

1) Family number: 57439457 (US2014286256A)

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Title: SYSTEMS AND METHODS FOR SCHEDULING OF DATA PACKETS BASED ON DELAY TOLERANCE OF APPLICATIONS

Abstract: A base station, system, method, and computer program product are disclosed for transmitting data packets received by the base station. According to one aspect, the base station includes a first buffer configured to store data packets received by the base station, a second buffer configured to store data packets that are scheduled for transmission by the base station, and a computer processor, operatively coupled to the first buffer and the second buffer. The computer processor is configured to inspect a data packet to determine an application type of the data packet, determine a delay tolerance associated with the data packet based on the determined application type, determine a channel condition of a communication session with the user device, move the data packet from the first buffer to the second buffer based on the determined delay tolerance and the determined channel condition, and transmit data packets stored in the second buffer.

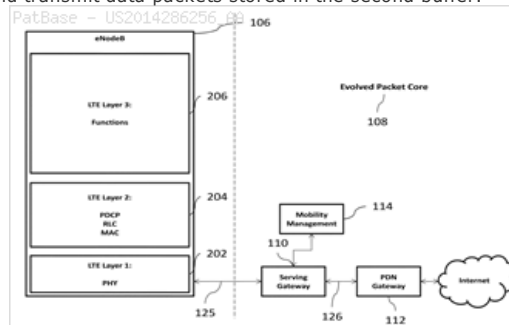
Classifications:

International (IPC 8-9): H04L12/725 H04L12/801 H04L12/853

H04L12/875 H04L5/00 (Advanced/Invention)

CPC: H04L45/30 H04L5/0058 H04L47/14 H04L47/2416 H04L47/56

US: 370/328 370/329



Family:

Publication number	Publication date	Application number	Application date
DE602014015080 D1	20171116	DE201460015080T	20140325
EP2979408 A2	20160203	EP20140724883	20140325
EP2979408 B1	20170927	EP20140724883	20140325
ES2656343 T3	20180226	ES20140724883T	20140325
US2014286256 AA	20140925	US20140224731	20140325
US9774525 BB	20170926	US20140224731	20140325
WO14160709 A2	20141002	WO2014US31725	20140325
WO14160709 A3	20141120	WO2014US31725	20140325

Priority:

US20130804886P 20130325
WO2014US31725 20140325

EP20140724883 20140325

US20140224731 20140325

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Assignee(s): ALTIOSTAR NETWORKS INC TEWKSBURY

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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

2) Family number: 44984927 (US2010118837A)

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Title: USING SYNCHRONIZATION FRAMES FOR MESH NETWORKING WITH PICONETS

Abstract: Certain aspects provide a technique for managing transmissions in a wireless network. The technique generally provides for an access terminal to transmit synchronization packets containing timing information regarding an existing piconet. The synchronization packets may contain an indication of resources of the piconet allocated to the access terminal by an access point.

Classifications:

International (IPC 8-9): H04B15/00 H04J3/00 H04W28/00
H04W28/20 H04W4/00 H04W4/08 H04W56/00 H04W64/00
H04W72/04 H04W72/08 H04W72/12 H04W84/10 H04W84/18
H04W84/20 (Advanced/Invention);

H04B15/00 H04W24/00 H04W56/00 H04W72/08

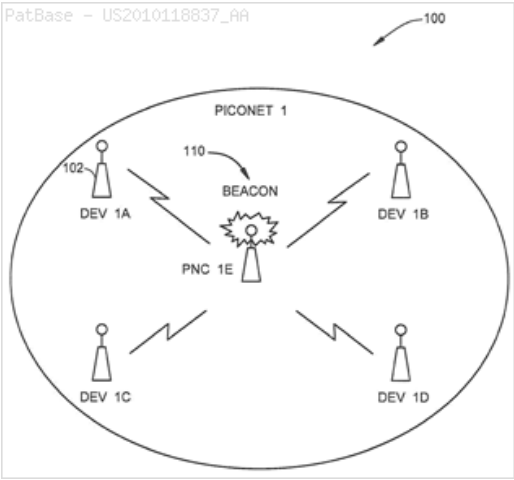
H04W84/20 (Advanced/Non-invention);

H04J3/00 H04W56/00 H04W84/18 (Core/Invention);

H04W56/00 H04W84/18 H04W84/20 (Core/Non-invention)

CPC: H04W24/00 H04W72/082 H04W72/1215 H04W84/18
H04W56/00

European: H04W56/00 H04W72/12B3 H04W84/18 T04W24/00
T04W28/04 T04W72/08B T04W84/18



Family:

Publication number	Publication date	Application number	Application date
CN102257862 A	20111123	CN200980150919	20091111
CN102257862 B	20140702	CN200980150919	20091111
DE602009010669 D1	20121220	DE200960010669T	20091111
DE602009023387 D1	20140528	DE200960023387T	20091111
EP2356864 A2	20110817	EP20090752976	20091111
EP2356864 B1	20121024	EP20090752976	20091111
EP2464179 A2	20120613	EP20120001578	20091111
EP2464179 A3	20130102	EP20120001578	20091111
EP2464179 B1	20140416	EP20120001578	20091111
IN02687CN2011 A	20120309	IN2011CN02687	20110421
JP2012508541 T2	20120405	JP20110536442T	20091111
JP5362841 B2	20131211	JP20110536442T	20091111
KR101266313 B1	20130522	KR20117013505	20091111
KR20110084322 A	20110721	KR20117013505	20091111
TW201032642 A	20100901	TW20090138293	20091111
US2010118837 AA	20100513	US20090573559	20091005
US2013051381 AA	20130228	US20120662817	20121029
US9398550 BB	20160719	US20120662817	20121029
WO10056760 A2	20100520	WO2009US64050	20091111
WO10056760 A3	20101021	WO2009US64050	20091111

Priority:

US20080113436P 20081111 US20090573559 20091005 EP20090752976 20091111
EP20120001578 20091111 WO2009US64050 20091111 US20120662817 20121029

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QUALCOMM INC; STEVEN R; VO DANG M

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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

3) Family number: 57222929 (US2014233413A)

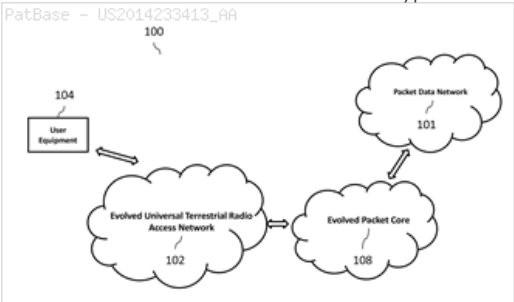
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Title: SYSTEMS AND METHODS FOR COORDINATING TRANSMISSION OF DATA PACKETS BASED ON FRAME TYPE
DETECTION IN A BASE STATION

Abstract: A system, method, base station, and computer program product for coordinating communication of data packets between a user device and an application server is described. The data packets may correspond to a bit-stream of encoded video data. In one aspect, the base station includes a memory and a computer processor operatively coupled to the memory, to a radio transmitter, and to a radio receiver. The processor is configured to detect a video frame type of the data packets and transmit one or more of the plurality of data packets based on the detected video frame type. For example, the processor may transrate, drop, or schedule the data packet for transmission based on the detected video frame type.

Classifications:

International (IPC 8-9): G06F15/173 H04H20/28 H04L H04L12/26
H04L12/28 H04L12/851 H04L12/859 H04L12/927 H04N H04N19/132
H04N19/159 H04N19/164 H04N19/172 H04N21/238 H04N21/4363
H04N21/61 H04N21/63 H04N21/647 H04W H04W28/02 H04W28/06
H04W4/00 H04W72/04 H04W72/08 H04W72/10 H04W72/12
H04W76/04 H04W88/08 (Advanced/Invention);
H04N21/4363 H04W28/06 H04W72/12 (Advanced/Non-invention);
H04L H04N H04W (Subclass/Invention)
CPC: H04L43/028 H04W72/08 H04L47/2475 H04L47/80
H04N21/64738 H04N21/64792 H04W28/06 H04W72/1242
H04W72/1257 H04L65/80 H04N21/43637 H04N21/6131 H04N21/631
H04N21/64784 H04W72/12 H04W76/27 H04W72/044 H04W88/08
US: 1/1 370/252 370/328 370/329



Family:

Publication number	Publication date	Application number	Application date
BR112015020260 A2	20170718	BR20151120260	20140220
CA2902136 AA	20150821	CA20142902136	20140220
CA2902136 C	20190402	CA20142902136	20140220
CN105122830 A	20151202	CN201480022303	20140220
DE602014017533 D1	20171228	DE201460017533T	20140220
EP2959692 A1	20151230	EP20140710424	20140220
EP2959693 A1	20151230	EP20140710426	20140220
EP2959693 B1	20171122	EP20140710426	20140220
HK1218031 A1	20170127	HK20160105866	20160523
HK1219595 A1	20170407	HK20160107389	20160624
HK1219595 B	20180907	HK20160107389	20160624
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JP2016513424 T2	20160512	JP20150558968T	20140220
JP6335198 B2	20180530	JP20150558966T	20140220
JP6539588 B2	20190703	JP20150558968T	20140220
MX2015010889 A1	20160315	MX20150010889	20140220
MX351978 B	20171106	MX20150010889	20140220
US2014233413 AA	20140821	US20140185766	20140220
US2014233459 AA	20140821	US20140185758	20140220
US2014233479 AA	20140821	US20140185755	20140220
US9295065 BB	20160322	US20140185766	20140220
US9480101 BB	20161025	US20140185755	20140220
US9497793 BB	20161115	US20140185758	20140220
WO14130708 A1	20140828	WO2014US17456	20140220
WO14130709 A1	20140828	WO2014US17459	20140220
WO14130713 A1	20140828	WO2014US17464	20140220
ZA201506371 A	20170927	ZA20150006371	20150831

Priority:

US20130767410P 20130221	US20130767422P 20130221	US20130804983P 20130325
US20130804938P 20130325	EP20140710426 20140220	US20140185755 20140220
US20140185766 20140220	US20140185758 20140220	WO2014US17456 20140220
WO2014US17464 20140220		

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Inventor(s): DAHOD ASHRAF M ANDOVER ; CHOWDHURY KUNTAL ANDOVER ; DAHOD ASHRAF

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