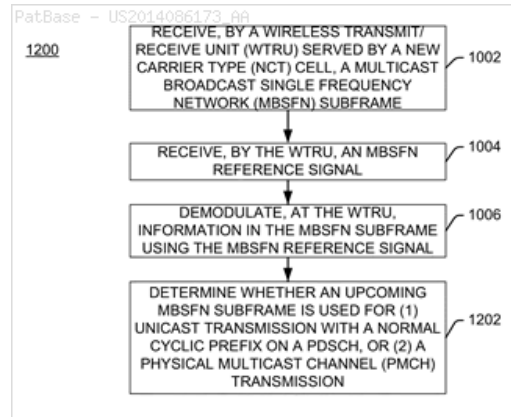
1) Family number: 56035072 (US2014086173A)

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Title:	METHODS, SYSTEMS AND APPARATUSES FOR OPERATION IN LONG-TERM EVOLUTION SYSTEMS							
Priority:	US20120706122P 20120926		US20130753375P 20130116		US20130807952P 20130403			
	US20130863090P 20130807		US20130036327 20130925		WO2013US61617 20130925			
	US20150263592P 20151204		US20160393607 20161229					
Family:	Publication number		Publication date		Application number		Application date	
	EP2901640 A2		20150805		EP20130776623		20130925	
	JP2015536097 T2		20151217		JP20150534620T		20130925	
	TW201429202 A		20140716		TW20130134525		20130925	
	TW201731251 A		20170901		TW20160140026		20161202	
	TWI580235 B		20170421		TW20130134525		20130925	
	US2014086173 AA		20140327		US20130036327		20130925	
	US2017111884 AA		20170420		US20160393607		20161229	
	US9553701 BB		20170124		US20130036327		20130925	
	WO14052412 A2		20140403		WO2013US61617		20130925	
	WO14052412 A3		20140912		WO2013US61617		20130925	
	WO17096121 A1		20170608		WO2016US64551		20161202	
Probable Assignee:	INTERDIGITAL PATENT HOLDINGS INC							
Assignee(s):(std):	IDAC HOLDINGS INC ; INTERDIGITAL PATENT HOLDINGS ; INTERDIGITAL PATENT HOLDINGS INC							
Inventor(s):(std):	STERN BERKOWITZ JANET ; BELURI MIHAELA C ; BALA ERDEM ; PRAGADA RAVIKUMAR V ; DEMIR ALPASLAN ; SUN LI HSIANG ; TAKAKI NOBUYUKI ; NAYEB NAZAR SHAHROKH ; TOOHER J PATRICK ; STERN BERKOWITZ JANET A ; PELLETIER GHYSLAIN ; LEE MOON IL ; SADEGHI POURIYA							
Agent(s):	KARLSSON MONA; TANI AND ABE PC; JULIAN F; SANTOS JULIAN							
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 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							
International class (IPC 8-9):	H04B7/06 H04J11/00 H04L27/26 H04L29/02 H04L5/00 H04L5/26 H04L7/00 H04L7/04 H04W48/10 H04W68/02 H04W72/04 H04W8/22 (Advanced/Invention); H04W72/00 (Advanced/Non-invention)							
CPC:	H04L5/001 H04L5/0023 H04L5/005 H04L5/0092 H04L27/2649 H04W72/005 H04W68/02 H04W72/042 H04W72/048 H04L5/14 H04L5/003 H04L27/2636 H04B7/0617 H04L27/2613 H04L27/2692 H04B7/0408							
US class:	1/1 370/328 370/329							
JP class F-Term:	5K004 5K022 5K067 5K067/CC14 5K067/DD19 5K067/DD24 5K067/DD25 5K067/DD30 5K067/DD44 5K067/EE56 5K067/EE71 5K067/GG11 5K067/HH22 5K067/HH24 5K067/KK03							
JP class F-Index:	H04J11/00/Z H04L27/26/114 H04L27/26/410 H04W48/10 H04W72/04/136 H04W8/22							
Classification Explorer								
Cited documents:	WO15109153 A1, WO12104635 A1, WO12051303 A1, WO10125769 A1, WO09072956 A1, US8995395 BB, US8929306 BB, US8837362 BB, US8553645 BB, US2014357272 AA, US2014010183 AA, US2013223395 AA, US2013170438 AA, US2013044664 AA, US2013039299 AA, US2012327894 AA, US2012252472 AA, US2012172063 AA, US2012099515 AA, US2011176530 AA, US2011026450 AA, US2010260081 AA, US2010202382 AA, US2009318170 AA, US2009259910 AA, US2009196261 AA, US2009170426 AA, US2009052376 AA, US2008259912 AA, US2008130519 AA, US2008095088 AA, US2005286495 AA, US2004000587 AA, TW2012188837, TW201218837 A, JP2015523767 T2, JP2014526159 T2, JP2014504835 T2, JP2011511509 T2, EP2369883 A1, EP2278830 A1, EP2071882 A2, CN102036301 A,							
Forward Citations:	WO19036231, WO19013986, WO18226859, WO18204665, WO18196306, WO18144781, WO18063678, WO18034833, WO17219241, WO17196406, WO17172858, WO17172194, WO17155599, WO17138847, WO17045188, WO17023354, WO16073927, WO16071010, WO15171318, WO15117375, US9998964, US9998960, US9949279, US9948443, US9930672, US9888431, US9867211, US9860890, US9814023, US9806898, US9768971, US9743324, US9723613, US9712262, US9655131, US9641371, US9560600, US9497673, US9485052, US9474007, US9473965, US9462559, US9461790, US9386534, US9307521, US9294256, US8982853, US2018091341, US2018054837, US2017318605, US2017280404, US2017180952, US2017164407, US2017150533, US2017079009, US2017064613, US2017048809, US2017048784, US2017041904, US2017013615, US2016345247, US2016330761, US2016330680, US2016330633, US2016278054, US2016255523, US2016227472, US2016219613, US2016205669, US2016192394, US2016191287, US2016135187, US2016127140, US2016088594, US2016081094, US2016073303, US2016073239, US2016057562, US2016050680, US2016020879, US2015381378, US2015373628, US2015358094, US2015341908, US2015271691, US2015256468, US2015222399, US2015181610, US2015131516, US2015124708, US2015003405, US2014254564, US2014211695, US2014204888, US2014119266, US10368296, US10341977, US10327225, US10327198, US10278184, US10278120, US10257850, US10251138, US10219243, US10219173, US10218527, US10178631, US10178568, US10165549, US10149323, US10142904, US10117170, US10111224, US10111066, US10075952, US10070271, US10064080, US10039145, US10039089, US10038529, US10034226, TWI571147, KR20160132054, KR101988093, JP6496037, JP6447898, JP6292530, JP2018511989, JP2018067972, JP2016529806, JP2016507954, EP3346751, EP3216158, EP3175653, CN108601068, CN107113781, CN106888069, CN106664517, CN106535245, CN105794272, CN105794272, CN105101449, CN105101449, CN105101282,							

Abstract:
Methods, systems and apparatuses for operation in long-term evolution (LTE) systems are provided, including a method implemented

by a wireless transmit/receive unit (WTRU) served by a cell, where an enhanced physical broadcast channel (ePBCH) may be sent by the cell and may including basic information for WTRU control. The method may include receiving, by the WTRU, the ePBCH, and demodulating the ePBCH based on a demodulation reference signal (DMRS). In some embodiments, demodulating the ePBCH may be based on any of: a primary synchronization signal (PSS), a secondary synchronization signal; and a cell-specific reference signal (CRS), as well. Also provided is a method implemented by a WTRU in a vicinity of a dormant cell. The method may include any of: receiving, from a dormant cell, a signal; receiving, from a serving cell, a trigger to initiate measurement of one or more dormant cells; and measuring the signal.



2) Family number: 65471180 (US2017273135A)

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Title: METHODS OF MANAGING LONG INACTIVITY PERIODS IN NON-FULL DUPLEX OPERATION

Priority: US20150242015P 20151015 US20160320868 20161003 WO2016SE50938 20161003

Family:

Publication number	Publication date	Application number	Application date
US2017273135 AA	20170921	US20160320868	20161003
WO17065671 A1	20170420	WO2016SE50938	20161003

Probable Assignee: TELEFONAKTIEBOLAGET LM ERICSSON PUBL

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

Inventor(s):(std): KAZMI MUHAMMAD ; SIOMINA IANA

Agent(s): BOU FAICAL ROGER

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 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

International class (IPC 8-9): H04L5/14 H04W52/02 H04W68/02 H04W76/04 (Advanced/Invention)

CPC: H04W68/02 H04L5/14 H04W88/02 H04W52/0216 H04W52/0229 Y02D70/1242 Y02D70/1262 Y02D70/142 Y02D70/21 Y02D70/24 H04W76/28 Y02D70/00

US class: 1/1 370/311

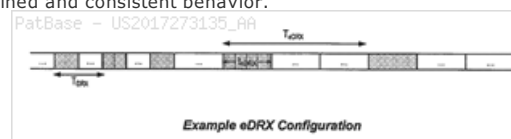
[Classification Explorer](#)

Cited documents: WO14181981 A1,

Forward Citations: US10051504,

Abstract:

Systems and methods relating to non-full duplex operation in a Discontinuous Reception (DRX) mode of operation with long inactivity periods are disclosed. In some embodiments, a method of operation of a first node for a cellular communications network comprises obtaining a configuration for non-full duplex operation in a multi-tier DRX mode of operation with long inactivity periods. The configuration comprises at least one long inactivity configuration parameter being greater than a threshold. The method further comprises applying the configuration. In this manner, the first node is enabled to operate under non-FDX configuration with long inactivity periods while ensuring a required performance level and/or well-defined and consistent behavior.



3) Family number: 74946184 (US2019207737A)

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Title: SELECTION OF GRANT AND CSI

Priority: US20170612132P 20171229 US20180615909P 20180110 US20180616189P 20180111 US20180237368 20181231 US20190244917 20190110

Family:

Publication number	Publication date	Application number	Application date
CA3028778 AA	20190629	CA20183028778	20181231

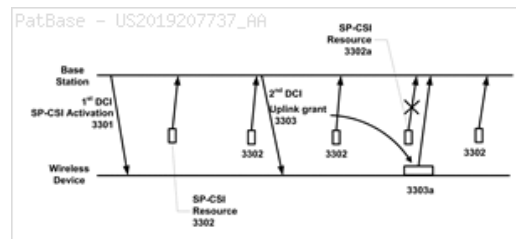
CA3029574 AA	20190710	CA20193029574	20190110
EP3512265 A1	20190717	EP20190151142	20190110
US2019207737 AA	20190704	US20180237368	20181231
US2019215781 AA	20190711	US20190244917	20190110

Probable Assignee: COMCAST CABLE COMMUNICATIONS LLC
Assignee(s):(std): COMCAST CABLE COMM LLC
Assignee(s): COMCAST CABLE COMMUNICATIONS LLC ; JEON HYOUNGSUK ; DINAN ESMAEL HEJAZI ; DINAN ESMAEL ; ZHOU HUA ; BABAEI ALIREZA
Inventor(s):(std): JEON HYOUNGSUK ; DINAN ESMAEL HEJAZI ; BABAEI ALIREZA ; ZHOU HUA ; DINAN ESMAEL
Agent(s): SMART AND BIGGAR; VO
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
International class (IPC 8-9): H04B7/06 H04L27/26 H04L5/00 H04W24/08 H04W24/10 H04W52/14 H04W52/18 H04W52/24 H04W72/02 H04W72/04 H04W72/12 H04W74/02 H04W74/04 H04W74/08 H04W76/11 H04W76/27 H04W76/28 H04W76/32 H04W80/02 H04W80/08 (Advanced/Invention)
CPC: H04L5/0098 H04L5/0007 H04B7/0617 H04B7/0632 H04W72/042 H04W72/0453 H04W72/046 H04W24/10 H04W24/08 H04L5/0048 H04W80/02 H04W80/08 H04L27/2607 H04W74/0808 H04W74/02 H04W76/27 H04W76/11 H04W76/28 H04B7/0626 H04W52/241 H04W76/32 H04W52/146 H04W52/325 H04B7/0695 H04B7/088 H04W72/1268

[Classification Explorer](#)

Abstract:

Uplink resources for semi-persistent channel state information (SP-CSI) reports and other uplink transport block transmissions may be managed. If resources allocated to the SP-CSI reports overlap, in time, with resources allocated to the uplink transport block transmissions, a determination of whether to drop an SP-CSI report may be made. Various selection criteria may be used to make this determination.



4) Family number: 69744302 (WO18088840A1)

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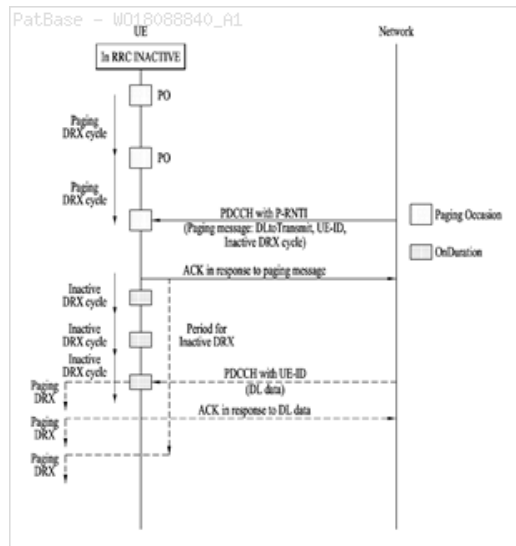
Title: METHOD AND USER EQUIPMENT FOR RECEIVING DOWNLINK SIGNALS PROCEDE ET EQUIPEMENT UTILISATEUR DESTINES A LA RECEPTION DE SIGNAUX DE LIAISON
Priority: US20160421291P 20161113 US20160421972P 20161114 WO2017KR12728 20171110
Family:

Publication number	Publication date	Application number	Application date
CN109923915 A	20190621	CN201780065504	20171110
WO18088840 A1	20180517	WO2017KR12728	20171110

Probable Assignee: LG ELECTRONICS
Assignee(s):(std): LG ELECTRONICS ; LG ELECTRONICS INC
Inventor(s):(std): YI SEUNGJUNE ; LEE SUNYOUNG
Agent(s): KIM YONG IN 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 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
International class (IPC 8-9): H04W68/02 H04W76/04 H04W76/20 (Advanced/Invention)
CPC: H04W68/02 H04W52/02 H04W76/28 H04W52/0216 Y02D70/00 Y02D70/1224 Y02D70/1226 Y02D70/1242 Y02D70/1262 Y02D70/1264 Y02D70/142 Y02D70/146 Y02D70/20 Y02D70/21 Y02D70/23 Y02D70/24
[Classification Explorer](#)
Cited documents: WO15173197 A1, WO15054886 A1, US2016128129 AA, US2016044605 AA, US2016007170 AA, US2013329637 AA,

Abstract:

In the present invention, a user equipment (UE) receives a paging message while using a paging discontinuous reception (DRX). The UE transitions from the paging DRX with a paging DRX cycle to an inactive DRX with an inactive DRX cycle if the paging message includes an indication that there is downlink data for the UE. The UE monitors a physical downlink control channel (PDCCH) using the inactive DRX to receive the downlink data.



5) Family number: 70344599 (US2018192436A)

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Title: METHOD AND USER EQUIPMENT FOR RECEIVING DOWNLINK SIGNALS

Priority: US20170441576P 20170103 US20180861574 20180103

Family:

Publication number	Publication date	Application number	Application date
US2018192436 AA	20180705	US20180861574	20180103

Probable Assignee: LG ELECTRONICS

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

Inventor(s):(std): YI SEUNGJUNE ; LEE SUNYOUNG

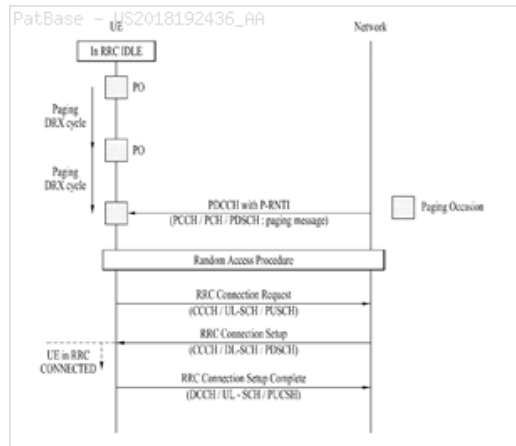
International class (IPC) H04W68/00 H04W72/04 H04W72/14 H04W76/28 (Advanced/Invention)
8-9):

CPC: H04W72/14 H04W68/005 H04W72/042 H04W72/0413 H04W76/27 H04W76/28 H04W72/1278 Y02D70/00 Y02D70/10 Y02D70/12 Y02D70/122 Y02D70/1224 Y02D70/1226 Y02D70/124 Y02D70/1242 Y02D70/126 Y02D70/1262 Y02D70/1264 Y02D70/14 Y02D70/142 Y02D70/146 Y02D70/20 Y02D70/21 Y02D70/23 Y02D70/24

[Classification Explorer](#)

Abstract:

In the present invention, a user equipment (UE) receives a paging message associated with downlink (DL) data. The UE transmits a paging feedback using a uplink (UL) grant associated with the paging message. The UE monitors a physical downlink control channel (PDCCH) to receive the DL data.



6) Family number: 72483646 (US2018368157A)

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Title: GRANT FREE FOR LARGE DATA SIZE

Priority: US20170520379P 20170615 US20170520403P 20170615 US20170520423P 20170615
US20170520431P 20170615 US20170520415P 20170615 US20170520438P 20170615
US20180010216 20180615 US20180010212 20180615 US20180010214 20180615

Family:

Publication number	Publication date	Application number	Application date
US20180010216	20180615	US20180010212	20180615
US20180010214	20180615	US20180010212	20180615

US2018368157 AA	20181220	US20180010216	20180615
US2018368174 AA	20181220	US20180010212	20180615
US2018368175 AA	20181220	US20180010214	20180615
WO18232321 A2	20181220	WO2018US37880	20180615
WO18232321 A3	20190214	WO2018US37880	20180615

Probable Assignee: OFINNO LLC

Assignee(s):(std): BABAEI ALIREZA ; DINAN ESMAEL ; JEON HYOONGSUK ; PARK KYUNGMIN

Assignee(s): OFINNO LLC ; OFINNO TECHNOLOGIES LLC ; OFINNO

Inventor(s):(std): JEON HYOONGSUK ; DINAN ESMAEL ; PARK KYUNGMIN ; BABAEI ALIREZA

Agent(s): GROSSMAN DAVID 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 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

International class (IPC 8-9): H04L5/00 H04W72/04 H04W72/12 H04W72/14 H04W74/04 (Advanced/Invention); H04W28/02 H04W52/14 H04W76/28 (Advanced/Non-invention)

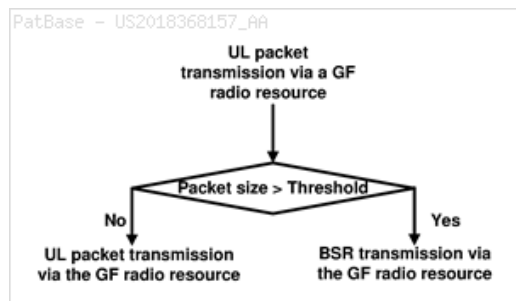
CPC: H04W72/1257 H04W72/044 H04W72/1284 H04W72/14 H04W72/1268 H04W72/1278 H04L5/001 H04L5/0044 H04L5/0053 H04L5/0094 H04W72/04 H04W76/28 H04W74/006 H04W72/042 H04W72/0446 H04W52/146 H04W52/247 H04W52/362

[Classification Explorer](#)

Cited documents: WO18127201 A1,

Abstract:

A wireless device may receive one or more radio resource control messages from a base station. The one or more radio resource control messages may comprise: at least one first parameter of a configured periodic grant of a first type, and a second parameter of a first logical channel. A BSR may be multiplexed onto at least one packet in response to a size of the data of the first logical channel being larger than a first threshold. The BSR may indicate the size of the data. The at least one packet may be transmitted via a resource of the configured periodic grant of the first type.



7) Family number: 66582649 (WO17134561A1)

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Title: METHODS AND APPARATUS FOR CELL VERIFICATION UNDER UE EDRX PROCESSES ET APPAREIL DE VERIFICATION DE CELLULE POUR UN UE EN MODE EDRX </TI_FR

Priority: US20160289522P 20160201 WO2017B50517 20170131

Family:

Publication number	Publication date	Application number	Application date
CN109315010 A	20190205	CN201780022410	20170131
EP3412113 A1	20181212	EP20170703804	20170131
JP2019507550 T2	20190314	JP20180539876T	20170131
KR20180103104 A	20180918	KR20187023060	20170131
PH2018501634 A	20190527	PH20180501634	20180801
WO17134561 A1	20170810	WO2017B50517	20170131

Probable Assignee: ERICSSON AB

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

Inventor(s):(std): KAZMI MUHAMMAD ; SIOMINA IANA

Agent(s): HASELTINE LAKE LLP; BEVINS R CHAD

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

International class (IPC 8-9): H04W16/32 H04W24/10 H04W48/16 H04W52/02 H04W68/02 H04W76/04 H04W76/28 (Advanced/Invention)

CPC: H04W76/28 H04W24/10 H04W48/16

JP class F-Term: 5K067 5K067/AA43 5K067/DD13 5K067/DD17 5K067/EE02 5K067/EE10 5K067/EE56 5K067/FF13

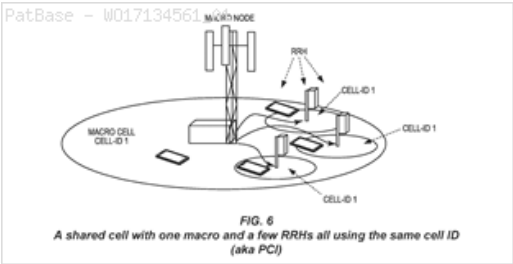
JP class F-Index: H04W16/32 H04W52/02/110 H04W68/02

[Classification Explorer](#)

Forward Citations: WO19032009,

Abstract:

Systems and methods for cell verification for a wireless device configured to operate under extended Discontinuous Reception (eDRX) are disclosed. In some embodiments, a method of operation of a wireless communication device configured to operate with an eDRX cycle comprises acquiring a first identifier of at least one first cell during a time associated with a first paging time window of the eDRX cycle with which the wireless communication device is configured and acquiring a second identifier of at least one second cell during a time associated with a second paging time window of the eDRX cycle. The method further comprises performing a first type of wireless communication device radio operations if the first identifier is the same as the second identifier and performing a second type of wireless communication device radio operations if the first identifier is different than the second identifier.



8) Family number: 69679717 (WO18083631A1)

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Title: CONTROLLING THE IMPACT OF SRS SWITCHING ON CARRIER AGGREGATION ACTIVATION-RELATED DELAYS CONTROLE DE L'IMPACT D'UNE COMMUTATION SRS SUR DES RETARDS LIES A U

Priority: US20160417452P 20161104 WO2017B56836 20171102

Family:

Publication number	Publication date	Application number	Application date
KR20190058615 A	20190529	KR20197012844	20171102
WO18083631 A1	20180511	WO2017B56836	20171102

Probable Assignee: ERICSSON AB

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

Inventor(s):(std): SIOMINA IANA ; KAZMI MUHAMMAD

Agent(s): CARTIER FRANCOIS 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 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

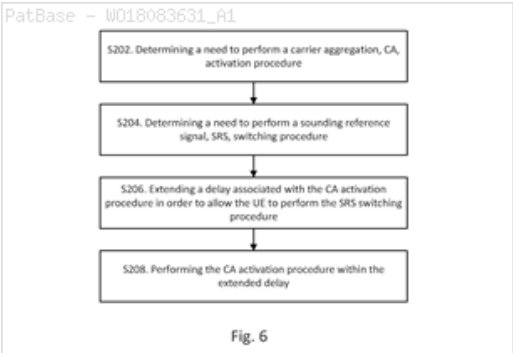
International class (IPC 8-9): H04L5/00 (Advanced/Invention)

CPC: H04L5/0098 H04L5/001 H04L5/0051

[Classification Explorer](#)

Cited documents: US201261678462 P, SE2012050644,

Abstract: Methods and related nodes are disclosed that can enable the control of the impact of SRS switching on carrier aggregation activation delays. In some aspects, the method comprises determining a need to perform a carrier aggregation (CA) activation procedure, determining a need to perform a sounding reference signal (SRS) switching procedure, extending a delay associated with the CA activation procedure in order to allow the UE to perform the SRS switching procedure, and performing the CA activation procedure within the extended delay.



9) Family number: 66583726 (WO17135871A1)

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Title: METHODS OF RELIABLE PAGING TRANSMISSION UNDER UE EDRX PROCEDES DE TRANSMISSION DE RADIOMESSAGERIE FIABLE DANS UNE UE EDRX

Priority: US20160289725P 20160201 WO2017SE50079 20170131

Family:

Publication number	Publication date	Application number	Application date
AR107496 AA	20180502	AR2017P100248	20170131

EP3412086 A1	20181212	EP20170704554	20170131
EP3412086 B1	20190807	EP20170704554	20170131
JP2019507975 T2	20190322	JP20180536431T	20170131
WO17135871 A1	20170810	WO2017SE50079	20170131

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Inventor(s):(std): KAZMI MUHAMMAD ; SIOMINA IANA

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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 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

International class (IPC 8-9): H04B1/38 H04L29/00 H04L29/04 H04L29/08 H04W4/00 H04W4/70 H04W52/02 H04W68/00 H04W68/02 H04W76/04 H04W76/28 (Advanced/Invention)

CPC: H04W76/28 H04W4/70 H04W68/005

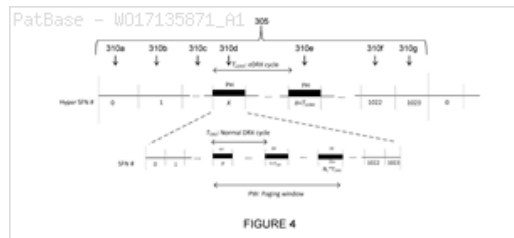
JP class F-Term: 5K067 5K067/AA43 5K067/CC22 5K067/DD13 5K067/EE02 5K067/EE16

JP class F-Index: H04W4/70 H04W52/02/110 H04W68/02 H04W76/28

[Classification Explorer](#)

Abstract:

A method in a network node (115) comprises obtaining (704) a length of a paging transmission window (PTW) (515) within a discontinuous reception (DRX) cycle of a first type (505) configured in a first cell, and obtaining (708) at least one of a number of DRX cycles of a second type (525) remaining within the PTW with respect to a reference time in the first cell and an amount of time remaining within the PTW starting from the reference time. The method comprises determining (712) whether a paging message can be transmitted in the first cell based on the obtained at least one of the number of DRX cycles of the second type remaining within the PTW with respect to the reference time in the first cell and the amount of time remaining within the PTW starting from the reference time.



10) Family number: 72482827 (US2018367255A)

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Title: GRANT-FREE FAILURE REPORTING

Priority: US20170520438P 20170615 US20180010218 20180615

Family:

Publication number	Publication date	Application number	Application date
US2018367255 AA	20181220	US20180010218	20180615

Probable Assignee: BABAEI ALIREZA

Assignee(s):(std): BABAEI ALIREZA ; DINAN ESMAEL ; JEON HYOUNGSUK ; PARK KYUNGMIN

Assignee(s): OFINNO LLC

Inventor(s):(std): JEON HYOUNGSUK ; DINAN ESMAEL ; PARK KYUNGMIN ; BABAEI ALIREZA

International class (IPC 8-9): H04L1/16 H04W72/14 (Advanced/Invention)

CPC: H04L1/1607 H04L1/1812 H04W72/14 H04L5/00 H04W72/042 H04L1/1896

US class: 370/329

[Classification Explorer](#)

Abstract:

A wireless device receives from a base station, first message(s) comprising configuration parameter(s) indicating: a timing offset and a symbol number identifying a resource of an uplink grant of a configured periodic grant of a first type; and a first periodicity of the configured periodic grant. The first periodicity indicates a time interval between two subsequent resources of the configured periodic grant. Transport block(s) are transmitted via the resource of the configured periodic grant. A second message indicating a request for transmission information associated with the configured periodic grant is received. A third message is transmitted, in response to the second message, indicating: a first value based on a number of transmissions via the resource associated with the configured periodic grant, and/or a second value based on a number of times that the wireless device received no corresponding acknowledgement from the base station in response to the transmissions.

