

Search query (2): [SP]: unified frame structure a unified frame structure design includes multiple structures to support multiple access requirements. in some aspects, different access requirements may relate to different access terminal categories and/or different applications. in some aspects, different access terminal categories may relate to different performance requirements of different access terminals. in some aspects, the disclosed unified frame structure design could support, for example, and without limitation, at least one of: a low latency mode, a low overhead mode, a low power mode (e.g., for micro-sleep and/or dynamic bandwidth switching), an access terminal with narrowband capability operating in wideband, or ultra-low-latency and nominal multiplexing. other aspects, embodiments, and features are also claimed and described.

Results: 9

1) Family number: 62235781 (US2016128056A)

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Title: UNIFIED FRAME STRUCTURE

Abstract: Source: US2016128056A [EN] A unified frame structure design includes multiple structures to support multiple access requirements. In some aspects, different access requirements may relate to different access terminal categories and/or different applications. In some aspects, different access terminal categories may relate to different performance requirements of different access terminals. In some aspects, the disclosed unified frame structure design could support, for example, and without limitation, at least one of: a low latency mode, a low overhead mode, a low power mode (e.g., for micro-sleep and/or dynamic bandwidth switching), an access terminal with narrowband capability operating in wideband, or ultra-low-latency and nominal multiplexing. Other aspects, embodiments, and features are also claimed and described.

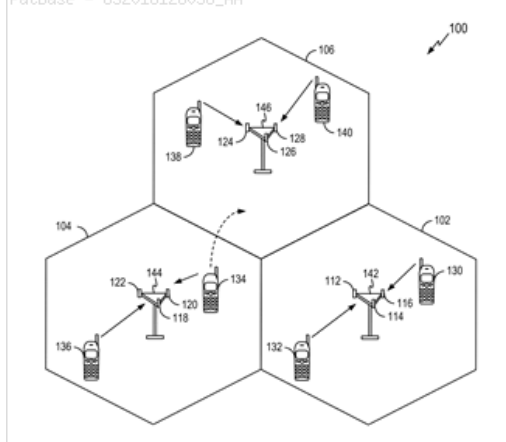
Classifications:**International (IPC 8-9):** H04L H04L27/26 H04L5/00 H04W28/06

H04W28/18 H04W48/10 H04W72/04 H04W88/02

H04W92/10 (Advanced/Invention)

CPC: H04L5/0044 H04L5/0053 H04L27/2602 H04L5/0092**US:** 370/329

PatBase - US2016128056_AA

**Family:**

Publication number	Publication date	Application number	Application date
AU2015339646 AA	20160506	AU20150339646	20151022
BR112017008699 A2	20180227	BR20171108699	20151022
CA2962839 AA	20170327	CA20152962839	20151022
CL2017001031 A1	20171222	CL20170001031	20170426
CN107210873 A	20170926	CN201580058475	20151022
CO20170004047 A2	20170719	CO20170004047	20170426
EP3213476 A1	20170906	EP20150791141	20151022
IL251182 A0	20170529	IL20150251182	20151022
IN201747009794 A	20170602	IN201747009794	20170321
JP2017537510 T2	20171214	JP20170521221T	20151022
KR20170076692 A	20170704	KR20177011917	20151022
MX2017005475 A1	20170810	MX20170005475	20151022
PH2017500553 A	20170830	PH20170500553	20170324
SG11201702099V A1	20170530	SG20171102099	20151022
TW201622471 A	20160616	TW20150134712	20151022
US2016128056 AA	20160505	US20150720579	20150522
WO16069378 A1	20160506	WO2015US56983	20151022

Priority:

US20140073877P 20141031 US20150720579 20150522 WO2015US56983 20151022

Probable Assignee: QUALCOMM INC**Assignee(s):** (std): QUALCOMM INC**Assignee(s):** MUKKAVILLI KRISHNA KIRAN ; SMEE JOHN EDWARD ; JIANG JING ; SORIAGA JOSEPH BINAMIRA ; ANG PETER PUI LOK ; AZARIAN YAZDI KAMBIZ ; BHUSHAN NAGA ; JI TINGFANG**Inventor(s):** (std): ANG PETER PUI LOK ; AZARIAN YAZDI KAMBIZ ; BHUSHAN NAGA ; JI TINGFANG ; JIANG JING ; MUKKAVILLI KRISHNA KIRAN ; SMEE JOHN EDWARD ; SORIAGA JOSEPH BINAMIRA ; YAZDI KAMBIZ ; AZARIAN ; TINGFANG JI ; PETER PUI LOK ANG ; NAGA BHUSHAN ; KRISHNA KIRAN MUKKAVILLI ; KAMBIZ AZARIAN YAZDI ; JOSEPH BINAMIRA SORIAGA ; JOHN EDWARD SMEE ; JING JIANG**Agent(s):** MADDERNS PATENT AND TRADE MARK ATTORNEYS; SMART AND BIGGAR; ESTUDIO CLARKE MODET AND CO CHILE LIMITADA; JOSE ANDRES RINCON USCATEGUI; DUNLOP HUGH CHRISTOPHER; BURGESS JEFFREY**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 VZ ZM ZW

Title: ADVANCED TECHNOLOGY FRAME STRUCTURE WITH BACKWARD COMPATIBILITY

Abstract: Source: US2009116427A [EN] An advanced technology frame structure is described herein. The advanced technology frame structure can enhance a first technology frame structure in dimensions of time, frequency, or a combination of time and frequency. A second technology frame structure time division multiplexes second technology subframes with the first technology downlink and uplink subframes. The first technology downlink subframe can be divided into a first technology downlink subframe and one or more second technology downlink subframes. Similarly, the first technology uplink subframe can be divided into a first uplink subframe and one or more second technology uplink subframes. These principles can be expanded upon and can be applied in many communication systems.

Classifications:

International (IPC 8-9): H04B7/208 H04B7/24 H04B7/26 H04J11/00 H04J4/00 H04L5/00 H04L5/14 H04W40/00 H04W56/00

H04W72/04 (Advanced/Invention);

H04W16/14 (Advanced/Non-invention);

H04B7/24 H04B7/26 H04W40/00 (Core/Invention);

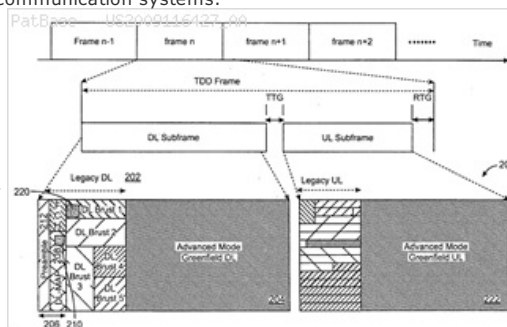
H04B (Subclass/Invention)

International (IPC 1-7): H04B7/24

CPC: H04W72/0453 H04W72/0446 H04L5/0007 H04L5/14 H04W16/14 H04W72/04

European: H04L5/00A2A1 H04L5/14 T04W16/14 T04W72/04

US: 1/1 370/208 370/280 370/281 370/328 370/328P 370/330 370/330P 370/344 370/478 370/480 455/450



Family:

Publication number	Publication date	Application number	Application date
■ CN101911534 A	20101208	CN200880123843	20081105
■ CN101911534 B	20140730	CN200880123843	20081105
■ EP2213015 A2	20100804	EP20080847248	20081105
■ EP2213015 A4	20120718	EP20080847248	20081105
■ HK1151642 A1	20150605	HK20110105727	20110607
■ IN03962DN2010 A	20101105	IN2010DN03962	20100603
■ US2009116427 AA	20090507	US20080265435	20081105
■ US2012140730 AA	20120607	US20120372123	20120213
■ US2014161098 AA	20140612	US20140179244	20140212
■ US8139537 BB	20120320	US20080265435	20081105
■ US8687585 BB	20140401	US20120372123	20120213
■ US9474072 BB	20161018	US20140179244	20140212
■ WO09061790 A2	20090514	WO2008US82444	20081105
■ WO09061790 A3	20090625	WO2008US82444	20081105

Priority:

US20070986257P 20071107 US20080030183P 20080220 US20080265435 20081105
 WO2008US82444 20081105 US20120372123 20120213 US20140179244 20140212

Probable Assignee: WI LAN INC

Assignee(s): (std): BOURLAS YAIR ; GUMMADI SRIKANTH ; MARKS ROGER ; MONUMENT BANK OF INTELLECTUAL PROPERTY LLC ; NEXTWAVE BROADBAND INC ; STANWOOD KENNETH ; WI LAN INC ; WANG LEI ; PORAT RON

Inventor(s): (std): KENNETH STANWOOD ; ROGER MARKS ; WANG LEI ; STANWOOD KENNETH ; PORAT RON ; MARKS ROGER ; GUMMADI SRIKANTH ; BOURLAS YAIR

Agent(s): TALBOT PONSONBY DANIEL FREDERICK; TOWNSEND AND TOWNSEND AND CREW LLP; VOLPE AND KOENIG PC; ASCENDA LAW GROUP PC; WHITE KATHERINE W 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 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 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

Title: METHOD OF TRANSMITTING INFORMATION FOR SUPPORTING LEGACY SYSTEM AND MULTI-CARRIER SYSTEM

Abstract: Source: US2011002320A [EN] A method for transmitting information that supports a legacy system and a multi-carrier system is disclosed. The method for transmitting information supporting a legacy system includes constructing a frame structure for supporting the legacy system, and transmitting a frame header including allocation information of the frame structure to a mobile station.

Classifications:

International (IPC 8-9): H04B7/212 H04H20/71 H04H60/09 H04J3/16 H04L12/28 H04L12/56 H04N7/24 H04W4/00 (Advanced/Invention);

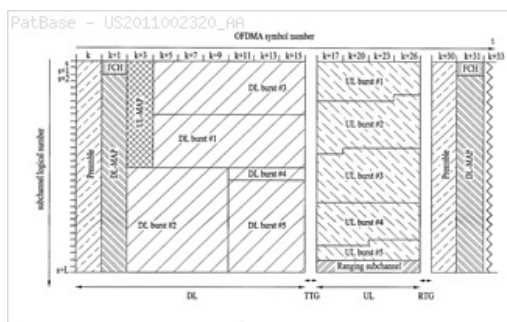
H04H20/71 H04H60/09 (Advanced/Non-invention);

H04H20/65 H04H60/09 (Core/Invention)

CPC: H04W48/08 H04W72/04

European: H04W48/08 T04W72/04

US: 370/328 370/337 370/338 370/338P 370/347 370/392 370/392S 370/465



Family:

Publication number	Publication date	Application number	Application date
KR101633337 B1	20160708	KR20107015901	20090303
KR20090094736 A	20090908	KR20080096320	20080930
KR20110003463 A	20110112	KR20107015901	20090303
US2011002320 AA	20110106	US20090920630	20090303
US8411620 BB	20130402	US20090920630	20090303
WO09110733 A2	20090911	WO2009KR01043	20090303
WO09110733 A3	20091029	WO2009KR01043	20090303

Priority:

KR20080096320 20080930 US20080033029P 20080303 US20080037300P 20080317
WO2009KR01043 20090303 US20090920630 20090303

Probable Assignee: LG ELECTRONICS INC

Assignee(s): (std): KIM JEONG KI ; LG ELECTRONICS INC ; RYU KI SEON ; YUK YOUNG SOO

Inventor(s): (std): KIM JEONG KI ; RYU KI SEON ; YUK YOUNG SOO

Agent(s): BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP; KIM YONG IN 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 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 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 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

4) Family number: 47453130 (US2012063374A)

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Title: METHOD FOR CONDUCTING COMMUNICATION USING A FRAME STRUCTURE WHICH SUPPORTS TWO OR MORE WIRELESS COMMUNICATION SCHEMES

Abstract: Source: US2012063374A [EN] Disclosed is a method for conducting communication using a frame structure which supports two or more wireless communication schemes, and an apparatus using the method. A method for constructing an FDD frame according to the present invention efficiently supports a legacy system and an enhanced system using an H-FDD frame structure. Further, the method for constructing an FDD frame according to the present invention efficiently supports a terminal and an H-FDD terminal, which use different communication systems.

Classifications:

International (IPC 8-9): H04B7/26 H04J1/00 H04J11/00 H04J3/06 H04J3/16 H04L27/26 H04L5/14 H04W4/00

H04W72/04 (Advanced/Invention);

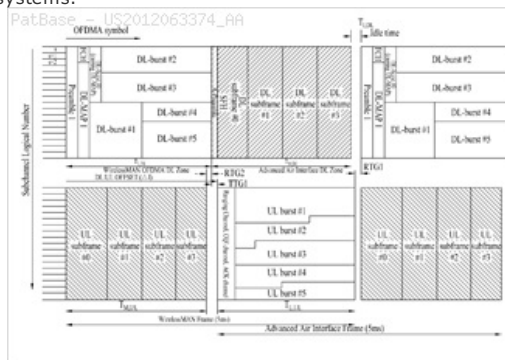
H04L5/00 (Advanced/Non-invention)

CPC: H04L5/1469 H04L5/0044 H04L27/2602 H04B7/2656

H04W74/004 H04W74/006 H04W76/10

European: H04L27/26M1 H04L5/14T T04L5/00C4

US: 370/281 370/281P 370/329 370/329S 370/330 370/437 370/504 370/509



Family:

Publication number	Publication date	Application number	Application date
KR20100115719 A	20101028	KR20100036445	20100420
US2012063374 AA	20120315	US20100265519	20100420
US9042410 BB	20150526	US20100265519	20100420
WO10123260 A2	20101028	WO2010KR02473	20100420
WO10123260 A3	20110127	WO2010KR02473	20100420

Priority:

KR20100036445 20090617 KR20100036445 20100420 US20090171072P 20090420
US20090172233P 20090424 US20090218040P 20090617 US20100265519 20100420
WO2010KR02473 20100420

Probable Assignee: LG ELECTRONICS INC

Assignee(s): (std): CHO HAN GYU ; KWAK JIN SAM ; KWON YEONG HYEON ; LG ELECTRONICS INC ; LIM DONG GUK ; MOON SUNG HO ; MOON SEONG HO

Inventor(s): (std): CHO HAN GYU ; KWAK JIN SAM ; KWON YEONG HYEON ; LIM DONG GUK ; MOON SUNG HO

Agent(s): LEE HONG DEGERMAN KANG AND WAIMEY; KIM YONG IN 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 KZ LA LC LR 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: 54271563 (US2013176902A)

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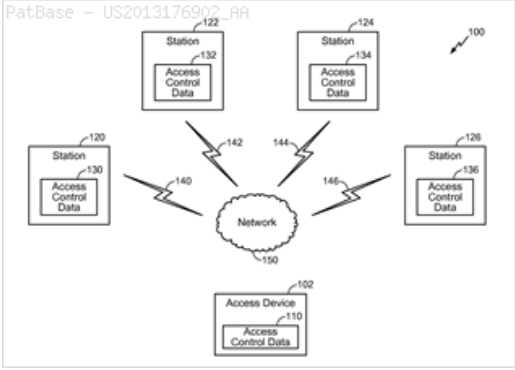
Title: SYSTEM AND METHOD OF COMMUNICATION USING DISTRIBUTED CHANNEL ACCESS PARAMETERS

Abstract: Source: US2013176902A [EN] A device includes a processor and a memory accessible by the processor. The memory includes access category data specifying one or more access categories. The one or more access categories include a sensor access category specifying distributed channel access parameters to be used by one or more station devices to wirelessly communicate sensor data via a network. The memory further includes instructions executable by the processor to

send at least a portion of the access category data to a station device to enable the station device to communicate sensor data.

Classifications:

International (IPC 8-9): H04L12/24 H04L12/701 H04L12/751
H04L12/801 H04W28/18 H04W4/04 H04W48/10 H04W52/02
H04W72/10 H04W74/00 H04W74/08 H04W84/12
H04W84/18 (Advanced/Invention);
H04W84/18 (Advanced/Non-invention)
CPC: H04W28/18 H04W52/0216 H04W52/0229 H04W74/00
H04W52/0219 H04W74/0833 H04W74/002 H04W74/0808
H04W74/0816 H04W74/08 H04W84/18 Y02D70/142 Y02D70/23
Y02D70/00
US: 1/1 370/255 370/329 370/329



Family:

Publication number	Publication date	Application number	Application date
BR112014026069 A2	20170711	BR20141126069	20130418
CN104170511 A	20141126	CN201380004923	20130109
CN104247548 A	20141224	CN201380020351	20130418
EP2803238 A1	20141119	EP20130701169	20130109
EP2839709 A1	20150225	EP20130721832	20130418
IN05047CN2014 A	20160212	IN2014CN05047	20140702
IN07580CN2014 A	20160701	IN2014CN07580	20141014
JP2015506635 T2	20150302	JP20140551420T	20130109
JP2015515224 T2	20150521	JP20150507183T	20130418
JP2016184972 A2	20161020	JP20160135777	20160708
JP6037413 B2	20161207	JP20150507183T	20130418
JP6133327 B2	20170524	JP20140551420T	20130109
JP6178468 B2	20170809	JP20160135777	20160708
KR101674631 B1	20161109	KR20147032205	20130418
KR20140116909 A	20141006	KR20147021907	20130109
KR20150011355 A	20150130	KR20147032205	20130418
US2013176902 AA	20130711	US20120672545	20121108
US2013279426 AA	20131024	US20130756431	20130131
US2013279427 AA	20131024	US20130756457	20130131
US9185726 BB	20151110	US20130756457	20130131
US9191970 BB	20151117	US20120672545	20121108
WO13106445 A1	20130718	WO2013US20853	20130109
WO13158899 A1	20131024	WO2013US37200	20130418

Priority:

JP20150507183T	20130418	JP20160135777	20160708	US20120584698P	20120109
US20120585810P	20120112	US20120636382P	20120420	US20120661326P	20120618
US20120670575P	20120711	US20120672545	20121108	US20130756431	20130131
US20130756457	20130131	WO2013US20853	20130109	WO2013US37200	20130418

Probable Assignee: QUALCOMM INC

Assignee(s): (std): QUALCOMM INC

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Agent(s): WEGNER HANS; S HOSSAIN; ERIC; BELADI SAYED H

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

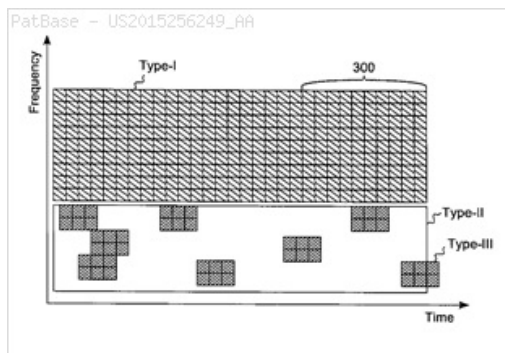
6) Family number: 56386505 (US2015256249A) © PatBase

Title: APPARATUSES, METHODS, AND COMPUTER PROGRAMS FOR A RECEIVER AND A TRANSMITTER OF A WIRELESS SYSTEM

Abstract: Source: US2015256249A [EN] Embodiments provide apparatuses, methods, and computer programs for a receiver and a transmitter of a wireless system. An apparatus (10) for a receiver (100) of a wireless communication system comprises means for receiving (12) radio signals, which are organized in repetitive radio frames, a radio frame being subdivided in sub-frames. The apparatus (10) further comprises means for extracting (14) a first payload data packet from the received radio signals using a single sub-frame of the received radio signals and for extracting a second payload data packet using two or more sub-frames of two or more radio frames. An apparatus (20) for a transmitter (200) comprises means for obtaining (22) information on a subset of radio resources for scheduled and/or non-scheduled transmission. The apparatus (20) further comprises means for transmitting (24) radio signals, which are organized in repetitive radio frames, a radio frame being subdivided in sub-frames, the means for transmitting (24) is operable to transmit a first payload data packet using a single sub-frame of the radio signal and for transmitting a second payload data packet using two or more sub-frames.

Classifications:

International (IPC 8-9): H04B1/02 H04B1/06 H04B7/26 H04L5/00
H04W72/04 (Advanced/Invention);
H04W84/04 (Advanced/Non-invention)
CPC: H04B7/2621 H04W72/0446 H04W84/042 H04L5/0007
H04L5/0023 H04L5/0035
US: 370/329



Family:

Publication number	Publication date	Application number	Application date
BR112015009909 A2	20170711	BR20151109909	20131018
CN104782073 A	20150715	CN201380057668	20131018
EP2728786 A1	20140507	EP20120306366	20121105
IN02512CN2015 A	20160701	IN2015CN02512	20150501
JP2016500990 T2	20160114	JP20150540090T	20131018
KR20150065807 A	20150615	KR20157011329	20131018
TW201431300 A	20140801	TW20130138074	20131022
TWI517597 B	20160111	TW20130138074	20131022
US2015256249 AA	20150910	US20130440471	20131018
US9698898 BB	20170704	US20130440471	20131018
WO14067799 A1	20140508	WO2013EP71826	20131018

Priority:

EP20120306366 20121105 WO2013EP71826 20131018

Probable Assignee: ALCATEL LUCENT

Assignee(s): (std): ALCATEL LUCENT ; ALCATEL LUCENT INC

Assignee(s): WSOU INVESTMENTS LLC

Inventor(s): (std): ANDRE FONSECA DOS SANTOS ; DOETSCH UWE ; FONSECA DOS SANTOS ANDRE ; FRANK SCHAICH ; SCHAICH FRANK ; THORSTEN WILD ; UWE DOETSCH ; WILD THORSTEN

Agent(s): 2SPL PATENTANWALTE; YOSHIZAWA HIROSHI; OKABE YOH; OKABE YUZURU; MIMURA HARUHIKO; KUBOTA TOMOKI; FAY SHARPE LLP; KLEINBUB OLIVER

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: 65693539 (US2017142712A)

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Title: METHOD AND APPARATUS FOR TRANSMITTING AND RECEIVING USING SHORT TTI

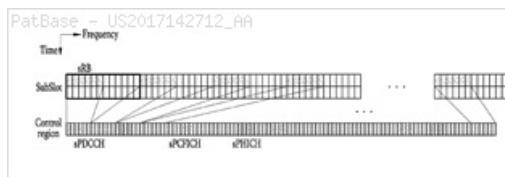
Abstract: Source: US2017142712A [EN] Disclosed are a method and an apparatus for receiving data by decoding a control channel received in unit of a short transmission time interval (sTTI); and receiving, if a first control channel matched with the terminal is determined based on the decoding result, data in a short resource block set (sRBS) including the first control channel.

Classifications:

International (IPC 8-9): H04L5/00 H04W72/04 (Advanced/Invention)

CPC: H04W72/0446 H04W72/042 H04W72/0413 H04W72/0453

H04L5/0053 H04L5/0092 H04L5/0007 H04L5/0044 H04L5/0094



Family:

Publication number	Publication date	Application number	Application date
KR20170055911 A	20170522	KR20160147707	20161107
US2017142712 AA	20170518	US20160349524	20161111

Priority:

KR20150159228 20151112 KR20160147707 20161107

Probable Assignee: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Assignee(s): (std): ELECTRONICS AND TELECOMMUNICATIONS RES INST ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST KOREA

Assignee(s): ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Inventor(s): (std): CHANG SUNG CHEOL ; LEE AN SEOK ; LEE ANSEOK ; NOH TAE GYUN ; NOH TAEGYUN

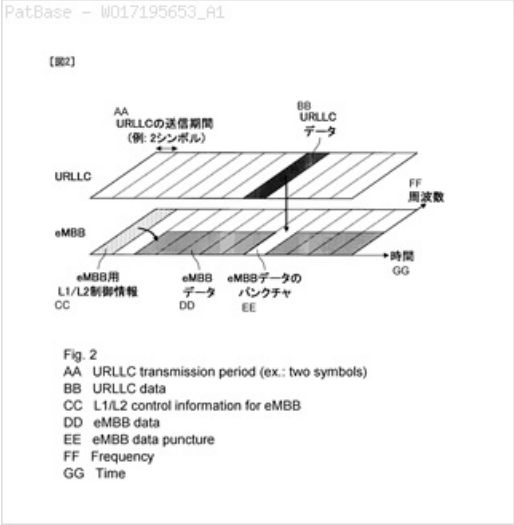
8) Family number: 67496235 (WO17195653A1)

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Title: WIRELESS COMMUNICATION DEVICE AND WIRELESS COMMUNICATION METHOD

Abstract: A wireless communication device that functions as a transmitter in a wireless communication system that includes a transmitter and a receiver. The wireless communication device has: a first data generation unit that generates first data that is transmitted by means of a first transmission scheme; a second data generation unit that generates second data that is transmitted by means of a second transmission scheme; and a transmission unit that, when the second data is generated during transmission of the first data, punctures a resource that has been allocated for the transmission of the first data at a portion in which a prescribed signal is transmitted, transmits the first data in the unpunctured portion, and transmits the second data in the punctured portion.

Classifications:
International (IPC 8-9): H04L29/06 H04W72/10
H04W72/12 (Advanced/Invention)
CPC: H04L29/06 H04W72/10 H04W72/12



Family:

Publication number	Publication date	Application number	Application date
WO17195653 A1	20171116	WO2017JP16911	20170428

Priority:

JP20160094941 20160510

Probable Assignee: NTT DOCOMO INC

Assignee(s): (std): NTT DOCOMO INC

Inventor(s): (std): NAGATA SATOSHI ; SANO YOUSUKE ; TAKEDA KAZUAKI ; TAKEDA KAZUKI

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

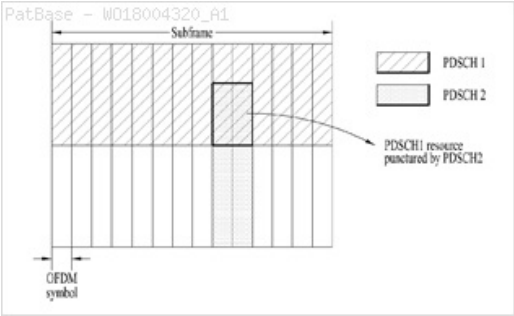
9) Family number: 68083524 (WO18004320A1)

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Title: DATA RECEPTION METHOD AND DEVICE, AND DATA TRANSMISSION METHOD AND DEVICE

Abstract: A transmission device may transmit a plurality of code blocks corresponding to data. The transmission device may provide, to a reception device, puncturing information indicating whether the plurality of code blocks include a punctured code block. The reception device may reconstruct data from the received code blocks on the basis of the puncturing information.

Classifications:
International (IPC 8-9): H04L1/00 (Advanced/Invention)
CPC: H04L1/00



Family:

Publication number	Publication date	Application number	Application date
WO18004320 A1	20180104	WO2017KR07041	20170703

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US20160373986P 20160812

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Probable Assignee: LG ELECTRONICS INC

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

Inventor(s): (std): KIM KIJUN ; YI YUNJUNG ; YOU HYANGSUN

Agent(s): KIM YONG IN ET AL

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