

6 Documents

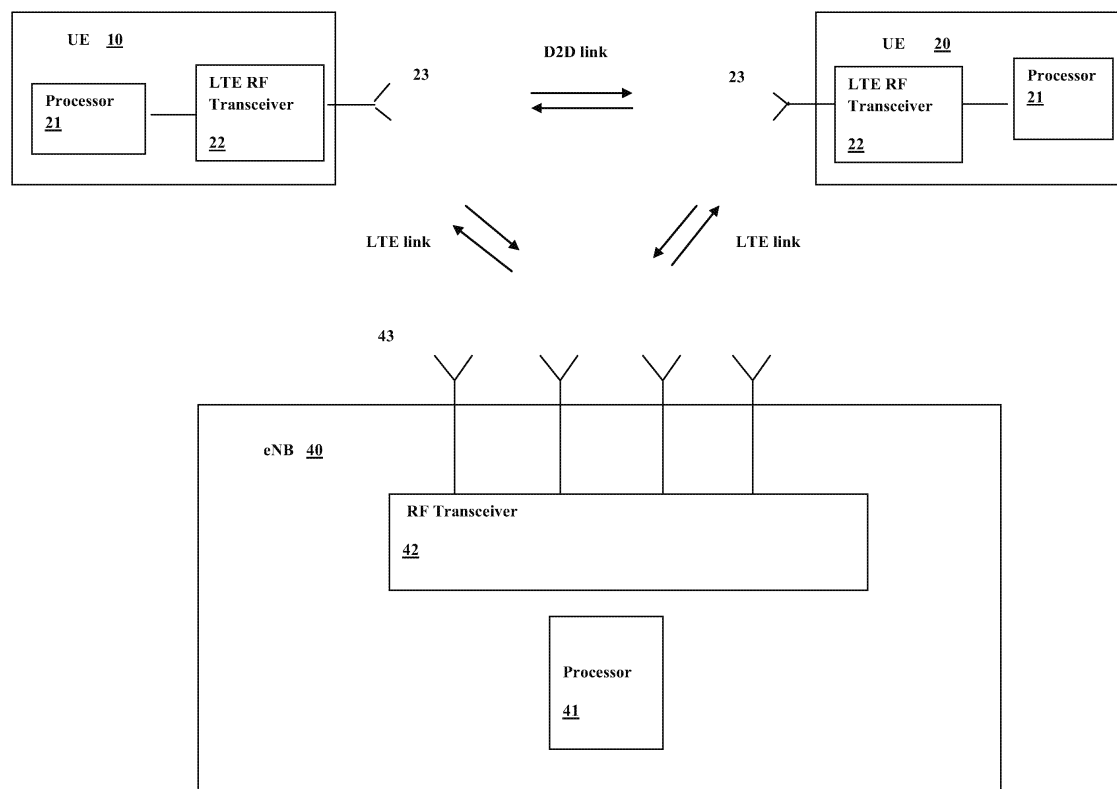
Publication numbers	Title	Current assignees
EP2837107 A1	Apparatus for improved mobility in a wireless heterogeneous network	INTEL
EP2807887 A1	Regional and narrow band common reference signal (crs) for user equipment (ue) relays	QUALCOMM
EP2853127 A2	Narrow band partitioning and efficient resource allocation for low cost user equipments	QUALCOMM
WO2013141603 A1	Apparatus and method for configuring control channels for narrowband user equipment	PANTECH
WO2014154093 A1	A synchronization method and apparatus for a wireless wide band system in an interference environment	IBM
WO2013129884 A1	Method and apparatus for transmitting downlink data	LG ELECTRONICS

Family 1/6 - FAMPAT - ©Questel

Title

(EP2837246)

Apparatus for improved mobility in a wireless heterogeneous network

Images**Publication data including kind & date**

BR122016024992	A2	2019-08-27	BR122016024992
BR112014024082	A8	2019-05-21	BR112014024082
BR112014025288	A8	2019-05-21	BR112014025288
US10231264	B2	2019-03-12	US10231264
HUE040204	T2	2019-02-28	HUE040204
EP2837110	B1	2019-02-27	EP2837110
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BR112014024481	A8	2018-12-04	BR112014024481
JP6424396	B2	2018-11-21	JP6424396
CN108667591	A	2018-10-16	CN108667591
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ES2683975	T3	2018-10-01	ES2683975
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CN104272850	B	2018-09-07	CN104272850B



MY167276	A	2018-08-15	MY-167276				
EP2837119	B1	2018-06-27	EP2837119				
EP2837228	B1	2018-06-20	EP2837228				
US20180167974	A1	2018-06-14	US20180167974				
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WO2013/155167	A1	2013-10-17	WO2013155167				
WO2013/155182	A1	2013-10-17	WO2013155182				
WO2013/155253	A1	2013-10-17	WO2013155253				
WO2013/155265	A1	2013-10-17	WO2013155265				
WO2013/155373	A1	2013-10-17	WO2013155373				
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WO2013/155411	A1	2013-10-17	WO2013155411				
WO2013/155443	A1	2013-10-17	WO2013155443				
WO2013/155459	A1	2013-10-17	WO2013155459				
WO2013/155473	A1	2013-10-17	WO2013155473				
US20130272132	A1	2013-10-17	US20130272132				
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Abstract

(EP2837246)

Generally, this disclosure provides apparatus and methods for improved User Equipment (UE) mobility in wireless heterogeneous networks. The UE device may include a location determination module configured to determine location information associated with the UE relative to one or more of a cells, wherein the of cells form part of a wireless heterogeneous network; a processing circuit configured to generate an assistance message, the assistance message including the location information associated with the UE; and a transmitter circuit configured to transmit a Radio Resource Control (RRC) message to an evolved Node B (eNB) associated with one of the cells, the RRC message including the assistance message.

Inventors

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Latest standardized assignees - inventors removed

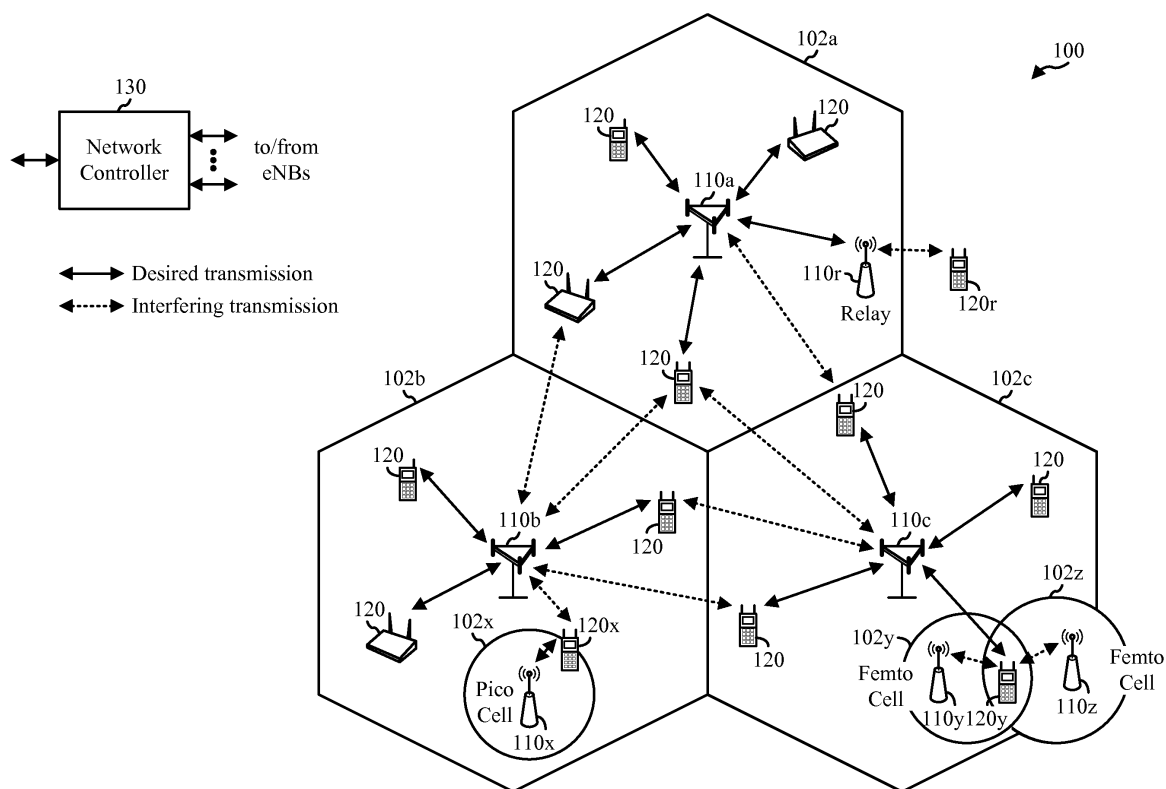
INTEL

Family 2/6 - FAMPAT - ©Questel

Title

(EP2807887)

Regional and narrow band common reference signal (crs) for user equipment (ue) relays

Images**Publication data including kind & date**

EP2807887	B1	2019-07-10	EP2807887
CN104081852	B	2019-02-05	CN104081852B
JP6272782	B2	2018-01-31	JP6272782
IN1620MUN2014	A	2015-05-15	IN2014MN01620
JP2015510723	A	2015-04-09	JP2015510723
EP2807887	A1	2014-12-03	EP2807887
KR20140128340	A	2014-11-05	KR20140128340
CN104081852	A	2014-10-01	CN104081852
WO2013/112960	A1	2013-08-01	WO2013112960
US20130195043	A1	2013-08-01	US20130195043

**Abstract**

(EP2807887)

Certain aspects of the present disclosure relate to techniques for assigning resources for common reference signal (CRS) transmissions from user equipment (UE) relays. Aspects of the present disclosure provide techniques to use minimum possible resources for transmission of CRS in an attempt to reduce interference, reduce power consumption while providing appropriate reference for channel measurement and demodulation. In an aspect, a wireless node (e.g., a UE

relay station) may determine resources for transmission of CRS in a subframe based, at least in part, on a type of one or more channels to be transmitted in the subframe, and may transmit the CRS using the determined resources.

Inventors

CHEN WANSHI

DAMNJANOVIC ALEKSANDAR

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Latest standardized assignees - inventors removed

QUALCOMM

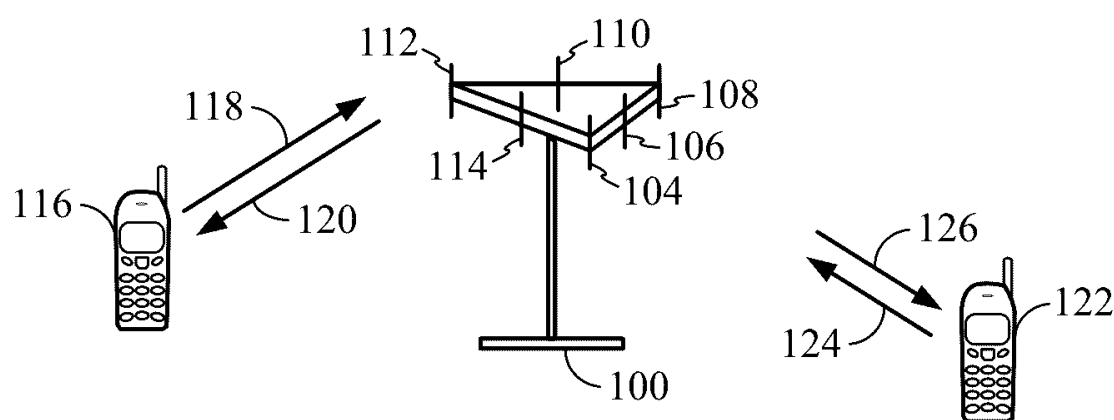
Family 3/6 - FAMPAT - ©Questel

Title

(EP2853127)

Narrow band partitioning and efficient resource allocation for low cost user equipments

Images



Publication data including kind & date

US9622230	B2	2017-04-11	US9622230
IN8559/CHENP/2014	A	2016-07-01	IN2014CN08559
EP2853127	A2	2015-04-01	EP2853127
CN104380820	A	2015-02-25	CN104380820
KR20150013722	A	2015-02-05	KR20150013722
WO2013/173673	A3	2014-05-08	WO2013173673
US20130322363	A1	2013-12-05	US20130322363
WO2013/173673	A2	2013-11-21	WO2013173673



Abstract

(EP2853127)

Aspects of the present disclosure relate to techniques that may be utilized to perform communications using narrow bands partitioned from available bandwidth. In some cases, a base station may select at least one narrow band, from a number of narrow bands partitioned from an available system bandwidth, for communications with a user equipment (UE), signal information regarding the selected narrow band to the UE, and communicate with the UE using the selected narrow band. The UE may receive the information regarding the selected at least one narrow band, and communicate with at least one base station using the at least one narrow band.

Inventors

CHEN WANSHI

XU HAO

GAAL PETER

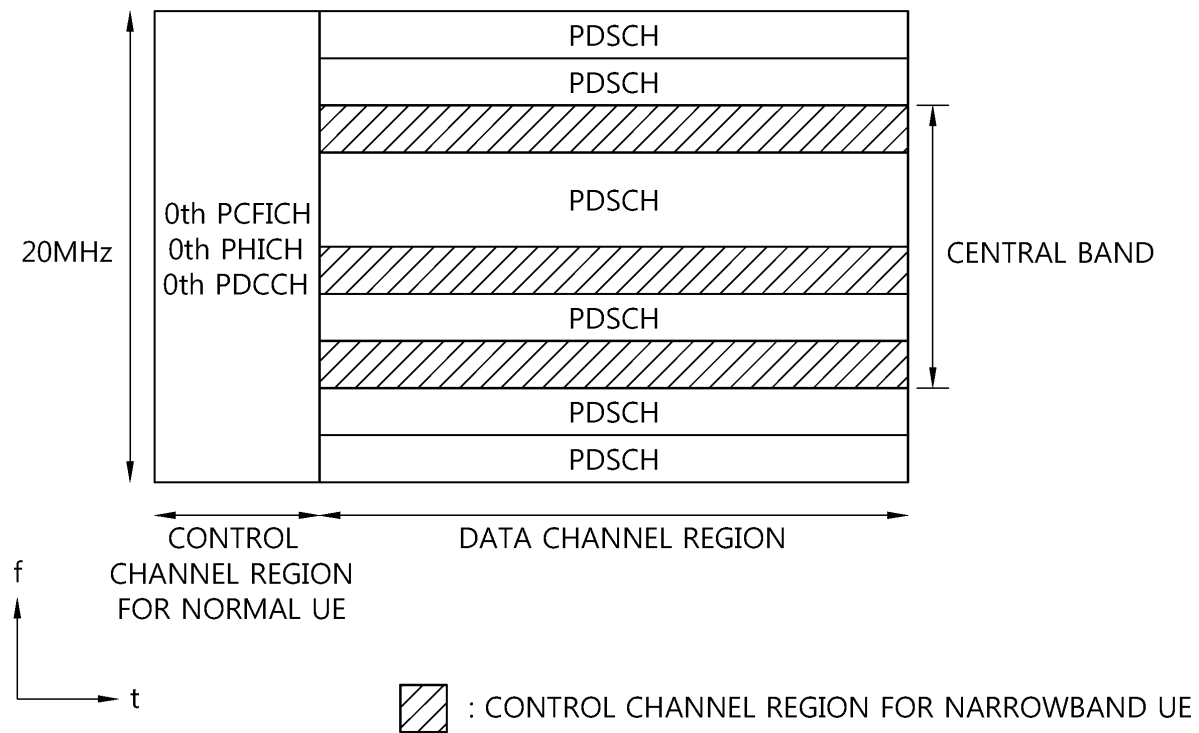
Latest standardized assignees - inventors removed

QUALCOMM

Family 4/6 - FAMPAT - ©Questel

Title

(WO2013141603)

Apparatus and method for configuring control channels for **narrowband** user equipment**Images****Publication data including kind & date**

KR20130107855	A	2013-10-02	KR20130107855
WO2013/141603	A1	2013-09-26	WO2013141603

**Abstract**

(WO2013/141603)

The present invention relates to configure control channels for **narrowband** user equipment. A base station for sending a control channel in a wireless communication system includes a control information generation unit configured to generate a first CFI to be mapped to a first PCFICH and a second CFI to be mapped to a second PCFICH, a channel mapper configured to map the first CFI to the first PCFICH and map the second CFI to the second PCFICH, a transmission unit configured to map the first PCFICH and the second PCFICH to one or more predefined PRBs on one or more predefined OFDM symbols in a central band on a system operating frequency and transmit the one or more PRBs to user equipment, wherein the first CFI indicates first 4 or smaller OFDM symbols within a subframe and the second CFI indicate indices of the one or more predefined PRBs.

Inventors

LI JIANJUN

PARK KYOUNG MIN

Latest standardized assignees - inventors removed

PANTECH

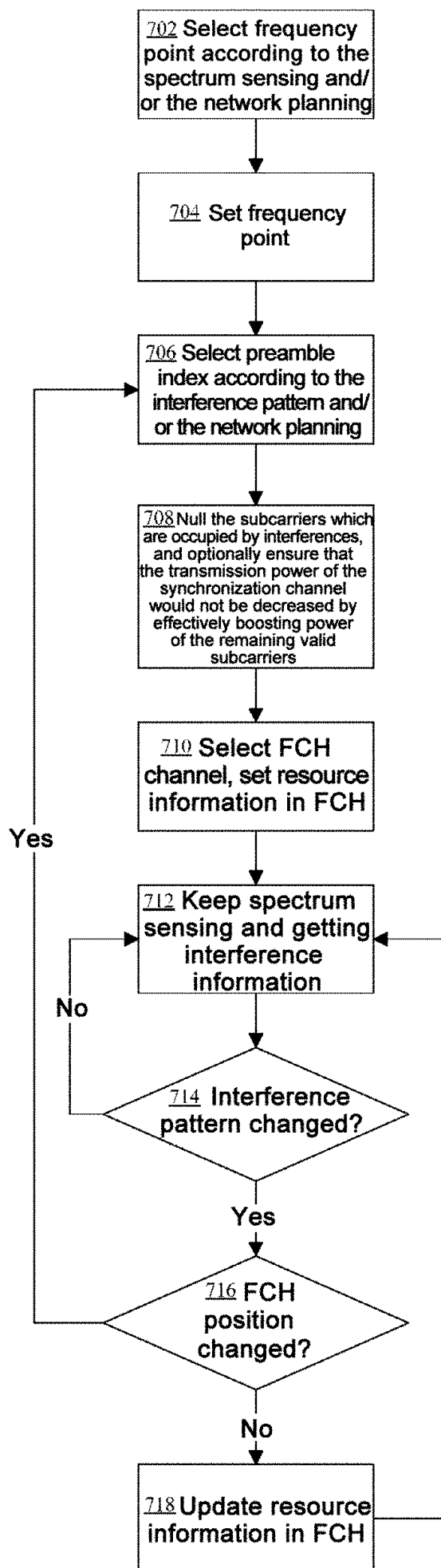
Family 5/6 - FAMPAT - ©Questel

Title

(WO2014154093)

A synchronization method and apparatus for a wireless wide band system in an interference environment

Images



Publication data including kind & date

US9999059	B2	2018-06-12	US9999059
CN104080160	B	2018-04-10	CN104080160B
US20160050677	A1	2016-02-18	US20160050677
DE112014001649	T5	2015-12-17	DE112014001649
WO2014/154093	A1	2014-10-02	WO2014154093
CN104080160	A	2014-10-01	CN104080160



Abstract

(WO2014/154093)

The present invention discloses a synchronization method and apparatus for a wireless wide band system in an interference environment. The disclosed method comprises: obtaining interference information of a network; and selecting at least one channel based at least in part on the interference information to transmit resource information through the at least one channel, wherein the resource information indicates a resource allocation determined based at least in part on the interference information, and wherein a position of the at least one channel is indicated by a synchronization sequence.

Inventors

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WANG QING

Latest standardized assignees - inventors removed

IBM

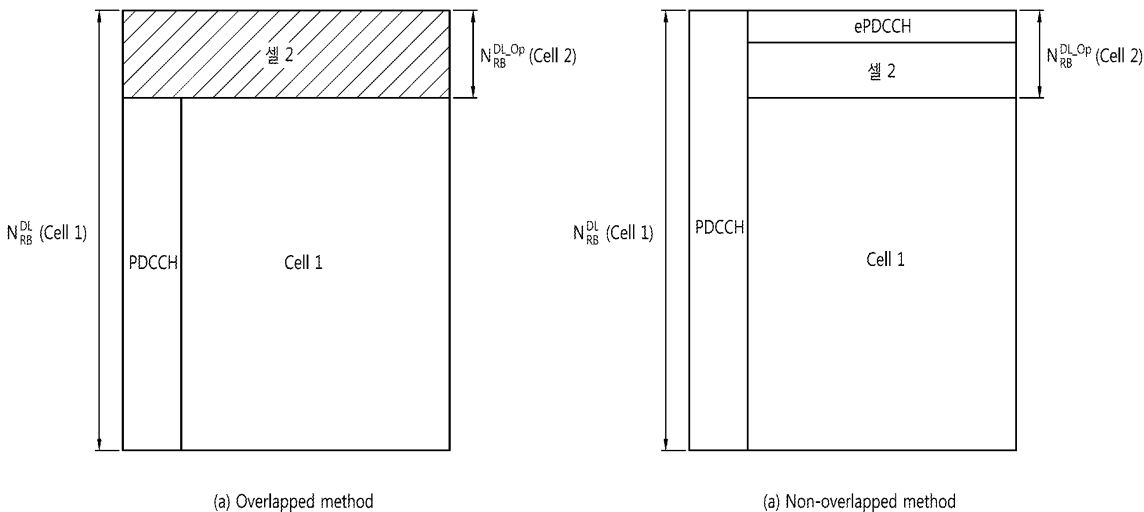
Family 6/6 - FAMPAT - ©Questel

Title

(WO2013129884)

Method and apparatus for transmitting downlink data

Images



Publication data including kind & date

US9407403	B2	2016-08-02	US9407403
US20150333880	A1	2015-11-19	US20150333880
WO2013/129884	A1	2013-09-06	WO2013129884



Abstract

(WO2013/129884)

A method for transmitting downlink data in a wireless communication system is provided. A base station generates a downlink sub-frame comprising: a first control channel for a first cell having a first frequency band; and a second control channel for a second cell having a second frequency band including a part of the first frequency band. The base station transmits the downlink data through the downlink sub-frame.

Inventors

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SEO DONG YOUN

Latest standardized assignees - inventors removed

LG ELECTRONICS