

1) Family number: 69820316 (US2018146439A)

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Title: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING DATA OF TERMINAL

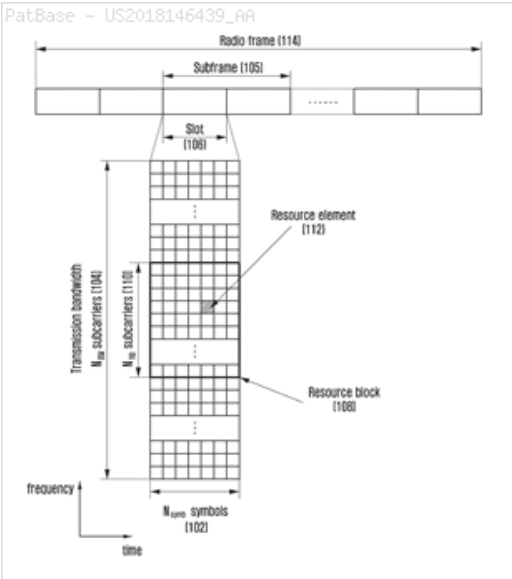
Abstract: A communication technique and system for converging, with Internet of things (IoT) technology, a 5th generation (5G) communication system for supporting a higher data transmission rate beyond a 4th generation (4G) system is provided. The present disclosure may be applied to intelligent services (for example, smart homes, smart buildings, smart cities, smart cars or connected cards, health care, digital education, retail business, security and safety related services, etc.), on the basis of the 5G communication technology and IoT associated technology. According to an embodiment, a method of a terminal in a wireless communication system is provided. The method includes receiving system information, identifying power information for a synchronization signal and a broadcast channel, based on the system information, and transmitting and receiving a signal, based on the power information. In this method, the power information for the synchronization signal and the broadcast channel are set equally.

Classifications:

International (IPC 8-9): H04L5/00 H04W24/04 H04W52/28 H04W52/32 H04W56/00 H04W72/00 H04W72/04 H04W76/00 (Advanced/Invention)

CPC: H04W72/0406 H04W56/00 H04W72/0453 H04L5/001 H04L5/0098 H04W24/04 H04W76/00 H04W28/20 H04W52/283 H04W52/322 H04W52/325

US: 1/1 455/522



Family:

Publication number	Publication date	Application number	Application date
EP3527022 A2	20190821	EP20170874041	20171122
EP3527022 A4	20191009	EP20170874041	20171122
KR20180057463 A	20180530	KR20160170611	20161214
US2018146439 AA	20180524	US20170821323	20171122
WO18097597 A2	20180531	WO2017KR13350	20171122
WO18097597 A3	20180726	WO2017KR13350	20171122

Priority:

US20160425369P 20161122 KR20160170611 20161214 US20170821323 20171122
WO2017KR13350 20171122

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Agent(s): HGF LTD; YOON AND LEE INT 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 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

2) Family number: 48310431 (US2012140778A)

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Title: SERVICE BEARER METHOD AND APPARATUS, SERVICE DATA RECEIVING METHOD AND RECEIVING TERMINAL

Abstract: A service bearer method and apparatus, a service data receiving method and a receiving terminal are provided. The

method includes: a network side converts a Multimedia Broadcast and Multicast Service (MBSFN) sub-frame to a unicast service sub-frame and bears the unicast service on the converted unicast sub-frame. The method improves the utilization ratio of the wireless resources.

Classifications:

International (IPC 8-9): H04J1/00 H04J11/00 H04J3/16 H04J3/26
H04J99/00 H04W28/06 H04W4/06 H04W72/00 (Advanced/Invention)
CPC: H04W72/005

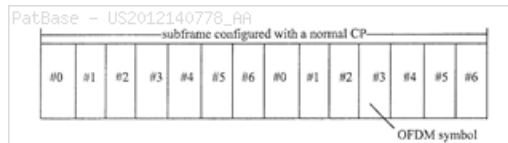
European: H04L27/26M5C9B1 T04W4/18

US: 370/432 370/466 370/475 370/475P

JP F-Term: 5K004 5K022 5K067 5K067/AA11 5K067/BB04 5K067/DD34

5K067/EE02 5K067/EE10 5K067/EE16 5K067/HH22 5K067/JJ02 5K067/JJ11 5K067/JJ21

JP F-Index: H04J1/00 H04J11/00/Z H04L27/26/110 H04Q7/00/125 H04Q7/00/265 H04W28/06/110 H04W4/06/150



Family:

Publication number	Publication date	Application number	Application date
CN101998263 A	20110330	CN200910166152	20090814
CN101998263 B	20141105	CN200910166152	20090814
DE602010031484 D1	20160504	DE201060031484T	20100513
EP2466922 A1	20120620	EP20100807894	20100513
EP2466922 A4	20130227	EP20100807894	20100513
EP2466922 B1	20160323	EP20100807894	20100513
JP2013502108 T2	20130117	JP20120524090T	20100513
JP5588513 B2	20140910	JP20120524090T	20100513
US2012140778 AA	20120607	US20100390457	20100513
US8730986 BB	20140520	US20100390457	20100513
WO11017949 A1	20110217	WO2010CN72736	20100513

Priority:

CN200910166152 20090814 EP20100807894 20100513 WO2010CN72736 20100513

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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

3) Family number: 64635901 (US2018198649A)

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Title: WINDOW/FILTER ADAPTATION IN FREQUENCY-MULTIPLEXED OFDM-BASED TRANSMISSION SYSTEMS

Abstract: Techniques are disclosed for adaptively determining windowing functions and/or filtering functions in a system that uses multiple multicarrier modulation numerologies. According to one aspect, a method comprises determining (1610) first and second quantities of frequency resources needed for first and second multicarrier modulation schemes, respectively, the first and second multicarrier modulation schemes having first and second subcarrier spacings, respectively, the first subcarrier spacing differing from the second subcarrier spacing; determining (1620) a first windowing function and/or first filtering function, for use with the first multicarrier modulation scheme, based on at least one of the first and second quantities of frequency resources; and transmitting (1630) a multi-mode multi-carrier modulation signal in a frequency band, during the first interval, using the first and second multicarrier modulation schemes and the first and second quantities of frequency resources. Transmitting the multi-mode multi-carrier modulation signal comprises applying the first windowing and/or first filtering function to the first multicarrier modulation scheme.

Classifications:

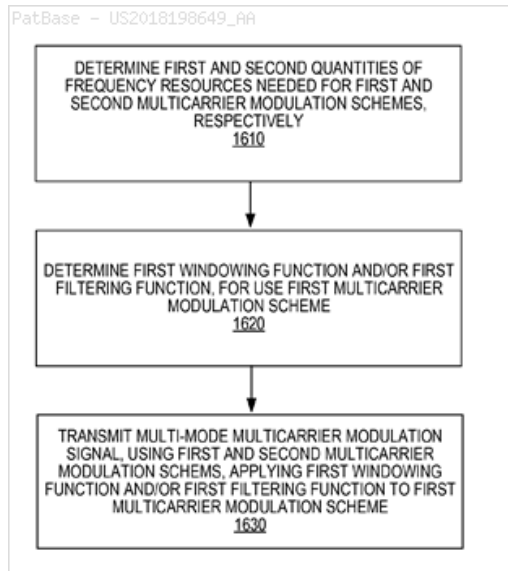
International (IPC 8-9): H04L H04L1/00 H04L27/00 H04L27/26 H04L5/00
H04W H04W16/14 H04W72/04 H04W72/14 (Advanced/Invention);
H04L1/00 (Advanced/Non-invention)

CPC: H04L1/00 H04L5/006 H04L5/0066 H04L5/0085 H04L5/0087
H04L5/0091 H04L27/2628 H04L27/2607 H04W72/0446 H04L5/0092
H04L5/0007 H04L5/0028 H04L5/0064 H04L27/0012 H04W16/14
H04L27/0008 H04W72/0453 H04L27/264

US: 1/1 370/260 370/330

JP F-Term: 5K004 5K067 5K067/CC02 5K067/CC04 5K067/DD34
5K067/EE02 5K067/EE10 5K067/GG01 5K067/GG11 5K067/JJ11
5K067/JJ21

JP F-Index: H04L27/26/113 H04W72/04/131 H04W72/04/133
H04W72/14



Family:

Publication number	Publication date	Application number	Application date
CN107925536 A	20180417	CN201580082931	20150706
EP3320638 A1	20180516	EP20150734665	20150706
HK1253833 A1	20190705	HK20180112959	20181011
IN201717047072 A	20180223	IN201717047072	20171228
JP2018521587 T2	20180802	JP20180500368T	20150706
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US2018198649 AA	20180712	US20150742120	20151013
US2018199341 AA	20180712	US20150742204	20150706
WO17005295 A1	20170112	WO2015EP65378	20150706
WO17005331 A1	20170112	WO2015EP73684	20151013

Priority:

WO2015EP65378 20150706 WO2015EP73684 20151013

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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