

Nicolas Vargas

Search history

Search 1: TAC=("plug and play" and weight* and priori* and web) and IC=(H04W72/04 or H04W28/20) (Results 0)
Search 2: FT=("plug and play" and weight* and priori* and web) and IC=(H04W72/04 or H04W28/20) (Results 27)
Search 3: 2 and weight* (Results 16)

1) Family number: 15394421 (US2004039504A)

© PatBase

Title: VEHICLE TRACKING, COMMUNICATION AND FLEET MANAGEMENT SYSTEM

Abstract: Source: US2004039504A A vehicle fleet management information system for identification of location and direction of movement of each vehicle in the fleet in real-time and automatic communication directly with management offices to report its location and heading, and status of predetermined events in which the vehicle may be engaged. Each fleet vehicle is assigned a unique time slot to transmit its reporting information over a communications network without substantially interfering with transmissions from other vehicles in their own respective time slots. Precise time synchronization is provided by a timing control PLL which provides timing corrections as necessary from GPS based time reference. The network includes a dual band full-duplex interface with TDMA on one-half of the interface and broadcast on the other half. Additionally, time processing units of microprocessors in components throughout the network perform precise clock synchronization. A protocol is established for entry by vehicle transmitters into the network in the assigned time slots for periodic transmission of messages, and space diversity is performed on messages received from the vehicle transmitters to avoid data corruption. Different periodic transmission intervals are provided for different vehicles in the network by dynamically allocating the slots for various update rates. And auxiliary reporting slots are provided to allow prompt reporting of important data by the respective vehicle transmitters independent of slower periodic transmission intervals. Baseband filtering of data reduces the occupied bandwidth of the transmission channel, and includes removal of synchronization data to minimize overhead of non-information bearing data. Certain repeated events in which the vehicle is operated according to basic usage and specific usage for its industry are sensed, detected or measured and automatically reported to management offices.

Classifications:

International (IPC 8-9): B28C5/42 B60P3/03 B60P3/16 G01B11/03 G01B11/14 G01B11/24 G01C1/00 G01C11/06 G01C15/00 G01C15/06 G01C21/00 G01C21/26 G01C9/00 G01C9/06 G01M17/00 G01P3/487 G01S1/00 G01S1/72 G01S13/00 G01S19/40 G01S19/42 G01S19/45 G01S19/48 G01S19/49 G01S19/51 G01S19/53 G01S5/14 G06F15/00 G06K9/00 G06K9/32 G06K9/46 G06K9/62 G06T7/00 G06T7/20 G06T7/73 G07C5/00 G07C5/08 G08G1/123 G08G1/127 H04L12/56 H04N13/02 H04N5/225 H04N5/228 H04N5/232 H04N7/18 H04W16/14 H04W28/22 H04W56/00 H04W64/00 H04W72/04 H04W74/04 H04W8/24 H04W84/00 (Advanced/Invention); B60P3/16 G01C21/26 G01C21/30 G07C5/00 G07C5/08 G08G1/123 H04L12/28 H04L12/56 H04N5/225 H04W16/14 H04W28/22 H04W56/00 H04W72/04 H04W74/04 H04W8/24 H04W84/00 (Advanced/Non-invention); G01S19/00 G01S5/14 H04N7/18 (Core/Invention); B60P G01C G01P G07C G08G (Subclass/Invention)

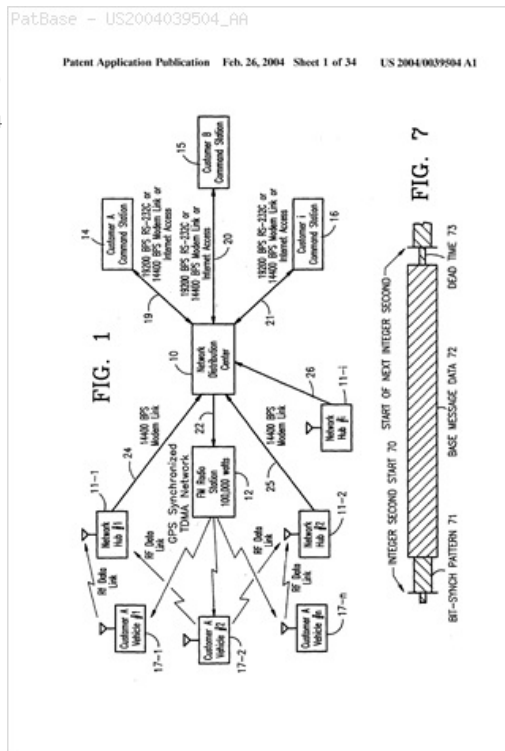
International (IPC 1-7): G01S G06F16/00 G06F17/00 G06F19/00 G08G1/123 H04B7/155 H04B7/26 H04Q7/38
CP: B28C5/422 B28C7/02 B28C7/028 B28C9/00 B60P3/03 G01M17/00 G07C5/008 G08G1/20 H04W8/245 H04W16/14 H04W28/22 H04W56/0085 H04W64/00 H04W72/10 H04W74/04 H04W84/00 G01C21/165 G01B11/14 G06K9/00 G01C9/06 G01S1/725 G01S19/48 G01S19/53 G06T2207/30204 G06T2207/30244 G06T7/0044 G06T2207/10032 G06T2207/20076 G06K9/46 G06T2207/10021 G06T2207/10028 G06T2207/30252 H04N13/0203 G06T7/20 G01C15/00 G01C15/06 G01S19/49 G01S19/51 G06K9/00664 G06T7/74 G06T7/73 G06T7/593 H04N2013/0081

European: B28C5/42A1C B28C7/02 B28C7/02D B28C9/00 B60P3/03 G01C15/00 G01C15/06 G01C21/16A G01M17/00 G01S19/49 G01S19/51 G06K9/00V2 G06T7/00R7S G06T7/20 G07C5/00T G08G1/20 H04W56/00M4B2D S06T207/10021 S06T207/10028 S06T207/30252 T04W12/107 T04W16/14 T04W208/24N T04W216/14 T04W228/22 T04W256/00 T04W272/04 T04W274/04 T04W28/00 T04W28/22 T04W284/00 T04W32/00 T04W36/04 T04W36/12 T04W4/14 T04W50/00 T04W64/00 T04W72/10 T04W74/04 T04W8/08 T04W8/24N T04W84/00

US: 1/1 180/209 280/6.151 280/61.51 340/438 340/439 340/988 340/993 342/357.02 342/357.17 342/357.23 342/357.230S 342/357.28 342/357.280P 342/357.31 342/357.32 342/357.320P 342/357.34 342/357.340S 342/52 345/569 345/629 348/100 348/130 348/135 348/135S 348/137 348/139 348/139P 348/144 348/169 348/207 348/207.1 348/217.1 348/231 348/231.1 348/46 348/584 348/E7.085 348/E70.85S 366/349 366/61 382/100 382/103 382/103P 382/113 382/195 382/195 382/233 382/294 455/12.1 455/518 455/521 455/526 701/200 701/207 701/213 701/217 701/27 701/29 701/29.3 701/29.300P 701/29S 701/300 701/300S 701/31.4 701/31.400P 701/32.3 701/33 701/33P 701/33S 701/35 701/35P 701/408 701/408P 701/482 701/482P 701/484 701/495 701/517 702/150

Family:

Publication number	Publication date	Application number	Application date
AT374987 E	20071015	AT20000993539T	20001218
AT424564 E	20090315	AT20000011705T	20001218
AU200129065 A5	20010703	AU20010029065	20001218



CN101484777 A	20090715	CN200680047098	20061215
CN102577349 A	20120711	CN201080031208	20100706
CN102577349 B	20150923	CN201080031208	20100706
CN103119611 A	20130522	CN201180031443	20110623
CN103119611 B	20160511	CN201180031443	20110623
CN103256920 A	20130821	CN201310051154	20130216
CN103256920 B	20170426	CN201310051154	20130216
DE102013202393 A1	20130822	DE201310202393	20130214
DE112010002843 T5	20121129	DE201011002843T	20100706
DE112011102132 T5	20130523	DE201111102132T	20110623
DE60036650 D1	20071115	DE20006036650	20001218
DE60036650 T2	20080703	DE20006036650T	20001218
DE60041727 D1	20090416	DE20006041727	20001218
EP1410364 A2	20040421	EP20000993539	20001218
EP1410364 A4	20040421	EP20000993539	20001218
EP1410364 B1	20071003	EP20000993539	20001218
EP1843161 A2	20071010	EP20070011705	20001218
EP1843161 A3	20071017	EP20070011705	20001218
EP1843161 B1	20090304	EP20070011705	20001218
ES2322627 T3	20090623	ES20070011705T	20001218
HK1115449 A1	20091106	HK20080103374	20080326
HK1115449 A3	20081128	HK20080103374	20080326
JP2012533222 T2	20121220	JP20120519675T	20100706
JP2013535013 T2	20130909	JP20130516762T	20110623
JP6002126 B2	20161005	JP20130516762T	20110623
US2004039504 AA	20040226	US20030646715	20030825
US2006142913 AA	20060629	US20050125636	20050510
US2009088924 AA	20090402	US20080313650	20081120
US2009115655 AA	20090507	US20080313560	20081120
US2010141759 AA	20100610	US20090590908	20091116
US2011007939 AA	20110113	US20090459843	20090707
US2011102255 AA	20110505	US20110930569	20110111
US2011238303 AA	20110929	US20110134146	20110531
US2012163656 AA	20120628	US20110167733	20110624
US2012195466 AA	20120802	US20100382913	20100706
US2012330601 AA	20121227	US20120397445	20120215
US2013195362 AA	20130801	US20130799266	20130313
US2013195363 AA	20130801	US20130799371	20130313
US2013243250 AA	20130919	US20130829085	20130314
US2014156219 AA	20140605	US20140172549	20140204
US2014267700 AA	20140918	US20140292355	20140530
US2015170368 AA	20150618	US20150605652	20150126
US2016078636 AA	20160317	US20150952572	20151125
US6611755 BA	20030826	US19990466169	19991219
US6892131 BB	20050510	US20030646715	20030825
US7489993 BB	20090210	US20050125636	20050510
US7619561 BB	20091117	US20080313560	20081120
US7940211 BB	20110510	US20090590908	20091116
US7978128 BB	20110712	US20110930569	20110111
US8229166 BB	20120724	US20090459843	20090707
US8416130 BB	20130409	US20110134146	20110531
US8754805 BB	20140617	US20110167733	20110624
US8989502 BB	20150324	US20130799371	20130313
US9042657 BB	20150526	US20130799266	20130313
US9109889 BB	20150818	US20120397445	20120215
US9134127 BB	20150915	US20140172549	20140204
US9224208 BB	20151229	US20100382913	20100706
US9324003 BB	20160426	US20130829085	20130314
US9471986 BB	20161018	US20150605652	20150126
US9683832 BB	20170620	US20140292355	20140530
WO0146710 A2	20010628	WO2000US33272	20001218
WO0146710 A3	20020627	WO2000US33272	20001218
WO0146710 C2	20021205	WO2000US33272	20001218
WO11005783 A2	20110113	WO2010US41096	20100706
WO11005783 A3	20110210	WO2010US41096	20100706
WO11005783 A4	20110331	WO2010US41096	20100706
WO11163454 A1	20111229	WO2011US41590	20110623

Priority:

EP20000993539	20001218	US19990455169	19991206	US20050303676	20051215
US20050125636	20050510	US20030646715	20030825	US19990466169	19991219
US20080313650	20081120	US20080313560	20081120	US20090590908	20091116
US20090559322	20090914	US20090459843	20090707	US20100358423P	20100625
US20100382913	20100706	US20050303676	20051216	WO2000US33272	20001218
US20110930569	20110111	US20110134146	20110531	US20110167733	20110624
WO2010US41096	20100706	US20120397445	20120215	US20130799371	20130313
US20130799266	20130313	US20130829085	20130314	US20120641792P	20120502
US20140172549	20140204	US20140292355	20140530	US20110152996	20110603
US20150605652	20150126	US20150952572	20151125	US20120382913	20120407
WO2011US41590	20110623				

Probable Assignee: TRIMBLE NAVIGATION LTD

Assignee(s): (std): ALLEN ROBERT F ; BEST GREGORY C ; BILLINGS MARK ; COFFEE JOHN R ; GRID DATA INC ; DYE DAVID A ; FLEET MAN SERVICES INC ; FRANCE PETER G ; HOLGREN MARTIN ; FRANCE PETER GLEN ; RUDOW RICHARD W ; MARVIN KEVIN M ; KIRCHNER MARK L ; LEWIS ROBERT W ; SLEEPER ROBERT D

; TEKNIEPE WILLIAM A ; SCHERZINGER BRUNO ; JANKY JAMES M ; SCHERZINGER BRUNO M ; SOUBRA OMAR P ; TENG HONGBO ; SOUBRA OMAR PIERRE ; TRIMBLE INC ; TRIMBLE NAVIGATION LTD ; TEKNIEPE WILLIAM A ; TRIMBLE NAVATION LTD ; WANG SY BOR

Assignee(s):

TRIMBLE ASSOCIATION CORP ; TRIMBLE INFORMATION SERVICES INC ; TRIMBLE NAVIGATION LIMITED ; TRIMBLE NAVATION LIMITED ; TRIMBLE ASSOC ; FLEET MANAGEMENT SERVICES INC

Inventor(s): (std):

COFFEE JOHN ; DYE DAVID ; KIRCHNER MARK ; LEWIS ROBERT ; MARVIN KEVIN ; RUDOW RICHARD ; SCHERZINGER BRUNO ; SLEEPER ROBERT ; TEKNIEPE WILLIAM ; TEKNIEPE WILLIAM A ; TENG HONGBO ; TEKNIEPE WILLIAM A ; SOUBRA OMAR P ; SLEEPER ROBERT D ; RUDOW RICHARD W ; LEWIS ROBERT W ; KIRCHNER MARK L ; HONGBO TENG ; FRANCE PETER GLEN ; FRANCE PETER G ; DYE DAVID A ; SOUBRA OMAR PIERRE ; SCHERZINGER BRUNO M ; MCCUSKER MICHAEL V ; LONGAKER HAROLD L ; JANKY JAMES M ; HOLGREN MARTIN ; GRAESSER CHRISTIAN ; BRUNO SCHERZINGER ; BEST GREGORY C ; COFFEE JOHN R ; BOR WANG SY ; BILLINGS MARK ; ALLEN ROBERT F ; WEISENBURGER SHAWN D ; WANG SY BOR ; MARVIN KEVIN M

Inventor(s):

MARK L KIRCHNER ; MARK BILLINGS ; TEKNIEPE WILLIAM ; ALLEN ROBERT ; DAVID A DYE ; KEVIN M MARVIN ; JOHN R COFFEE ; ROBERT W LEWIS ; ROBERT F ALLEN ; ROBERT D SLEEPER ; RICHARD W RUDOW ; WILLIAM A TEKNIEPE

Agent(s):

GRUENECKER KINKELDEY STOCKMAIR AND SCHWANHAUESSER ANWALTSSOZIETAET ; COOPER AND DUNHAM LLP ; LAW OFFICES OF BORIS G TANKHILEVICH ; PELTON ESQ WILLIAM E ; WILLIAM E ; COOPER AND DUNHAM LLP ; BORIS G ; KILPATRICK TOWNSEND AND STOCKTON LLP ; TANKHILEVICH BORIS G

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 YU ZA ZM ZW

2) Family number: 30726581 (US2003198200A)

© PatBase

Title: SYSTEM AND METHOD FOR SPECTRUM MANAGEMENT OF A SHARED FREQUENCY BAND

Abstract: Source: US2003198200A Abstract of Disclosure A system and method for managing the spectrum utilization of a frequency band that is shared, both in frequency and time, by multiple devices. At one or more devices operating in the frequency band, pulses associated with signals occurring in the frequency band are detected by sampling part or all the frequency band for a time interval. From the detected signal pulses, the signals can be classified. In addition, overall spectrum activity can be measured. Using classification information for signals detected in the frequency band, policies can be executed so that a device may take certain actions in order to avoid interfering with other signals, or to optimize simultaneous use of the frequency band with the other signals. Signal detection occurs at one or more devices operating in a frequency band. Signal classification and measurement, as well as policy execution may occur within a processor of the same device where signal detection occurs, or in another device (located remotely or within the operating region of the frequency band).

Classifications:

International (IPC 8-9): G01R13/02 G01R29/02 G01R31/08 G06F11/00 G08C15/00 H03D1/00 H03L27/06 H04B1/00 H04B1/10 H04B1/18 H04B1/713 H04B15/00 H04B17/00 H04B3/46 H04B7/00 H04B7/185 H04B7/204 H04B7/208 H04B7/24 H04B7/26 H04J1/16 H04J3/14 H04L1/00 H04L1/16 H04L12/24 H04L12/26 H04L12/28 H04L12/56 H04L27/06 H04M11/00 H04Q1/20 H04Q7/00 H04Q7/20 H04Q7/24 H04R17/00 H04W16/14 H04W16/18 H04W16/20 H04W24/00 H04W64/00 H04W72/04 (Advanced/Invention); H04B1/713 H04W16/14 H04W24/00 H04W24/08 H04W64/00 H04W72/00 H04W84/18 (Advanced/Non-invention); G01R13/00 H03D1/00 H04B1/00 H04B1/10 H04B1/69 H04B15/00 H04B17/00 H04B3/46 H04B7/00 H04B7/24 H04L1/16 H04L12/24 H04L12/28 H04L12/56 H04L27/06 H04M11/00 H04Q1/18 H04Q7/20 H04R17/00 H04W16/00 H04W24/00 H04W64/00 H04W72/00 (Core/Invention); H04B1/69 (Core/Non-invention); H04L (Subclass/Invention)

International (IPC 1-7): G01S5/14 G06F H03D1/00 H04B1/00 H04B1/10 H04B1/18 H04B1/69 H04B1/707 H04B1/713 H04B15/00 H04B17/00 H04B3/46 H04B7/00 H04B7/204 H04B7/26 H04L12/24 H04L12/26 H04L12/50 H04L27/00 H04L27/06 H04M1/00 H04M11/00 H04M11/04 H04M3/42 H04Q1/20 H04Q7/00 H04Q7/20 H04Q7/24 H04Q7/32 H04Q7/36 H04R17/00 H04R5/04

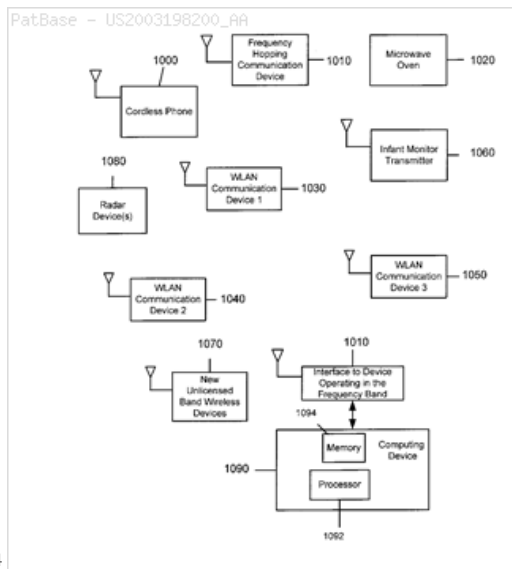
CPC: H04W64/00 H04W16/18 H04W16/20 H04W84/18 G01R29/02 H04B1/715 H04B2001/7154 G01R23/16 H04L1/1867 H04W28/06 H04W28/18 H04W28/22 H04B1/713 H04B3/46 H04B17/23 H04B17/24 H04B17/26 H04B17/327 H04B17/309 H04L27/0012 G01R13/0254 H04W72/00 H04W16/14 H04L1/1664 H04W24/08 H04L1/0001 H04W72/085 H04W12/08 H04W24/00 H04L41/0896 H04L43/045

European: G01R23/16 G01R29/02 H04B1/715 H04B17/00B1C H04B17/00B3 H04B17/00B4 H04B17/00B5 H04L1/00A H04L1/16F13 H04L12/24E2 H04L12/26M2A H04L27/00M H04L41/08G H04L43/04A H04W10/00 H04W11/20 H04W16/14 H04W16/18 H04W16/20 H04W216/14 H04W216/20 H04W224/00 H04W272/04 H04W36/04 H04W64/00 H04W72/08D H04W8/04B H04W8/08 T04B1/713 T04B1/713F4 T04B1/715C T04B17/00B1 T04L1/18T T04W10/00 T04W10/08 T04W16/14 T04W224/00 T04W224/08 T04W24/00 T04W24/08 T04W264/00 T04W272/00 T04W28/04 T04W28/06 T04W28/18 T04W28/22 T04W284/18 T04W32/00 T04W36/02 T04W50/08 T04W50/089 T04W64/00 T04W72/00 T04W84/18

US: 370/241 370/318 370/318P 370/319 370/319P 370/319S 370/329 370/329P 370/333 370/337 370/338 370/338P 370/341 370/342 370/347 370/373 370/373S 370/395.42 370/45 370/450 370/450S 370/468 375/132 375/134 375/136 375/136P 375/137 375/224 375/224P 375/225 375/228 375/259 375/259P 375/316 375/316P 375/340 375/340P 375/343 375/E01.036 375/E1.033 375/E1.036 375/E10.33S 375/E10.36S 375/E7.279 375/E72.79S 379/21 379/32.01 455/101 455/115.1 455/115.100P 455/115.3 455/115.300S 455/16 455/226.1 455/226.100S 455/277.1 455/277.2 455/39 455/403 455/41.2 455/412 455/422.1 455/422.100S 455/423 455/424 455/425 455/445 455/445S 455/45 455/450 455/452.1 455/456.1 455/456.100P 455/456.2 455/457 455/462 455/462P 455/501 455/502 455/522 455/62 455/63.1 455/63.100S 455/67.11 455/67.110P 455/67.13 455/67.7 455/69 455/69P 455/69S

Family:

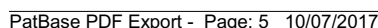
Publication number	Publication date	Application number	Application date
AU2003223468 AA	20031027	AU20030223468	20030408
AU2003223468 AH	20031027	AU20030223468	20030408
AU2003225262 AA	20031103	AU20030225262	20030422
AU2003228794 AA	20031103	AU20030228794	20030422
AU2003228794 AH	20031103	AU20030228794	20030422



AU2003234166 AA	20031103	AU20030234166	20030422
AU2003291065 AA	20040623	AU20030291065	20031119
AU2003291065 AH	20040623	AU20030291065	20031119
AU2003294416 AA	20040623	AU20030294416	20031119
AU2003294416 AH	20040623	AU20030294416	20031119
CN1663156 A	20050831	CN20038014615	20030422
CN1663156 B	20120523	CN20038014615	20030422
EP1502369 A2	20050202	EP20030726565	20030422
EP1502369 A4	20051130	EP20030726565	20030422
IN01707KN2004 A	20060728	IN2004KN01707	20041110
IN251745 B	20120406	IN2004KN01707	20041110
JP2005523616 T2	20050804	JP20030586714T	20030422
TW200307141 A	20031201	TW20030108015	20030408
TW200401519 A	20040116	TW20030109237	20030421
TW595140 B	20040621	TW20030109237	20030421
US2003198200 AA	20031023	US20020246363	20020918
US2003198304 AA	20031023	US20020246365	20020918
US2003224741 AA	20031204	US20030420362	20030422
US2004023674 AA	20040205	US20030628603	20030728
US2004028003 AA	20040212	US20030420515	20030422
US2004028123 AA	20040212	US20030420511	20030422
US2004047324 AA	20040311	US20030641973	20030815
US2004102198 AA	20040527	US20030717317	20031119
US2004137849 AA	20040715	US20040707790	20040113
US2004137915 AA	20040715	US20030717852	20031119
US2004156440 AA	20040812	US20040757704	20040114
US2004203474 AA	20041014	US20030248434	20030120
US2004203826 AA	20041014	US20020246364	20020918
US2004219885 AA	20041104	US20040856601	20040528
US2005002473 AA	20050106	US20040909450	20040802
US2005003828 AA	20050106	US20030409563	20030408
US2005032479 AA	20050210	US20040830414	20040422
US2005073983 AA	20050407	US20040909455	20040802
US2005227625 AA	20051013	US20040953231	20040929
US2006274684 AA	20061207	US20060500426	20060808
US2008019464 AA	20080124	US20070830390	20070730
US2009046625 AA	20090219	US20080184485	20080801
US2011090939 AA	20110421	US20100975535	20101222
US6714605 BB	20040330	US20020246365	20020918
US6850735 BB	20050201	US20020246364	20020918
US6941110 BB	20050906	US20040707790	20040113
US7006838 BB	20060228	US20030717317	20031119
US7035593 BB	20060425	US20040830414	20040422
US7079812 BB	20060718	US20030248434	20030120
US7110756 BB	20060919	US20040909455	20040802
US7116943 BB	20061003	US20030420362	20030422
US7171161 BB	20070130	US20030628603	20030728
US7184777 BB	20070227	US20030717852	20031119
US7224752 BB	20070529	US20040757704	20040114
US7254191 BB	20070807	US20030420511	20030422
US7269151 BB	20070911	US20020246363	20020918
US7292656 BB	20071106	US20040909450	20040802
US7408907 BB	20080805	US20030641973	20030815
US7424268 BB	20080909	US20030420515	20030422
US7444145 BB	20081028	US20060500426	20060808
US7460837 BB	20081202	US20040953231	20040929
US7606335 BB	20091020	US20070830390	20070730
US8175539 BB	20120508	US20100975535	20101222
WO03088626 A2	20031023	WO2003US10457	20030408
WO03088626 A3	20040219	WO2003US10457	20030408
WO03090037 A2	20031030	WO2003US13563	20030422
WO03090037 A3	20040212	WO2003US13563	20030422
WO03090376 A1	20031030	WO2003US13572	20030422
WO03090387 A1	20031030	WO2003US12376	20030422
WO04051868 A2	20040617	WO2003US36866	20031119
WO04051868 A3	20041028	WO2003US36866	20031119
WO04052027 A2	20040617	WO2003US37185	20031119
WO04052027 A3	20041125	WO2003US37185	20031119
WO04066544 A2	20040805	WO2004US00792	20040113
WO04066544 A3	20050728	WO2004US00792	20040113
WO04095758 A2	20041104	WO2004US12403	20040422
WO04095758 A3	20051124	WO2004US12403	20040422
WO05094309 A2	20051013	WO2005US10370	20050325
WO05094309 A3	20081204	WO2005US10370	20050325
WO06020405 A2	20060223	WO2005US26725	20050728
WO06020405 A3	20060615	WO2005US26725	20050728

Priority:

US20020246363	20020918	US20020246364	20020918	US20020246365	20020918
US20020370725P	20020409	US20020319737P	20021127	US20020319599P	20021007
US20020319714P	20021120	US20020319542P	20020911	US20020319435P	20020730
US20030420515	20030422	US20030420511	20030422	US20030409563	20030408
US20030319865P	20030114	US20030248434	20030120	US20030420362	20030422



Family:

Publication number	Publication date	Application number	Application date
CN101479956 A	20090708	CN200780023875	20070430
CN101479956 B	20130731	CN200780023875	20070430
CN101606315 A	20091216	CN200880003130	20080128
CN101606315 B	20140702	CN200880003130	20080128
CN101720528 A	20100602	CN200880021049	20080423
CN101720528 B	20140319	CN200880021049	20080423
CN102017553 A	20110413	CN200780051434	20071220
CN102017553 B	20141015	CN200780051434	20071220
CN102089966 A	20110608	CN200880021149	20080423
CN102089966 B	20160203	CN200880021149	20080423
CN102150361 A	20110810	CN200880126324	20081208
CN102150361 B	20161109	CN200880126324	20081208
CN102460385 A	20120516	CN201080025887	20100426
CN102460385 B	20160302	CN201080025887	20100426
CN102870494 A	20130109	CN201080064443	20101221
CN102870494 B	20160420	CN201080064443	20101221
CN102939716 A	20130220	CN201080064338	20101221
CN102939716 B	20160203	CN201080064338	20101221
CN102948071 A	20130227	CN201080064414	20101221
CN102948071 B	20160622	CN201080064414	20101221
CN102948081 A	20130227	CN201080064329	20101221
CN102948081 B	20160601	CN201080064329	20101221
CN103180844 A	20130626	CN201180050053	20110816
CN103201958 A	20130710	CN201180050066	20110816
CN103201958 B	20170118	CN201180050066	20110816
CN103597807 A	20140219	CN201180050052	20110816
CN103597807 B	20150930	CN201180050052	20110816
CN103997301 A	20140820	CN201410199319	20080128
CN104202279 A	20141210	CN201410462933	20071220
CN105141513 A	20151209	CN201510531485	20110816
CN105208083 A	20151230	CN201510502030	20110816
CN105634415 A	20160601	CN201610003690	20101221
CN105634585 A	20160601	CN201610011597	20110816
CN106160674 A	20161123	CN201610285599	20101221
CN106850735 A	20170613	CN201611138820	20110816
CN106921549 A	20170704	CN201611139142	20110816
DE602010032691 D1	20160602	DE201060032691T	20101221
EP2022179 A1	20090211	EP20070861302	20070430
EP2022179 A4	20091223	EP20070861302	20070430
EP2106648 A2	20091007	EP20070870441	20071220
EP2106648 A4	20140326	EP20070870441	20071220
EP2118999 A2	20091118	EP20080806836	20080128
EP2118999 A4	20100127	EP20080806836	20080128
EP2143209 A1	20100113	EP20080746721	20080423
EP2143209 A4	20140507	EP20080746721	20080423
EP2145385 A2	20100120	EP20080829011	20080423
EP2145385 A4	20140611	EP20080829011	20080423
EP2248255 A2	20101110	EP20080873193	20081208
EP2248255 A4	20140528	EP20080873193	20081208
EP2430531 A1	20120321	EP20100767899	20100426
EP2430531 A4	20130417	EP20100767899	20100426
EP2517353 A2	20121031	EP20100838778	20101221
EP2517353 A4	20141119	EP20100838778	20101221
EP2517353 B1	20160420	EP20100838778	20101221
EP2524568 A1	20121121	EP20100848623	20101221
EP2524568 A4	20141001	EP20100848623	20101221
EP2524568 B1	20160831	EP20100848623	20101221
EP2606435 A1	20130626	EP20110818694	20110816
EP2606435 A4	20170510	EP20110818694	20110816
EP2606571 A2	20130626	EP20110818695	20110816
EP2606576 A1	20130626	EP20110818697	20110816
EP3068047 A2	20160914	EP20160166094	20101221
EP3068047 A3	20170301	EP20160166094	20101221
EP3110231 A1	20161228	EP20160181745	20101221
HK1193522 A1	20160812	HK20140106888	20140708
HK1205382 A1	20151211	HK20150105454	20150608
HK1217385 A1	20170106	HK20160105230	20160509
HK1217583 A1	20170113	HK20160105628	20160517
IN01763CN2013 A	20160831	IN2013CN01763	20130304
IN01764CN2013 A	20160831	IN2013CN01764	20130304
IN01856CN2013 A	20160831	IN2013CN01856	20130307
IN04196CN2010 A	20110107	IN2010CN04196	20100706
IN04344CN2009 A	20100611	IN2009CN04344	20090722
IN06163CN2012 A	20131129	IN2012CN06163	20120713
IN06164CN2012 A	20131129	IN2012CN06164	20120713
IN07514DN2009 A	20100702	IN2009DN07514	20091119
IN07544DN2009 A	20100709	IN2009DN07544	20091120

IN08527CN2011 A	20130322	IN2011CN08527	20111118
JP2010518660 T2	20100527	JP20090543544T	20071220
JP2010525758 T2	20100722	JP20100506483T	20080423
JP2010530148 T2	20100902	JP20100504909T	20080423
JP2011511493 T2	20110407	JP20100536550T	20081208
JP2012525093 T2	20121018	JP20120507473T	20100426
JP2013515423 T2	20130502	JP20120545469T	20101221
JP2013515424 T2	20130502	JP20120545471T	20101221
JP2013541255 T2	20131107	JP20130524941T	20110816
JP2013541875 T2	20131114	JP20130525983T	20110816
JP2014500635 T2	20140109	JP20130524942T	20110816
JP2016029803 A2	20160303	JP20150178686	20150910
JP2016067037 A2	20160428	JP20150245373	20151216
JP2016197899 A2	20161124	JP20160139702	20160714
JP2017011747 A2	20170112	JP20160174930	20160907
JP5236661 B2	20130717	JP20090543544T	20071220
JP5250636 B2	20130731	JP20100536550T	20081208
JP5474764 B2	20140416	JP20100504909T	20080423
JP5591106 B2	20140917	JP20100506483T	20080423
JP5744910 B2	20150708	JP20120545471T	20101221
JP5761646 B2	20150812	JP20120545469T	20101221
JP5859538 B2	20160210	JP20130524942T	20110816
JP5911149 B2	20160511	JP20130524941T	20110816
JP6005646 B2	20161012	JP20130525983T	20110816
JP6144327 B2	20170607	JP20150245373	20151216
KR101484796 B1	20150120	KR20097024268	20080423
KR101503548 B1	20150324	KR20097024361	20080423
KR101610447 B1	20160408	KR20137006776	20110816
KR101662879 B1	20161005	KR20137006774	20110816
KR101669173 B1	20161025	KR20107015019	20081208
KR101688710 B1	20161222	KR20147021366	20080423
KR20100014339 A	20100210	KR20097015697	20071220
KR20100017214 A	20100216	KR20097024268	20080423
KR20100017270 A	20100216	KR20097024361	20080423
KR20100108546 A	20101007	KR20107015019	20081208
KR20120014001 A	20120215	KR20117027891	20100426
KR20120106868 A	20120926	KR20127019387	20101221
KR20120108026 A	20121004	KR20127019385	20101221
KR20130136452 A	20131212	KR20137006774	20110816
KR20130138748 A	20131219	KR20137006776	20110816
KR20140026321 A	20140305	KR20137006775	20110816
KR20140091616 A	20140721	KR20147017682	20071220
KR20140110992 A	20140917	KR20147021366	20080423
KR20150123830 A	20151104	KR20157024302	20110816
KR20160116058 A	20161006	KR20167026899	20110816
US2003207680 AA	20031106	US20020137556	20020501
US2006046665 AA	20060302	US20050262079	20051027
US2007241812 AA	20071018	US20070799239	20070430
US2008152037 AA	20080626	US20070961969	20071220
US2008174365 AA	20080724	US20080021241	20080128
US2008265996 AA	20081030	US20080108502	20080423
US2008284509 AA	20081120	US20080108507	20080423
US2009085658 AA	20090402	US20080203064	20080902
US2009096521 AA	20090416	US20080203076	20080902
US2009146736 AA	20090611	US20080330451	20081208
US2009285194 AA	20091119	US20090415676	20090331
US2010176885 AA	20100715	US20090603419	20091021
US2010271957 AA	20101028	US20100767669	20100426
US2011156815 AA	20110630	US20100928931	20101221
US2011158081 AA	20110630	US20100928933	20101221
US2012039254 AA	20120216	US20110211247	20110816
US2012039320 AA	20120216	US20110211243	20110816
US2012069880 AA	20120322	US20110211236	20110816
US2012135695 AA	20120531	US20110301224	20111121
US2012147993 AA	20120614	US20120404679	20120224
US2012154038 AA	20120621	US20100928934	20101221
US2012155572 AA	20120621	US20100928943	20101221
US2012230382 AA	20120913	US20120481389	20120525
US2013009707 AA	20130110	US20120553967	20120720
US2013094612 AA	20130418	US20120705022	20121204
US2013147550 AA	20130613	US20120724157	20121221
US2013214861 AA	20130822	US20130776163	20130225
US2013243124 AA	20130919	US20120619538	20120914
US2013251066 AA	20130926	US20130894987	20130515
US2013272202 AA	20131017	US20130913207	20130607
US2013315291 AA	20131128	US20130887133	20130503
US2014079153 AA	20140320	US20130020425	20130906
US2014179248 AA	20140626	US20130095891	20131203
US2014191805 AA	20140710	US20130087682	20131122
US2014219174 AA	20140807	US20140248597	20140409
US2014286247 AA	20140925	US20140169719	20140131
US2014306762 AA	20141016	US20140245190	20140404

US2014313884 AA	20141023	US20140260145	20140423
US2014327481 AA	20141106	US20140271881	20140507
US2015010110 AA	20150108	US20140337004	20140721
US2015055593 AA	20150226	US20140479875	20140908
US2015080054 AA	20150319	US20140335647	20140718
US2015092830 AA	20150402	US20140480285	20140908
US2015171899 AA	20150618	US20140553828	20141125
US2015326349 AA	20151112	US20150684678	20150413
US2015333710 AA	20151119	US20150691152	20150420
US2015381217 AA	20151231	US20150703579	20150504
US2015382363 AA	20151231	US20150754908	20150630
US2016014782 AA	20160114	US20150800515	20150715
US2016036394 AA	20160204	US20150788567	20150630
US2016080082 AA	20160317	US20150949405	20151123
US2016173040 AA	20160616	US20150885890	20151016
US2016269210 AA	20160915	US20160991264	20160108
US2017033969 AA	20170202	US20160173887	20160606
US2017047952 AA	20170216	US20160181033	20160613
US2017055198 AA	20170223	US20160223819	20160729
US2017070897 AA	20170309	US20160205820	20160708
US6985704 BB	20060110	US20020137556	20020501
US7688135 BB	20100330	US20080108507	20080423
US8064850 BB	20111122	US20070799239	20070430
US8149950 BB	20120403	US20070961969	20071220
US8213884 BB	20120703	US20080330451	20081208
US8224266 BB	20120717	US20080203076	20080902
US8274332 BB	20120925	US20090603419	20091021
US8326238 BB	20121204	US20050262079	20051027
US8351877 BB	20130108	US20100928934	20101221
US8380143 BB	20130219	US20080021241	20080128
US8401499 BB	20130319	US20120481389	20120525
US8467747 BB	20130618	US20120705022	20121204
US8472897 BA	20130625	US20070962025	20071220
US8509347 BB	20130813	US20120404679	20120224
US8542768 BB	20130924	US20100928943	20101221
US8548403 BB	20131001	US20130776163	20130225
US8618883 BB	20131231	US20120553967	20120720
US8620234 BB	20131231	US20110301224	20111121
US8682338 BB	20140325	US20110211243	20110816
US8693962 BB	20140408	US20080203064	20080902
US8730786 BB	20140520	US20100928933	20101221
US8731495 BB	20140520	US20120619538	20120914
US8737300 BB	20140527	US20110211247	20110816
US8804870 BB	20140812	US20100928931	20101221
US8811917 BB	20140819	US20080108502	20080423
US8824595 BB	20140902	US20130020425	20130906
US8848766 BB	20140930	US20110211236	20110816
US8855234 BB	20141007	US20130887133	20130503
US8903337 BB	20141202	US20130894987	20130515
US9026067 BB	20150505	US20100767669	20100426
US9031521 BB	20150512	US20140245190	20140404
US9048797 BB	20150602	US20140335647	20140718
US9054758 BB	20150609	US20130095891	20131203
US9077297 BB	20150707	US20120724157	20121221
US9106453 BB	20150811	US20140248597	20140409
US9137078 BB	20150915	US20140260145	20140423
US9148324 BB	20150929	US20130913207	20130607
US9184703 BB	20151110	US20130087682	20131122
US9246731 BB	20160126	US20140480285	20140908
US9374196 BB	20160621	US20150684678	20150413
US9379745 BB	20160628	US20140553828	20141125
US9419714 BB	20160816	US20140169719	20140131
US9419837 BB	20160816	US20150800515	20150715
US9531473 BB	20161227	US20150949405	20151123
WO08078195 A2	20080703	WO20071B04404	20071220
WO08078195 A3	20110317	WO20071B04404	20071220
WO08105775 A1	20080904	WO2007US10566	20070430
WO08154077 A1	20081218	WO2008US61355	20080423
WO08155610 A2	20081224	WO2008IB00996	20080128
WO08155610 A3	20090430	WO2008IB00996	20080128
WO09031042 A2	20090312	WO2008IB03079	20080423
WO09031042 A3	20110428	WO2008IB03079	20080423
WO09109808 A2	20090911	WO2008IB03944	20081208
WO09109808 A3	20110428	WO2008IB03944	20081208
WO09122298 A2	20091008	WO2009IB05600	20090331
WO09122298 A3	20091217	WO2009IB05600	20090331
WO10124297 A1	20101028	WO2010US32453	20100426
WO10124297 A8	20110707	WO2010US32453	20100426
WO11077246 A2	20110630	WO2010IB03448	20101221
WO11077246 A3	20110818	WO2010IB03448	20101221
WO11077246 A8	20110922	WO2010IB03448	20101221

WO11077247 A2	20110630	WO2010IB03449	20101221
WO11077247 A3	20110818	WO2010IB03449	20101221
WO11077247 A8	20110922	WO2010IB03449	20101221
WO11077247 A9	20111110	WO2010IB03449	20101221
WO11077249 A2	20110630	WO2010IB03452	20101221
WO11077249 A3	20110818	WO2010IB03452	20101221
WO11077249 A8	20111110	WO2010IB03452	20101221
WO11098861 A1	20110818	WO2010IB03455	20101221
WO11098861 A8	20110922	WO2010IB03455	20101221
WO12024343 A1	20120223	WO2011US47995	20110816
WO12024345 A2	20120223	WO2011US47999	20110816
WO12024345 A3	20130523	WO2011US47999	20110816
WO12024349 A1	20120223	WO2011US48004	20110816

Priority:

CN201080064329	20101221	CN201080064338	20101221	CN201180050052	20110816
CN201180050066	20110816	JP20120507473T	20100426	JP20130524942T	20110816
JP20150178686	20150910	EP20100838778	20101221	JP20130525983T	20110816
EP20100848623	20101221	JP20160139702	20160714	JP20160174930	20160907
US20070799239	20070430	US20060877035P	20061226	US20070962025	20071220
US20070925603P	20070423	US20070969127P	20070830	US20070969131P	20070830
US20070012416P	20071207	US20070961969	20071220	US20050262079	20051027
US20020137556	20020501	US20060795820P	20060428	US20060876640P	20061222
US20070897746P	20070126	US20070898312P	20070129	US20070012416	20071207
US20070925577P	20070423	US20080021241	20080128	US20080108502	20080423
US20080041164P	20080331	US20080203064	20080902	US20080203076	20080902
US20080330451	20081208	US20090415676	20090331	US20080041164	20080331
US20090288838P	20091221	US20090288840P	20091221	US20090288844P	20091221
US20090288847P	20091221	US20110439940P	20110207	US20110211247	20110816
US20110211243	20110816	US20110211236	20110816	US20100382836P	20100914
US20100374593P	20100817	US20090172462P	20090424	US20110301224	20111121
US20120404679	20120224	US20120481389	20120525	US20120619538	20120914
US20120553967	20120720	US20090603419	20091021	US20080108507	20080423
US20100767669	20100426	US20090172642P	20090424	US20100928931	20101221
US20100928943	20101221	US20100928933	20101221	US20100928934	20101221
WO2007US10566	20070430	WO2007IB04404	20071220	WO2008IB00996	20080128
WO2008US61355	20080423	WO2008IB03079	20080423	WO2008IB03944	20081208
WO2010US32453	20100426	WO2010IB03455	20101221	WO2010IB03448	20101221
WO2010IB03452	20101221	US20120705022	20121204	US20120724157	20121221
WO2011US47995	20110816	WO2011US47999	20110816	WO2011US48004	20110816
US20130776163	20130225	US20130894987	20130515	US20130913207	20130607
US20130887133	20130503	US20130020425	20130906	US20130095891	20131203
US20130087682	20131122	US20140248597	20140409	US20140169719	20140131
US20140245190	20140404	US20140260145	20140423	US20140271881	20140507
US20140337004	20140721	WO2010IB03449	20101221	US20140479875	20140908
US20140335647	20140718	US20140480285	20140908	US20140553828	20141125
US20150684678	20150413	US20150691152	20150420	US20150703579	20150504
US20150754908	20150630	US20150800515	20150715	US20150788567	20150630
US20150949405	20151123	US20150885890	20151016	US20160991264	20160108
US20160173887	20160606	US20160181033	20160613	US20160223819	20160729
US20160205820	20160708				

Probable Assignee: DALI WIRELESS INC

Assignee(s): (std): ANDERSON JAMES ; CHO KYOUNG JOON ; DALI SYSTEM CO LTD ; DALI SYSTEMS CO LTD ; KIM JONG HEON ; KIM WAN JONG ; YANG DALI ; YANG JIA ; STAPLETON SHAWN PATRICK ; XIAO YING ; WANG CHENGXUN ; LEMSON PAUL ; TRAJKOVIC SASA TRAJKO ; LEE ALBERT S ; LIN BIN ; LIU DONGTAI ; TRAJKOVIC SASA ; STAPLETON SHAWN P ; DALI SYSTEMS LTD ; DALI SYSTEMS CO LTD M AND C CORPORATE SERVICES ; DALI SYSTEMS CO LTFD ; DALI SYSTEMS CO LTD MAPLES CORPORATE SERVICES LTD ; DALI SYSTEMS CO LTD MAPLES CORPORATE SERVICES ; DALI WIRELESS INC

Assignee(s): DALI SYSTEMS COLTD ; DALI SYSTEMS CO LTD MAPLES CORPORATE SERVICES LIMITED ; DALI SYSTEMS CO LTD GEORGE TOWN ; LAW OFFICES OF JAMES E EAKIN APC ; DALI SYSTEMS CO ; DALI SYSTEM CO

Inventor(s): (std): SHAWN PATRICK STAPLETON ; XIAO YING ; YANG JIA ; YANG DALI ; WANG CHENGXUN ; TRAJKOVIC SASA ; STAPLETON SHAWN PATRICK ; STAPLETON SHAWN P ; SP SHAWN PATRICK STAPLETON ; SHAWN P STAPLETON ; LIU DONGTAI ; LIN BIN ; LEE ALBERT S S ; LEE ALBERT S ; KIM WAN JONG ; KIM JONG HEON ; JONG KIM WAN ; CHO KYOUNG JOON ; ANDERSON JAMES ; ALBERT S LEE ; WAN JONG KIM ; PATRICK STAPLETON SHAWN ; KYOUNG JOON CHO ; JONG HEON KIM ; TRAJKOVIC SASA TRAJKO ; LEMSON PAUL ; SHAWN STAPLETON ; SASA TRAJKO TRAJKOVIC ; PAUL LEMSON ; JIA YANG ; DALI YANG

Inventor(s): JONGHEON KIM ; STAPLETON SHAWN ; CHO KYOUNGJOON ; LEE ALBERT ; KYOUNGJOON CHO ; SHAWN PATRICK STAPLETON SP ; WANJONG KIM

Agent(s): PATENT U RECHTSANWAELE DIEHL AND PARTNER GBR ; FREEMAN JACQUELINE CAROL ; DIEHL AND PARTNER GBR ; INTELLECTUAL PROPERTY LAW GROUP LLP ; JAMES E EAKIN ; LAW OFFICES OF JAMES E EAKIN ; OTTO O ; INTELLECTUAL PROPERTY LAW LAW GROUP LLP ; JUNEKO ; JAMES E ; KILPATRICK TOWNSEND AND STOCKTON LLP ; KILPATRICK TOWNSEND AND STOCKTON LLP ; KILPATRICK TOWNSEND AND STOCKTON ; SMITH DALLAS F ; EAKIN JAMES E ; CCPIT PATENT AND TRADEMARK LAW OFFICE ; SMITH DALLAS F ET AL ; DALLAS F SMITH ET AL ; SMITH DALLAS ; GOWLING LAFLEUR HENDERSON LLP ET AL ; LARGENT CRAIG C

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 QA 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

4) Family number: 40839785 (US2007268278A)

© PatBase

Title: DURABLE DIGITAL WRITING AND SKETCHING INSTRUMENT

Abstract: Source: US2007268278A A hand-holdable, durable digital writing and sketching device or assembly having rugged construction that houses an on-board camera with a view through an optical window of a writing surface brought in view by a user moving the device. The device is rugged, sealed, and is capable of withstanding dropping, water submersion, abrasive

incursions, and resistance to chemical and fungal degradation. The optical window and optic channel to the camera is protected by a durable and replaceable light-transmitting shield that provides a sealed barrier to the environmental elements harmful to the functioning of the device. The writing and sketching device oscillates between a stowed and a deployed state. The deployed state includes the camera being in view the writing surface and the stowed state includes the camera being either masked from viewing the writing surface or aimed internally from viewing the writing surface. Other versions of the digital writing and sketching device include replaceable styli and pens that are removable and interchangeable with a sealed chamber in the device. The stylus point or pen ends are substantially in view of the on-board device camera. Signal transmissions communicated from the digital writing and sketching device convey pressures experienced by the inserted stylus or pens and are represented in proportion to a microprocessor based display that conveys changing field of view experienced by the on-board camera.

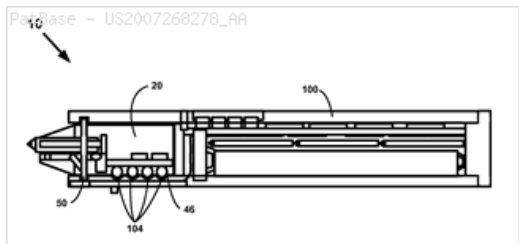
Classifications:

International (IPC 8-9): A45F5/00 B41J2/525 B41J5/30 B41M1/14 G01D15/00 G06F17/00 G06F17/24 G06F17/30 G06F3/00 G06F3/01 G06F3/03 G06F3/033 G06F3/0354 G06F3/039 G06F3/048 G06F3/12 G06K11/06 G06K9/00 G06K9/22 G06Q10/00 G06T1/00 G09B19/00 G09G5/00 G10L15/00 G10L15/04 G10L15/24 H04B1/713 H04B7/14 H04H60/88 H04J3/08 H04N1/32 H04N1/387 H04N1/40 H04N1/46 H04N1/60 H04N7/15 H04Q7/28 H04Q7/38 H04W H04W16/00 H04W4/00 H04W40/22 H04W72/02 H04W72/04 H04W72/12 H04W74/04 H04W84/18 H05K5/00 (Advanced/Invention); G06F3/033 G06K11/06 G09G5/00 H04W40/22 H04W72/00 H04W72/12 H04W84/18 (Advanced/Non-invention); B41J2/525 B41J5/30 B41M1/14 G06F17/00 G06F3/033 G06F3/048 G06F3/12 G06K11/06 G06K9/00 G06T1/00 G09B19/00 G09G5/00 G10L15/00 H04B7/14 H04N1/387 H04N1/46 H04N1/60 H04N7/15 H04W40/00 H04W72/00 H04W74/00 (Core/Invention); H04Q7/28 H04Q7/38 H04W40/02 H04W72/00 H04W84/18 (Core/Non-invention); G06F G06K G09G H04W (Subclass/Invention)

International (IPC 1-7): G06F17/00 G06F3/033 H04W72/02
CP: G06F3/04815 G06F2203/04802 G06Q10/10 H04N1/00392 H04N1/32112 H04N1/32128 H04N2201/0084 H04N2201/3249 H04N2201/3253 H04N2201/3264 H04N2201/3266 H04N2201/3267 H04N2201/3269 G06F3/039 G06F17/30061 G06F17/30241 H04W72/0486 H04W72/1263 H04W72/00 H04W72/04 H04W84/047 H04W84/18 H04W88/04 G10L15/24 G09B19/04 G06F17/242 G06F17/246 G06F3/0321 H04N1/6022 G06F3/1297 G06K1/121 G06F3/011 G02B27/01 G02B27/017 G02B2027/0138 G02B2027/014 G02B2027/0187 G06F3/017 G06F3/0325 G06F3/0425 G06F3/04883 G06F3/03545
European: G02B27/01C G06F17/245 G06F17/30E55 G06F17/30L G06F3/01B G06F3/01G G06F3/0354N G06F3/039 G06F3/03H G06F3/03H3 G06F3/03H6 G06F3/042C G06F3/0481E G06F3/0488G G06K1/12B G06Q10/10 G09B19/04 H04N1/00D2M H04N1/32C15B H04N1/32C17 H04N1/60D3 H04W72/04L H04W72/12D S02B27/01 S02B27/01A10 S02B27/01A11 S02B27/01D4 S06F203/04802 S06F3/12T T04N201/00J4 T04N201/32C4L T04N201/32C4P T04N201/32C5S T04N201/32C5T T04N201/32C5V T04N201/32C6 T04W72/00 T04W72/04 T04W84/04C4 T04W84/18 T04W88/04
US: 101/211 178/19.01 178/19.05 345/179 345/179P 345/179S 345/180 345/8 345/8P 346/145 346/145P 358/1.1 358/1.100P 358/2.1 358/3.28 361/724 361/724P 370/315 370/315P 370/329 370/329S 382/187 382/187S 455/452.1 455/452.100S 704/231 704/236 704/257 704/257P 704/270 704/E15.005 704/E15.005S 715/201 715/201P 715/220 715/220P 715/764 715/771 715/771P 715/781 715/819 715/829 715/850 715/855

Family:

Publication number	Publication date	Application number	Application date
AU2008251356 AA	20081120	AU20080251356	20080509
AU2008259843 AA	20081211	AU20080259843	20080602
AU2009214659 AA	20090820	AU20090214659	20090212
AU2014200617 AA	20140227	AU20140200617	20140205
BRPI0907878 A2	20150721	BR2009PI07878	20090212
CA2689728 AA	20091201	CA20082689728	20080602
CA2690695 AA	20091109	CA20082690695	20080509
CA2690695 C	20150804	CA20082690695	20080509
CA2713080 AA	20090820	CA20092713080	20090212
CA2713080 C	20150818	CA20092713080	20090212
CN101512629 A	20090819	CN200780027431	20070522
CN101512629 B	20120104	CN200780027431	20070522
CN101689186 A	20100331	CN200880023450	20080602
CN101689186 B	20120725	CN200880023450	20080602
CN101707867 A	20100512	CN200880017767	20080509
CN101707867 B	20120815	CN200880017767	20080509
CN101946549 A	20110112	CN200980105032	20090212
CN101946549 B	20141210	CN200980105032	20090212
DE602007024682 D1	20121004	DE200760024682T	20071218
EP2024962 A2	20090218	EP20070797652	20070522
EP2024962 A4	20130130	EP20070797652	20070522
EP2089876 A1	20090819	EP20070875097	20071207
EP2098061 A2	20090909	EP20070865836	20071218
EP2098061 A4	20101020	EP20070865836	20071218
EP2098061 B1	20120808	EP20070865836	20071218
EP2135231 A1	20091223	EP20080754841	20080229
EP2135231 A4	20141015	EP20080754841	20080229
EP2145245 A2	20100120	EP20080769434	20080509
EP2145245 A4	20130417	EP20080769434	20080509
EP2168055 A2	20100331	EP20080769992	20080602
EP2168055 A4	20120502	EP20080769992	20080602
EP2171611 A1	20100407	EP20080756637	20080602
EP2171611 A4	20141126	EP20080756637	20080602
EP2253170 A1	20101124	EP20090710128	20090212
HK1133943 A1	20120810	HK20100101781	20100219
IL207040 A0	20101230	IL20090207040	20090212
IN04639CN2010 A	20101119	IN2010CN04639	20100723
IN07308DN2009 A	20100625	IN2009DN07308	20091111
IN07874DN2009 A	20100806	IN2009DN07874	20091202
JP2010512693 T2	20100422	JP20090540506T	20071207
JP2010514378 T2	20100430	JP20090543149T	20071218
JP2011515895 T2	20110519	JP20100546906T	20090212
JP2014090478 A2	20140515	JP20130264677	20131220
JP5680421 B2	20150304	JP20100546906T	20090212



KR101189951 B1	20121012	KR20107020456	20090212
KR101337055 B1	20131205	KR20087029464	20070522
KR20090029196 A	20090320	KR20087029464	20070522
KR20100117668 A	20101103	KR20107020456	20090212
KR20120094058 A	20120823	KR20127015997	20090212
MX2010008828 A1	20100907	MX20100008828	20090212
RU2010137833 A	20120320	RU20100137833	20090212
RU2464711 C2	20121020	RU20100137833	20090212
TW200944021 A	20091016	TW20090104677	20090213
TWI500345 B	20150911	TW20090104677	20090213
UA99642 C2	20120910	UA20100100929	20090212
US2007268278 AA	20071122	US20070751544	20070521
US2008129766 AA	20080605	US20070950951	20071205
US2008141878 AA	20080619	US20070959375	20071218
US2008184149 AA	20080731	US20070872533	20071015
US2008186255 AA	20080807	US20070952896	20071207
US2008221893 AA	20080911	US20080040752	20080229
US2008278734 AA	20081113	US20080118656	20080509
US2008282138 AA	20081113	US20080131852	20080602
US2008301542 AA	20081204	US20080131848	20080602
US2009201846 AA	20090813	US20090365777	20090204
US2010232116 AA	20100916	US20090553698	20090903
US7884811 BB	20110208	US20070751544	20070521
US8040570 BB	20111018	US20070959375	20071218
US8384696 BB	20130226	US20090553698	20090903
US8457959 BB	20130604	US20080040752	20080229
US8473866 BB	20130625	US20070872533	20071015
US8509162 BB	20130813	US20090365777	20090204
US8719718 BB	20140506	US20080118656	20080509
WO07137262 A2	20071129	WO2007US69468	20070522
WO07137262 A3	20080508	WO2007US69468	20070522
WO08046105 A2	20080417	WO2007US81417	20071015
WO08046105 A3	20081127	WO2007US81417	20071015
WO08070724 A2	20080612	WO2007US86510	20071205
WO08070724 A3	20080731	WO2007US86510	20071205
WO08077076 A2	20080626	WO2007US87996	20071218
WO08077076 A3	20080828	WO2007US87996	20071218
WO08077076 C2	20081016	WO2007US87996	20071218
WO08106655 A1	20080904	WO2008US55552	20080229
WO08141250 A2	20081120	WO2008US63344	20080509
WO08141250 A3	20100121	WO2008US63344	20080509
WO08151158 A1	20081211	WO2008US65574	20080602
WO08151160 A2	20081211	WO2008US65576	20080602
WO08151160 A3	20090813	WO2008US65576	20080602
WO08151160 A8	20100318	WO2008US65576	20080602
WO08153599 A1	20081218	WO2007US86852	20071207
WO09102906 A1	20090820	WO2009US33978	20090212

Priority:

AU20080259843	20080602	AU20140200617	20140205	US20060802830P	20060522
JP20100546906	20090212	EP20070865836	20071218	JP20100546906T	20090212
US20070872533	20071015	US20070917034P	20070509	US20070892500P	20070301
US20060870601P	20061218	US20060869093P	20061207	US20060829520P	20061013
US20070751544	20070521	US20060868717P	20061205	US20070940560P	20070529
US20070950951	20071205	US20070959375	20071218	US20070952896	20071207
US20080040752	20080229	US20070969552P	20070831	US20080118656	20080509
US20070941332P	20070601	US20080131852	20080602	US20080131848	20080602
US20080028498	20080213	US20070941332	20071116	US20080917034P	20080509
US20080028489P	20080213	US20080028489	20080213	US20080028498P	20080213
WO2007US69468	20070522	WO2007US86852	20071207	WO2007US87996	20071218
WO2008US55552	20080229	WO2008US63344	20080509	WO2008US65574	20080602
WO2008US65576	20080602	US20090365777	20090204	WO2009US33978	20090212
US20090553698	20090903				

Probable Assignee: ADAPX INC

Assignee(s): (std): LIND SCOTT ; MCGEE DAVID ; PARATORE ROBERT M ; ERIKSON ERIK M ; KAISER EDWARD C ; ROBIN MICHAEL ; SCHMID PHILIPP ; ERIKSON ERIK ; MCALLISTER BEN ; QUALCOMM INC ; GOROKHOV ALEXEI Y ; SAMPATH ASHWIN ; HORN GAVIN B ; COHEN PHILIP R ; ARTHUR ALEX M ; BARTHELMESS PAULO ; ARTHUR ALEX A ; COHEN PHIL ; BHUSHAN NAGA ; ADAPX ; ADAPX INC ; ADAPX INC ; ARTHUR ALEX ; AGRAWAL AVNEESH ; SMITH IRA ; WESSON R MATTHEWS ; SCOTT DAVID ; WESSON R MATTHEW ; WESSON MATTHEW R ; WESSON R MATTEHWS

Assignee(s): WESSON R ; ADAPX INC1150 - 801 SECOND AVENUESEATTLEWA98104US ; COMERICA BANK ; COMERICA BANK A TEXAS BANKING ASSOCIATION ; NATURAL INTERACTION SYSTEMS LLC ; KVEHLKOMM INKORPOREJTED ; QUALCOMM INCORPORATED

Inventor(s): (std): AGRAWAL AVNNESH ; ARTHUR ALEX M ; ARTHUR ALEX A ; ARTHUR ALEX ; ASHWIN SAMPATH ; COHEN PHILIP R ; ERIKSON ERIK M ; BARTHELMESS PAULO ; COHEN PHIL ; ERIKSON ERIK ; BHUSHAN NAGA ; DAVID MCGEE ; BEN MCALLISTER ; ERIK ERIKSON ; AGRAWAL AVNISH ; AGRAWAL AVNEESH ; ALEXEI Y GOROKHOV ; ALEX ARTHUR ; BKHUSHAN NAGA ; LIND SCOTT ; MCGEE DAVID ; PARATORE ROBERT M ; PARATORE ROBERT ; KAISER EDWARD C ; ROBIN MICHAEL ; SCHMID PHILIPP ; MCALLISTER BEN ; MC GEE DAVID ; GOROKHOV ALEXEI Y ; SAMPATH ASHWIN ; HORN GAVIN B ; ROBERT PARATORE ; MICHAEL ROBIN ; PHILIPP SCHMID ; PHIL COHEN ; GAVIN B HORN ; PAULO BARTHELMESS ; IRA SMITH ; GOROKHOV ALEKSEJ JU ; SAMPATKH ASHVIN ; KHORN GEHVIN B ; SMITH IRA ; WESSON R MATTHEWS ; SCOTT DAVID ; WESSON R MATTHEW ; WESSON MATTHEW R ; WESSON R MATTEHWS ; SCOTT LIND ; SCHMID PHILLIPP ; BRUSHAN NAGA

Inventor(s): ERIKSON ERIK M SEATTLE ; SMITH IRAUS ; WESSON MATTHEW RUS ; SCHMID PHILIPPUS ; WESSON R ; MCGEE DAVIDUS ; ROBIN MICHAELUS ; NAGA BRUSHAN ; SAMPATH, Ashwin ; HORN, Gavin B. ; GOROKHOV, Alexei Y. ; NAGA BHUSHAN ; MATTHEW R WESSON ; ERIKSON ERIKUS ; COHEN PHILUS ; BARTHELMESS PAULOUS ; AGRAWAL, Avneesh ; BHUSHAN, Naga ; AVNEESH AGRAWAL ; ARTHUR

Agent(s): BALDWIN'S INTELLECTUAL PROPERTY; MADDERN'S PATENT AND TRADE MARK ATTORNEYS; SMART AND BIGGAR; CORDINA KEVIN JOHN ET AL; CORDINA KEVIN JOHN; HESELBERGER JOHANNES; BLACK LOWE AND GRAHAM PLLC; QUALCOMM INC PATENT DEPARTMENT CENTRAL ADMINISTRATION; FOSTER PEPPER PLLC; RICHARD T; RICHARD C; FRANCOIS A; VERSHAVE RICHARD C; DOUGLAS CHRISTOPHER; BYRNE MARK D; CORIE FLORIN C

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

5) Family number: 41019243 (US2008002576A)

© PatBase

Title: SYSTEM AND METHOD FOR RESETTING COUNTERS COUNTING NETWORK PERFORMANCE INFORMATION AT NETWORK COMMUNICATIONS DEVICES ON A PACKET NETWORK

Abstract: Source: US2008002576A A system and method for collecting network performance information from network communications devices may include requesting, from a network communications device operating on a packet network, a counter value generated from counting a network performance information parameter. The request may cause the counter value to be reset prior to overflowing.

Classifications:

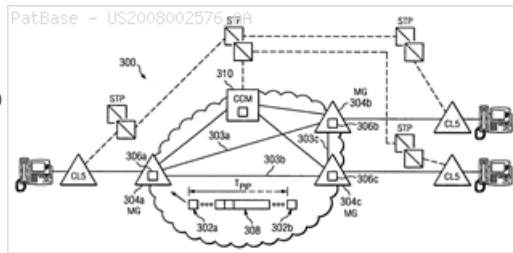
International (IPC 8-9): B22F7/02 G01R31/08 G06F11/00 G06F11/07 G06F13/28 G06F15/16 G06F15/167 G06F15/173 G06F15/177 G06F17/00 G06F17/30 G06F21/00 G06F7/04 G06G7/48 G06Q10/00 G06Q30/00 G06Q30/04 G06T11/20 G08C15/00 H01R4/66 H04B17/00 H04B7/00 H04J H04J1/00 H04J1/16 H04J3/14 H04L1/00 H04L1/20 H04L12/14 H04L12/16 H04L12/24 H04L12/26 H04L12/28 H04L12/54 H04L12/56 H04L12/64 H04L12/66 H04L12/70 H04L12/701 H04L12/703 H04L12/707 H04L12/721 H04L12/725 H04L12/801 H04L12/803 H04L12/813 H04L12/815 H04L12/823 H04L12/851 H04L12/853 H04L12/857 H04L12/911 H04L12/927 H04L29/02 H04L29/06 H04L29/08 H04L5/00 H04L5/12 H04L9/00 H04M11/00 H04M15/00 H04M3/22 H04M7/00 H04Q3/00 H04Q7/00 H04Q7/10 H04W12/08 H04W24/00 H04W24/02 H04W24/06 H04W24/08 H04W28/02 H04W28/08 H04W28/10 H04W28/18 H04W4/00 H04W40/00 H04W40/02 H04W40/12 H04W48/00 H04W48/20 H04W72/04 H04W76/04 (Advanced/Invention); G01R31/08 G06F11/00 G08C15/00 H04J1/16 H04J3/14 H04L12/24 H04L12/26 H04L12/66 H04L29/06 H04W24/00 H04W24/08 H04W28/08 H04W80/06 (Advanced/Non-invention); G06F11/00 G06F11/07 G06F15/16 G06F17/00 G06G7/00 G06Q10/00 G06Q30/00 G08C15/00 H04J1/00 H04L1/00 H04L12/24 H04L12/26 H04L12/28 H04L12/56 H04L12/66 H04L29/06 H04L9/00 H04M7/00 H04W28/16 H04W40/02 H04W48/00 (Core/Invention); H04W24/00 (Core/Non-invention); H04J H04L (Subclass/Invention)

International (IPC 1-7): H04J1/16 H04L12/28 H04L29/06

CPC: H04L45/26 H04L41/5061 H04L41/5067 H04L41/0816 H04L41/5064 H04L41/08 H04L41/5035 H04L45/125 H04L45/3065 H04W48/20 H04L12/145 H04L12/1485 H04L45/123 H04L45/124 H04L45/302 H04L41/06 G06Q20/14 G06Q30/04 H04L12/1428 H04L47/27 H04L45/245 H04W12/08 H04L65/103 H04L65/104 H04L65/1043 H04L67/101 H04L67/1012 H04L69/163 H04L67/22 H04W48/08 H04W74/00 H04L43/045 H04L43/0823 H04L43/04 H04L43/0876 H04M15/43 H04M15/59 H04M15/80 H04M15/8016 H04M15/8022 H04L41/145 H04L43/065 H01R4/66 H04L5/0064 H04L47/12 H04L47/122 H04L45/70 H01R43/02 B22F5/106 B22F7/06 B22F2999/00 C22C33/02 H04L65/4084 H04M15/42 H04M15/854 H04W24/08 H04W28/18 H04L43/06 H04L47/82 H04L41/0806 H04L41/5025 H04L41/0668 B23K31/02 B23K2201/36 H04W76/045 H04L1/0017 H04L1/0001 H04L1/0022 H04L1/205 H04L47/24 H04L47/2491 H04L41/22 H04L41/0631 H04L47/32 H04W40/02 H04L12/5692 H04L45/304 H04M7/0057 H04M15/8044 H04M15/8055 H04W28/08 H04W48/00 H04L67/14 H04L67/141 H04L67/146 H04W24/02 H04M15/00 H04L65/80 H04L45/24 H04L47/15 H04L47/726 H04L47/746 H04L47/801 H04L47/803 H04L47/822 H04M7/0072 H04L29/06326 H04L1/0896 H04L43/0847 H04L41/0213 H04L43/026 H04L43/0811 H04L43/12 H04Q3/0075 H04Q2213/13109 H04Q2213/13162 H04Q2213/13166 H04Q2213/13345 H04Q2213/13389 H04L45/22 H04L67/10 H04L67/18 H04L41/0823 H04L41/142 H04L43/0894 H04L43/16 H04W24/00 H04W80/06 H04L29/06027 H04M7/006 H04M7/0066 H04L43/50 H04L47/805 H04L41/147 H04M7/0075 H04L65/1069 H04L43/062 H04L43/0817 H04L12/66 B23K2203/05 B23K2203/18 B23K2203/04 H04L12/1403 H04L41/0677 H04L41/0681 H04L41/5051 H04L45/00 H04L45/28 H04L47/11 H04L47/22 H04L63/08 H04L63/102 H04L69/16 H04Q3/0062 H04L12/14 H04L12/6418 H04L12/5695 H04L47/125 H04M3/2227 H04M3/42348 H04L47/70 H04L47/10 H04L41/18 H04L41/5009 H04L41/5029 H04L47/20 H04L47/2416 H04L43/08 H04L41/00 H04L41/083 H04M3/2254 H04L41/5003 H04L41/5087 H04L41/509 H04L43/00 H04L43/022 H04L43/0829 H04L43/0852 H04L43/087 H04L43/0882 H04L43/10 H04L43/106 H04M7/0084

European: G06Q20/14 G06Q30/04 H04L1/00A H04L1/00A8Q H04L1/00A8U H04L1/20J H04L12/14 H04L12/14A H04L12/14J H04L12/14N2 H04L12/14T H04L12/24 H04L12/24B4 H04L12/24D H04L12/24E H04L12/24E1A H04L12/24E1B1 H04L12/24E1B3 H04L12/24E1B3B H04L12/24E2 H04L12/24F1 H04L12/24F3 H04L12/24S1 H04L12/24S1B H04L12/24S1B2 H04L12/24S1C2 H04L12/24S1D H04L12/24S1F H04L12/26M H04L12/26M1B H04L12/26M2B H04L12/26M3 H04L12/26M3A2 H04L12/26M3B H04L12/26M3B1 H04L12/26M3C H04L12/26M3C3 H04L12/26M3D3 H04L12/26M7 H04L12/56R H04L12/64B H04L12/66 H04L29/06C2 H04L29/06J H04L29/06J7 H04L29/06M2N2M4 H04L29/06M2N2S4 H04L29/06M2N3 H04L29/06M2S1 H04L29/06M8 H04L29/08N13 H04L29/08N13A H04L29/08N13J H04L29/08N21 H04L29/08N9A1C H04L29/08N9A1D H04L41/00 H04L41/06C1 H04L41/08 H04L41/08A1 H04L41/08A2A H04L41/08A3A H04L41/08A3B H04L41/08G H04L41/14B H04L41/14C H04L41/18 H04L41/22 H04L41/50A H04L41/50A2 H04L41/50B2 H04L41/50C H04L41/50E H04L43/00 H04L43/02B H04L43/06B H04L43/08 H04L43/08C H04L43/08D H04L43/08E H04L43/08E1 H04L43/08F H04L43/08F3 H04L43/08G3 H04L43/16 H04L45/00 H04L45/123 H04L45/124 H04L45/125 H04L45/22 H04L45/24 H04L45/24A H04L45/26 H04L45/28 H04L45/302 H04L45/304 H04L45/3065 H04L47/10 H04L47/11 H04L47/12 H04L47/12B H04L47/15 H04L47/20 H04L47/22 H04L47/24 H04L47/24B H04L47/24K H04L47/32 H04L47/72C H04L47/74D H04L47/80A H04L47/80B H04L47/82B H04L63/10B H04L65/80 H04M15/00 H04M3/22F H04M3/22N H04M7/00D18 H04M7/00M24M H04Q3/00D4 H04Q3/00D4F H04W28/18 H04W40/02 H04W48/20 T04L12/24A2 T04L12/24A7 T04L12/24D T04L12/24D3 T04L12/24E1B1 T04L12/24E1B3 T04L12/24F3 T04L12/24S1 T04L12/24S1D T04L12/24S2A2 T04L12/24S4 T04L12/24S4A T04L12/24S4B T04L12/24S6B T04L12/24S6C T04L12/24S6G T04L12/26M1A T04L12/26M2A T04L12/26M3B1 T04L12/26M3B2 T04L12/26M3C T04L12/26M3C3 T04L12/26M3D1 T04L12/26M4 T04L12/26M4B T04L12/26M5 T04L12/26M7 T04L29/06J T04L41/02B T04L41/06 T04L41/06B T04L41/06D T04L41/06E T04L41/08A2A T04L41/08A3B T04L41/22 T04L41/50A T04L41/50C T04L41/50G3 T04L41/50J T04L41/50J1 T04L41/50J2 T04L41/50M2 T04L41/50M3 T04L43/02A T04L43/04A T04L43/08E1 T04L43/08E2 T04L43/08F T04L43/08F3 T04L43/08G1 T04L43/10 T04L43/10B T04L43/12 T04L43/16 T04L63/08 T04Q213/13109 T04Q213/13162 T04Q213/13166 T04Q213/13345 T04Q213/13389 T04W24/00 T04W24/08 T04W48/08 T04W74/00 T04W80/06

US: 1/1 1/1P 345/440 345/440S 370/216 370/219 370/220 370/221 370/221P 370/225 370/227 370/228 370/229 370/229P 370/230 370/230.1 370/230.100P 370/231 370/232 370/233 370/234 370/235 370/235P 370/236 370/236.2 370/236S 370/237 370/237S 370/238 370/241 370/241.1 370/241P 370/241S 370/242 370/244 370/244P 370/248 370/250 370/250P 370/251 370/252 370/252P 370/252S 370/253 370/253P 370/254 370/254S 370/259 370/310 370/310P 370/312 370/315 370/328 370/329 370/331 370/332 370/338 370/351 370/352 370/352P 370/352S 370/353 370/354 370/356 370/356P 370/384 370/389 370/389P 370/389S 370/391 370/392 370/392P 370/395.1 370/395.100P 370/395.2 370/395.200P 370/395.200S 370/395.21 370/395.210 370/395.210P 370/395.42 370/400 370/400S 370/401 370/401P 370/419 370/419P 370/420 370/420P 370/463 370/468 370/468P 370/474 370/477 370/485 370/486 379/112.06 379/112.07 379/114.01 379/114.02 379/114.03 379/114.09 379/121.01 379/121.04 379/221.01 379/230 379/230P 379/32.01 379/32.010P 419/7 439/92 455/406 455/423 455/424 455/425 455/434 455/436 455/445 455/517 455/67.11 703/6 703/6P



705/1 705/1.1 705/34 705/34P 707/102 707/999.102 707/999.102S 707/E17.005 707/E17.005S 709/203 709/223 709/223P 709/224 709/224P 709/225 709/227 709/227P 709/228 709/229 709/231 709/233 709/235 709/237 709/238 709/239 709/240 713/154 714/37 714/37S 714/E11.02 714/E11.020S 715/206 715/700 715/700S 715/733 715/734 715/736 715/736P 726/11 726/11P 726/2 726/22 726/26 726/27 726/28 726/28P 726/29 726/3 726/4 726/6

Family:

Publication number	Publication date	Application number	Application date
CA2656409 AA	20081229	CA20072656409	20070629
CA2656409 C	20150811	CA20072656409	20070629
CA2656412 AA	20081229	CA20072656412	20070629
CA2656412 C	20150428	CA20072656412	20070629
CA2656552 AA	20081229	CA20072656552	20070629
CA2656552 C	20160419	CA20072656552	20070629
CN101523812 A	20090902	CN200780031994	20070629
CN101523812 B	20140226	CN200780031994	20070629
CN101523845 A	20090902	CN200780032020	20070629
CN101523845 B	20121010	CN200780032020	20070629
CN101595666 A	20091202	CN200780031996	20070629
CN101595666 B	20150513	CN200780031996	20070629
IL196283 A0	20090922	IL20080196283	20081230
IL196283 A1	20130930	IL20070196283	20070629
IL196284 A0	20090922	IL20070196284	20070629
IL196284 A1	20140930	IL20070196284	20070629
IL196285 A0	20090922	IL20070196285	20070629
IL196285 A1	20150924	IL20070196285	20070629
IN00704DN2009 A	20090522	IN2009DN00704	20090129
IN00705DN2009 A	20090522	IN2009DN00705	20090129
IN00706DN2009 A	20090522	IN2009DN00706	20090129
US2008002576 AA	20080103	US20070809911	20070531
US2008002670 AA	20080103	US20070809882	20070531
US2008002676 AA	20080103	US20070809533	20070531
US2008002677 AA	20080103	US20070809536	20070531
US2008002711 AA	20080103	US20060479751	20060630
US2008002716 AA	20080103	US20070809396	20070531
US2008005156 AA	20080103	US20070809405	20070531
US2008049615 AA	20080228	US20070809910	20070531
US2008049624 AA	20080228	US20070809395	20070531
US2008049625 AA	20080228	US20070809402	20070531
US2008049626 AA	20080228	US20070809917	20070531
US2008049628 AA	20080228	US20070809915	20070531
US2008049629 AA	20080228	US20070809397	20070531
US2008049630 AA	20080228	US20070809886	20070531
US2008049630 AA	20080228	US20070809886	20070601
US2008049630 AA	20080228	US20070809886	20070531
US2008049631 AA	20080228	US20070809887	20070531
US2008049632 AA	20080228	US20070809913	20070531
US2008049637 AA	20080228	US20070809403	20070531
US2008049638 AA	20080228	US20070809407	20070531
US2008049639 AA	20080228	US20070809881	20070531
US2008049640 AA	20080228	US20070809916	20070531
US2008049641 AA	20080228	US20070809534	20070531
US2008049649 AA	20080228	US20070809392	20070531
US2008049650 AA	20080228	US20070809406	20070531
US2008049745 AA	20080228	US20070809408	20070531
US2008049746 AA	20080228	US20070809532	20070531
US2008049747 AA	20080228	US20070809884	20070531
US2008049748 AA	20080228	US20070809885	20070531
US2008049753 AA	20080228	US20070809401	20070531
US2008049757 AA	20080228	US20070894879	20070822
US2008049769 AA	20080228	US20070809883	20070531
US2008049775 AA	20080228	US20070809394	20070531
US2008049776 AA	20080228	US20070809535	20070531
US2008049777 AA	20080228	US20070809537	20070531
US2008049787 AA	20080228	US20070809393	20070531
US2008049927 AA	20080228	US20070809391	20070531
US2008052206 AA	20080228	US20070809538	20070531
US2008052387 AA	20080228	US20070809888	20070531
US2008052393 AA	20080228	US20070809398	20070531
US2008052394 AA	20080228	US20070809912	20070531
US2008052401 AA	20080228	US20070809539	20070531
US2008052628 AA	20080228	US20070809914	20070531
US2008052784 AA	20080228	US20070809400	20070531
US2008095049 AA	20080424	US20060583288	20061019
US2008095173 AA	20080424	US20060583765	20061019
US2008167846 AA	20080710	US20060586169	20061025
US2008279183 AA	20081113	US20070809404	20070531
US2010085887 AA	20100408	US20090633361	20091208
US2011032821 AA	20110210	US20100906327	20101018
US2011116405 AA	20110519	US20100962272	20101207
US2011289578 AA	20111124	US20110196482	20110802
US2011317580 AA	20111229	US20110226664	20110907
US2012127881 AA	20120524	US20120360253	20120127

US2012127882 AA	20120524	US20120360301	20120127
US2012182864 AA	20120719	US20120422707	20120316
US2012201139 AA	20120809	US20120450149	20120418
US2012201360 AA	20120809	US20120450182	20120418
US2012230214 AA	20120913	US20120478180	20120523
US2012230328 AA	20120913	US20120472204	20120515
US2012236729 AA	20120920	US20120483712	20120530
US2012236750 AA	20120920	US20120485680	20120531
US2012254975 AA	20121004	US20120457627	20120427
US2012257617 AA	20121011	US20120526025	20120618
US2012269089 AA	20121025	US20120542220	20120705
US2012270425 AA	20121025	US20120542969	20120706
US2012314573 AA	20121213	US20120590976	20120821
US2012320784 AA	20121220	US20120590891	20120821
US2012321052 AA	20121220	US20120571111	20120809
US2012327816 AA	20121227	US20120571155	20120809
US2012330804 AA	20121227	US20120571134	20120809
US2013033984 AA	20130207	US20120648076	20121009
US2013100797 AA	20130425	US20120714048	20121213
US2013135993 AA	20130530	US20130746798	20130122
US2013145436 AA	20130606	US20130750568	20130125
US2013286875 AA	20131031	US20130925265	20130624
US2013294243 AA	20131107	US20130932252	20130701
US2013301460 AA	20131114	US20130943286	20130716
US2013322249 AA	20131205	US20130962567	20130808
US2013322265 AA	20131205	US20130962434	20130808
US2013322432 AA	20131205	US20130962227	20130808
US2014043977 AA	20140213	US20130058781	20131021
US2014043999 AA	20140213	US20130058824	20131021
US2014050106 AA	20140220	US20130021964	20130909
US2014064086 AA	20140306	US20130073008	20131106
US2014064100 AA	20140306	US20130075031	20131108
US2014071977 AA	20140313	US20130073018	20131106
US2014194068 AA	20140710	US20140188078	20140224
US2014226485 AA	20140814	US20140257741	20140421
US2014297847 AA	20141002	US20140257574	20140421
US2014321273 AA	20141030	US20140327794	20140710
US2014341049 AA	20141120	US20140244040	20140403
US2015110097 AA	20150423	US20140582467	20141224
US2015138955 AA	20150521	US20150608041	20150128
US2015172092 A9	20150618	US20130943286	20130716
US2015264187 AA	20150917	US20150722908	20150527
US2015295998 AA	20151015	US20150746524	20150622
US2015312283 AA	20151029	US20150789596	20150701
US2015326732 AA	20151112	US20150801685	20150716
US2015373061 AA	20151224	US20150836554	20150826
US2016057062 AA	20160225	US20150930432	20151102
US2016080272 AA	20160317	US20150949668	20151123
US2016134502 AA	20160512	US20160988593	20160105
US2016380878 AA	20161229	US20160260411	20160909
US7684332 BB	20100323	US20070809395	20070531
US7765294 BB	20100727	US20070809405	20070531
US7808918 BB	20101005	US20070809910	20070531
US7843831 BB	20101130	US20070809532	20070531
US7889660 BB	20110215	US20070894879	20070822
US7940735 BB	20110510	US20070809392	20070531
US7948909 BB	20110524	US20070809911	20070531
US8000318 BB	20110816	US20070809404	20070531
US8015294 BB	20110906	US20070809539	20070531
US8040811 BB	20111018	US20070809402	20070531
US8064391 BB	20111122	US20070809886	20070531
US8098579 BB	20120117	US20070809913	20070531
US8102770 BB	20120124	US20070809394	20070531
US8107366 BB	20120131	US20070809535	20070531
US8125897 BB	20120228	US20070809407	20070531
US8130793 BB	20120306	US20070809408	20070531
US8144586 BB	20120327	US20070809393	20070531
US8144587 BB	20120327	US20070809401	20070531
US8184549 BB	20120522	US20070809396	20070531
US8189468 BB	20120529	US20060586169	20061025
US8194555 BB	20120605	US20070809537	20070531
US8194643 BB	20120605	US20060583765	20061019
US8199653 BB	20120612	US20070809917	20070531
US8213366 BB	20120703	US20110226664	20110907
US8223654 BB	20120717	US20070809883	20070531
US8223655 BB	20120717	US20070809916	20070531
US8224255 BB	20120717	US20070809406	20070531
US8228791 BB	20120724	US20070809885	20070531
US8238253 BB	20120807	US20070809887	20070531
US8274905 BB	20120925	US20070809534	20070531
US8289965 BB	20121016	US20060583288	20061019

US8307065 BB	20121106	US20070809398	20070531
US8358580 BB	20130122	US20090633361	20091208
US8374090 BB	20130212	US20100906327	20101018
US8407765 BB	20130326	US20070809400	20070531
US8472326 BB	20130625	US20120542220	20120705
US8477614 BB	20130702	US20070809533	20070531
US8488447 BB	20130716	US20070809882	20070531
US8488495 BB	20130716	US20120526025	20120618
US8509082 BB	20130813	US20120422707	20120316
US8520603 BB	20130827	US20120478180	20120523
US8531954 BB	20130910	US20070809884	20070531
US8537695 BB	20130917	US20070809391	20070531
US8549405 BB	20131001	US20070809914	20070531
US8570872 BB	20131029	US20120450149	20120418
US8576722 BB	20131105	US20070809915	20070531
US8619596 BB	20131231	US20120360253	20120127
US8619600 BB	20131231	US20070809403	20070531
US8619820 BB	20131231	US20120360301	20120127
US8670313 BB	20140311	US20120714048	20121213
US8687614 BB	20140401	US20100962272	20101207
US8717911 BB	20140506	US20070809536	20070531
US8718046 BB	20140506	US20120450182	20120418
US8743700 BB	20140603	US20120483712	20120530
US8743703 BB	20140603	US20070809888	20070531
US8750158 BB	20140610	US20120571155	20120809
US8811160 BB	20140819	US20130746798	20130122
US8948036 BB	20150203	US20120472204	20120515
US8976665 BB	20150310	US20130932252	20130701
US9014204 BB	20150421	US20130073008	20131106
US9042370 BB	20150526	US20130073018	20131106
US9054915 BB	20150609	US20130943286	20130716
US9054986 BB	20150609	US20130075031	20131108
US9094257 BB	20150728	US20120571111	20120809
US9094261 BB	20150728	US20130962227	20130808
US9112734 BB	20150818	US20120590891	20120821
US9118583 BB	20150825	US20150608041	20150128
US9154634 BB	20151006	US20130058781	20131021
US9225609 BB	20151229	US20120648076	20121009
US9225646 BB	20151229	US20130962567	20130808
US9240906 BB	20160119	US20120590976	20120821
US9241271 BB	20160119	US20130750568	20130125
US9241277 BB	20160119	US20130962434	20130808
US9253661 BB	20160202	US20130058824	20131021
US9344906 BB	20160517	US20140582467	20141224
US9479341 BB	20161025	US20070809912	20070531
US9521150 BB	20161213	US20120457627	20120427
US9549004 BB	20170117	US20150801685	20150716
US9602265 BB	20170321	US20130021964	20130909
US9621361 BB	20170411	US20110196482	20110802
US9660761 BB	20170523	US20140244040	20140403
US9660917 BB	20170523	US20150949668	20151123
US9661514 BB	20170523	US20140188078	20140224
WO08005393 A2	20080110	WO2007US15252	20070629
WO08005393 A3	20080828	WO2007US15252	20070629
WO08013649 A2	20080131	WO2007US15203	20070629
WO08013649 A3	20080403	WO2007US15203	20070629
WO08024387 A2	20080228	WO2007US18549	20070822
WO08024387 A3	20080717	WO2007US18549	20070822
WO08030292 A2	20080313	WO2007US15299	20070629
WO08030292 A3	20081023	WO2007US15299	20070629
WO08049115 A2	20080424	WO2007US81971	20071019
WO08049115 A3	20080626	WO2007US81971	20071019
WO08049117 A1	20080424	WO2007US81980	20071019
WO08097254 A1	20080814	WO2007US15311	20070629

Priority:

US20060479751	20060630	US20060583288	20061019	US20070809391	20070531
US20060583765	20061019	US20060586169	20061025	US20060839333P	20060822
US20070809396	20070531	US20070809400	20070531	US20070809397	20070531
US20070809393	20070531	US20070809395	20070531	US20070809392	20070531
US20070809394	20070531	US20070809398	20070531	US20070809533	20070531
US20070809536	20070531	US20070809405	20070531	US20070809538	20070531
US20070809539	20070531	US20070809403	20070531	US20070809407	20070531
US20070809534	20070531	US20070809408	20070531	US20070809532	20070531
US20070809406	20070531	US20070809402	20070531	US20070809401	20070531
US20070809535	20070531	US20070809537	20070531	US20070809404	20070531
US20070809882	20070531	US20070809911	20070531	US20070809912	20070531
US20070809888	20070531	US20070809914	20070531	US20070809910	20070531
US20070809881	20070531	US20070809915	20070531	US20070809913	20070531
US20070809916	20070531	US20070809884	20070531	US20070809885	20070531
US20070809917	20070531	US20070809883	20070531	US20070894879	20070822
US20090633361	20091208	US20100906327	20101018	US20100962272	20101207
US20070809886	20070531	US20110196482	20110802	US20110226664	20110907
US20120360253	20120127	US20120360301	20120127	US20120422707	20120316
US20120450149	20120418	US20120450182	20120418	US20070897543P	20070126

US20070905624P 20070328	US20070900846P 20070405	US20070899571 20070529
WO2007US15299 20070629	WO2007US15252 20070629	US20120478180 20120523
US20120472204 20120515	US20120483712 20120530	US20120485680 20120531
US20120457627 20120427	US20120526025 20120618	US20120542220 20120705
US20120542969 20120706	US20120590976 20120821	US20120590891 20120821
US20120571111 20120809	US20120571155 20120809	US20120571134 20120809
US20120714048 20121213	US20130746798 20130122	US20130750568 20130125
US20120648076 20121009	US20130925265 20130624	US20130932252 20130701
US20130943286 20130716	US20130962567 20130808	US20130962434 20130808
US20130962227 20130808	US20130058781 20131021	US20130058824 20131021
US20130021964 20130909	US20130075031 20131108	US20130073008 20131106
US20130073018 20131106	US20140188078 20140224	US20140257741 20140421
US20140257574 20140421	US20140327794 20140710	US20140244040 20140403
US20140582467 20141224	US20150608041 20150128	US20150722908 20150527
US20150746524 20150622	US20150789596 20150701	US20150801685 20150716
US20150836554 20150826	US20150930432 20151102	US20150949668 20151123
US20160988593 20160105	US20160260411 20160909	

Probable Assignee: CENTURYLINK IP LLC

Assignee(s): (std): CENTURYLINK INTELLECTUAL PROPERTY LLC ; EDWARDS STEPHEN K ; CHAKRAVARTHY CADATHUR V ; COPPAGE CARL M ; EMBARQ HOLDINGS CO LLC ; CENTURYLINK IP LLC ; CENTURYLINK INTELLECTUAL PROPERTY LLP ; EDWARDS STEPHEN ; MORRILL ROBERT J ; RAY AMAR N ; KOZISEK STEVEN E ; HEINZ JOHN M ; MCNAUGHTON JAMES L ; HEINZE JOHN M ; BUGENHAGEN MICHAEL K ; CATERPILLAR INC ; MICHAEL K BUGENHAGEN ; ROBERT J MORRILL ; STEPHEN EDWARDS ; EMBARQ HOLDINGS CO LP ; EMBARQ HOLDINGS COMPANY LP ; EMBARQ HOLDINGS CO LLP ; EMBARQ HOLDINGS COMPANY LLP ; RAE ROBERT D ; ENESCU MARIUS G ; WILEY WILLIAM LYLE ; WILEY WILLIAM L ; STEVENS MICHAEL A ; WILLIAM LYLE WILEY

Assignee(s): EMBARQ HOLDINGS CO LLC5454 W. 110TH STREETOVERLAND PARKKS66211US ; EMBARQ HOLDINGS CO LLC A DELAWARE LIABILITY CO LTD ; EMBARQ HOLDINGS COMPANY LLC ; EMBARQ HOLDINGS CO LLC A DELAWARE LTD ; EMBARQ HOLDINGS CO ; EMBARQ HOLDING CO ; EMBARQ HOLDING CO LLC

Inventor(s): (std): BUGENHAGEN MICHAEL K ; CENTURYLINK INTELLECTUAL PROPERTY LLC ; CHAKRAVARTHY CADATHUR V ; COPPAGE CARL M ; EDWARDS STEPHEN ; EDWARDS STEPHEN K ; ENESCU MARIUS G ; HEINZ JOHN M ; HEINZE JOHN M ; KOZISEK STEVEN E ; LYLE WILEY WILLIAM ; MCNAUGHTON JAMES L ; RAE ROBERT D ; RAY AMAR N ; MORRILL ROBERT J ; STEVENS MICHAEL A ; WILEY WILLIAM L ; WILEY WILLIAM LYLE

Inventor(s): WILEY WILLIAM LYLEUS ; WILLIAM LYLE WILEY ; WILEY WILLIAM ; MORRILL ROBERT JUS ; ROBERT J MORRILL ; STEPHEN EDWARDS ; MICHAEL K BUGENHAGEN ; MORRILL ROBERT ; EDWARDS STEPHEN KUS ; BUGENHAGEN MICHAEL KUS ; BUGENHAGEN MICHAEL

Agent(s): KIRBY EADES GALE BAKER; GE EHRlich 1995 LTD; PATTON BOGGS LLP; SONNENSCHN NATH AND ROSENTHAL LLP; SNR DENTON US LLP; PATTONBOGGS LLP; SWANSON AND BRATSCHEUN LLC; SWANSON AND BRATSCHEUN LLC; SOLOMON GARY B ET AL; COLLINS DARREN W ET AL

Designated states: AE AG AL AM 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 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 42068191 (US2008181252A)

© PatBase

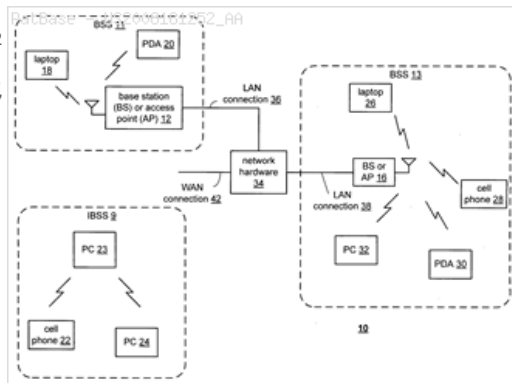
Title: RF BUS CONTROLLER

Abstract: Source: US2008181252A A radio frequency (RF) bus controller includes an interface and a processing module. The interface is coupled for communicating intra-device RF bus access requests and allocations. The processing module is coupled to receive an access request to an RF bus via the interface; determine RF bus resource availability; and when sufficient RF bus resources are available to fulfill the access request, allocate, via the interface, at least one RF bus resource in response to the access request.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/06 A63F13/10 A63F13/12 A63F13/20 A63F13/211 A63F13/212 A63F13/213 A63F13/30 A63F13/332 A63F13/655 A63F13/79 A63F13/843 A63F9/24 G01S1/08 G01S1/30 G01S13/00 G01S13/08 G01S13/42 G01S13/52 G01S13/87 G01S13/88 G01S3/80 G01S5/14 G01S7/41 G06F1/16 G06F1/24 G06F1/26 G06F12/00 G06F12/02 G06F13/00 G06F13/38 G06F15/16 G06F15/173 G06F15/177 G06F17/00 G06F19/00 G06F21/00 G06F3/00 G06F3/01 G06F3/0346 G06F9/00 G06F9/30 G06F9/302 G06F9/312 G06F9/38 G06K9/00 G08B7/10 H04B7/208 H04J1/23 H04B1/06 H04B1/38 H04B5/00 H04B7/00 H04L12/26 H04L12/28 H04L12/40 H04L12/403 H04L12/413 H04L12/66 H04L29/06 H04L29/08 H04L5/16 H04L9/32 H04M1/00 H04M11/00 H04N5/225 H04N5/228 H04N5/232 H04N7/24 H04Q7/20 H04W12/00 H04W24/00 H04W4/00 H04W4/02 H04W48/00 H04W48/20 H04W52/04 H04W72/04 H04W84/04 H04W88/06 H04W88/08 H04W88/12 H04W92/00 (Advanced/Invention); A63F13/212 A63F13/216 A63F13/57 A63F13/573 A63F13/825 G01S13/00 G01S13/72 G06F13/00 G06F3/00 G06F3/045 G06F9/00 H01L23/66 H04L12/403 H04L12/413 H04L12/417 H04W74/00 H05K7/00 (Advanced/Non-invention); A63F13/00 A63F9/24 G01S1/00 G01S13/00 G06F1/16 G06F1/24 G06F1/26 G06F12/00 G06F12/02 G06F13/00 G06F15/16 G06F17/00 G06F17/00 G06F9/00 G06F9/30 G06F9/302 G06F9/312 G06F9/46 G06K9/00 G08B13/14 G09G5/00 H01L23/552 H04B1/06 H04B1/38 H04B7/00 H04L12/28 H04L12/403 H04L12/407 H04L5/16 H04L9/32 H04M1/00 H04N5/228 H04N7/24 H04Q7/20 H04W12/00 H04W48/00 (Core/Invention); A63F13/10 G06F1/16 (Core/Non-invention)

CPC: H04L41/0806 H04L41/082 H04L41/0866 G06F9/38 H03K19/17744 H03K19/17752 H03K19/17756 H04W8/005 H04W16/14 H04W72/0453 H04W88/02 H04W4/18 H04W72/00 H04W74/004 H04W76/02 H04W92/18 H04M1/04 G06F1/32 G06F3/14 G06F3/1423 G09G5/36 G09G2360/06 G09G2370/16 G06F1/24 G06F13/385 H04M1/72544 H04M2250/02 H04M2250/06 H04M2250/10 H04M2250/12 H04W88/08 H04W88/12 H04B3/52 Y02B60/1225 Y02B60/1228 Y02B60/1235 Y02B60/1207 G06F1/1632 G03G15/6508 G03G15/6558 G06F12/0223 G06F12/0646 G11C5/04 G11C7/20 H04M1/72527 G06F15/7867 G06F13/4234 H04M1/7253 G06F12/1009 G06F12/0623 G06F12/1081 H01L23/66 H01L2223/6627 H01L2924/0002 H01L2924/1903 H04L12/403 H04L12/413 H04L12/417 H04W74/00 H01L2924/00 A63F13/57 A63F13/573 G01S13/878 G01S7/412 G01S13/003 G01S13/426 G01S13/723 A63F13/73 A63F13/213 A63F13/235 A63F13/42 A63F13/533 A63F13/79 A63F13/332 A63F13/12 A63F13/216 A63F13/843 A63F13/10 A63F2300/1012 A63F2300/1093 A63F2300/201 A63F2300/208 A63F2300/695 H04L12/40143 A63F13/211 A63F13/212 A63F13/825 A63F2300/1031 A63F2300/5553 G06F3/011 G06F3/012 G06F3/0346 G06F3/045 H04L12/40013 H04W72/04 H04W12/08 G06F21/35 A63F2300/406 A63F2300/5573 A63F2300/8023 A63F2300/8088 H04L67/18 H04L67/38 H04W4/02 Y02B60/50 G06F1/3209 H04W52/0261 H04W84/045 H04W88/04



European: A63F13/10 A63F13/12 G01S13/42S G01S13/87E G01S7/41A1 G03G15/65B4 G03G15/65M2 G06F1/16P6 G06F1/24 G06F1/32 G06F1/32P1A G06F12/02D G06F12/06C2 G06F12/06K G06F12/10D G06F12/10P G06F13/38A2 G06F13/42C3 G06F15/78R G06F21/35 G06F3/14 G06F3/14C G06F9/38 G09G5/36 G11C5/04 H03K19/177F4 H03K19/177H1 H03K19/177H2 H04L12/24E1A H04L12/24E1B2 H04L12/24E5 H04L12/40A1 H04L29/06C4 H04L29/08N17 H04L41/08A1 H04L41/08A2B H04L41/08C H04M1/725F1B H04M1/725F1G H04W12/02 H04W4/02 H04W88/04 H04W88/08 H04W88/12 K63F300/10B K63F300/10X1 K63F300/20C K63F300/20R3 K63F300/40M K63F300/55P4 K63F300/69P K63F300/80E K63F300/80Y S01S13/00B S01S13/72B S09G360/06 S09G370/16 S11C7/20 T01L223/66A3 T01L23/66 T01L924/19030 T04L12/403 T04L12/413 T04L12/417 T04M1/04 T04M1/725F1B1 T04M250/02 T04M250/06 T04M250/10 T04M250/12 T04W16/14 T04W4/18 T04W52/02L T04W52/02T8 T04W72/00 T04W72/04 T04W72/04H4 T04W74/00 T04W74/00C2 T04W76/02 T04W8/00D T04W84/04C2 T04W88/02 T04W88/12 T04W92/18

US: 1/1 235/375 257/25 257/660 257/660P 257/778 257/E23.114 257/E23.114S 31/32 31/36 340/572.4 340/572.7 340/572.700P 342/118 342/146 342/147 342/188 342/22 342/22P 342/350 342/350S 342/361 342/361S 342/386 342/386P 342/386S 342/394 342/394S 342/444 342/444S 342/450 342/458 345/156 345/156P 345/168 345/168S 348/222.1 348/222.100P 348/340 348/340S 348/345 348/345S 348/E05.024 348/E5.024 348/E5.045 348/E5.091 348/E50.24S 348/E50.45S 348/E50.91S 361/679.4 361/681 367/124 367/135 367/135P 370/252 370/252P 370/254 370/254P 370/255 370/307 370/308 370/309 370/310 370/310.1 370/328 370/329 370/329S 370/331 370/335 370/335P 370/338 370/338S 370/341 370/343 370/344 370/351 370/351P 370/412 370/437 370/444 370/445 370/445S 370/451 370/451P 370/463 375/219 375/219P 375/240.01 375/240.010S 375/E7.003 375/E70.03S 382/103 455/3.03 455/403 455/41.1 455/41.2 455/41.200P 455/41.3 455/411 455/411P 455/418 455/419 455/420 455/422.1 455/434 455/434 455/434P 455/454 455/456.1 455/456.3 455/456.5 455/456.6 455/500 455/509 455/550.1 455/550.100P 455/550.100S 455/552.1 455/556.1 455/556.100P 455/556.2 455/557 455/557P 455/557S 455/62 455/66.1 455/66.100S 455/73 455/73P 455/77 455/90.1 455/90.2 455/90.200P 463/16 463/29 463/29P 463/30 463/30S 463/31 463/31S 463/32 463/33 463/33P 463/36 463/37 463/39 463/39P 463/40 463/40P 463/40S 463/41 463/41P 463/42 463/42P 463/46 463/46S 709/208 709/220 709/221 709/222 709/223 709/224 710/1 710/100 710/100S 710/105 710/105P 710/107 710/107 710/15 710/15S 710/300 710/300P 710/303 710/65 711/100 711/103 711/103S 711/105 711/115 711/154 711/154P 711/170 711/170P 711/170S 711/171 711/171P 711/200 711/5 711/E12.001 711/E12.001S 711/E12.002 711/E12.002S 711/E12.084 712/205 712/205P 712/22 712/221 712/221P 712/28 712/E09.001 712/E09.017 712/E09.033 712/E9.001 712/E9.017 712/E9.033 712/E9.045 712/E90.17S 712/E90.33S 712/E90.45S 713/1 713/100 713/100S 713/168 713/168S 713/2 713/2P 713/2S 713/300 713/300S 718/104 718/104S 726/19 726/19S

Family:

Publication number	Publication date	Application number	Application date
CN102029071 A	20110427	CN201010294991	20100928
CN105536247 A	20160504	CN201510959111	20100928
DE602009001407 D1	20110714	DE200960001407T	20090123
EP2090954 A1	20090819	EP20090000959	20090123
EP2090954 B1	20110601	EP20090000959	20090123
EP2308575 A1	20110413	EP20100010081	20100921
TW201009546 A	20100301	TW20090103883	20090206
TW201141584 A	20111201	TW20100132622	20100927
US2008181252 AA	20080731	US20070700285	20070131
US2008316085 AA	20081225	US20080128785	20080529
US2008316103 AA	20081225	US20080128810	20080529
US2008316324 AA	20081225	US20080135332	20080609
US2008316863 AA	20081225	US20080135341	20080609
US2008318595 AA	20081225	US20080142702	20080619
US2008318619 AA	20081225	US20080202255	20080830
US2008318625 AA	20081225	US20080131550	20080602
US2008318626 AA	20081225	US20080131579	20080602
US2008318673 AA	20081225	US20080131605	20080602
US2008318675 AA	20081225	US20080131331	20080602
US2008318680 AA	20081225	US20080131480	20080602
US2008318681 AA	20081225	US20080131522	20080602
US2008318682 AA	20081225	US20080136939	20080611
US2008318683 AA	20081225	US20080142064	20080619
US2008318684 AA	20081225	US20080142733	20080619
US2008318689 AA	20081225	US20080128797	20080529
US2008318691 AA	20081225	US20080142032	20080619
US2008320250 AA	20081225	US20080202260	20080830
US2008320281 AA	20081225	US20080202256	20080830
US2008320285 AA	20081225	US20080202257	20080830
US2008320293 AA	20081225	US20080202259	20080830
US2009002316 AA	20090101	US20080210383	20080915
US2009008753 AA	20090108	US20080210415	20080915
US2009011832 AA	20090108	US20080210369	20080915
US2009017910 AA	20090115	US20080125154	20080522
US2009019250 AA	20090115	US20080236294	20080923
US2009037627 AA	20090205	US20070888068	20070731
US2009196199 AA	20090806	US20080236272	20080923
US2009196280 AA	20090806	US20080329492	20081205
US2009197573 AA	20090806	US20090393421	20090226
US2009197641 AA	20090806	US20080026681	20080206
US2009197643 AA	20090806	US20080326977	20081203
US2009197644 AA	20090806	US20090393448	20090226
US2009198798 AA	20090806	US20080326958	20081203
US2009198851 AA	20090806	US20080326971	20081203
US2009198852 AA	20090806	US20090393463	20090226
US2009198992 AA	20090806	US20090393490	20090226
US2009209288 AA	20090820	US20090431475	20090428
US2009213242 AA	20090827	US20090431524	20090428
US2009215396 AA	20090827	US20090433849	20090430
US2009237255 AA	20090924	US20090475500	20090530
US2009238251 AA	20090924	US20090475503	20090530
US2009239480 AA	20090924	US20090475504	20090530
US2009239483 AA	20090924	US20090475501	20090530
US2009258706 AA	20091015	US20080137747	20080612

US2009264124 AA	20091022	US20090495212	20090630
US2009264125 AA	20091022	US20090495298	20090630
US2009264154 AA	20091022	US20090495253	20090630
US2009273559 AA	20091105	US20080137143	20080611
US2009300240 AA	20091203	US20090431502	20090428
US2010075749 AA	20100325	US20090627894	20091130
US2011312421 AA	20111222	US20110223121	20110831
US2012093132 AA	20120419	US20110337243	20111226
US2012120837 AA	20120517	US20120356767	20120124
US2012129606 AA	20120524	US20120361333	20120130
US2012185665 AA	20120719	US20120429685	20120326
US2012284481 AA	20121108	US20120542284	20120705
US2012315991 AA	20121213	US20120592804	20120823
US2013017818 AA	20130117	US20120615080	20120913
US2013023290 AA	20130124	US20120627360	20120926
US2013029598 AA	20130131	US20120346970	20120110
US2013308581 AA	20131121	US20130949725	20130724
US2016142223 AA	20160519	US20150979153	20151222
US7870321 BB	20110111	US20080326971	20081203
US7952962 BB	20110531	US20080135341	20080609
US7973702 BB	20110705	US20080128785	20080529
US8010735 BB	20110830	US20070888068	20070731
US8031121 BB	20111004	US20080128810	20080529
US8062133 BB	20111122	US20080142032	20080619
US8116294 BB	20120214	US20070700285	20070131
US8121541 BB	20120221	US20080210415	20080915
US8125950 BB	20120228	US20090475504	20090530
US8125959 BB	20120228	US20090495253	20090630
US8160640 BB	20120417	US20080131579	20080602
US8175108 BB	20120508	US20080202260	20080830
US8175646 BB	20120508	US20090393448	20090226
US8195860 BB	20120605	US20090393463	20090226
US8195928 BB	20120605	US20090393490	20090226
US8200156 BB	20120612	US20090475501	20090530
US8204075 BB	20120619	US20090433849	20090430
US8223736 BB	20120717	US20090475503	20090530
US8238275 BB	20120807	US20080202255	20080830
US8239650 BB	20120807	US20080236294	20080923
US8254319 BB	20120828	US20080236272	20080923
US8279803 BB	20121002	US20090495212	20090630
US8280303 BB	20121002	US20080202257	20080830
US8289212 BB	20121016	US20110223121	20110831
US8289944 BB	20121016	US20090475500	20090530
US8311579 BB	20121113	US20120361333	20120130
US8359373 BB	20130122	US20090431475	20090428
US8430750 BB	20130430	US20090627894	20091130
US8438322 BB	20130507	US20080202256	20080830
US8509190 BB	20130813	US20120356767	20120124
US8520657 BB	20130827	US20110337243	20111226
US8521085 BB	20130827	US20120346970	20120110
US8594068 BB	20131126	US20120615080	20120913
US8621175 BB	20131231	US20120429685	20120326
US8628417 BB	20140114	US20080137747	20080612
US8661224 BB	20140225	US20120542284	20120705
US8676257 BB	20140318	US20120627360	20120926
US8717974 BB	20140506	US20090495298	20090630
US9265032 BB	20160216	US20130949725	20130724
US9417320 BB	20160816	US20080137143	20080611
US9486703 BB	20161108	US20080210383	20080915
US9515842 BB	20161206	US20150979153	20151222
US9523767 BB	20161220	US20080131331	20080602
US9547080 BB	20170117	US20080131522	20080602

Priority:

CN201010294991	20100928	EP20090000959	20090123	US20070700285	20070131
US20080128785	20080529	US20080128797	20080529	US20080026681	20080206
US20080125154	20080522	US20070888068	20070731	US20070936724P	20070622
US20080128810	20080529	US20080135332	20080609	US20080135341	20080609
US20080131605	20080602	US20080131331	20080602	US20080131480	20080602
US20080131522	20080602	US20080136939	20080611	US20080131550	20080602
US20080137747	20080612	US20080137143	20080611	US20080131579	20080602
US20080142032	20080619	US20080142702	20080619	US20080142064	20080619
US20080142733	20080619	US20080202255	20080830	US20080202260	20080830
US20080202256	20080830	US20080202259	20080830	US20080202257	20080830
US20080210383	20080915	US20080210369	20080915	US20080236294	20080923
US20080329492	20081205	US20080236272	20080923	US20090393448	20090226
US20080326977	20081203	US20090393421	20090226	US20080326958	20081203
US20090393463	20090226	US20080326971	20081203	US20090393490	20090226
US20090431475	20090428	US20090246289P	20090928	US20080210415	20080915
US20090431524	20090428	US20090433849	20090430	US20090475503	20090530
US20090475504	20090530	US20090475501	20090530	US20090495212	20090630
US20090495298	20090630	US20090495253	20090630	US20090431502	20090428
US20090627894	20091130	US20110223121	20110831	US20110337243	20111226
US20120356767	20120124	US20120429685	20120326	US20120542284	20120705
US20120592804	20120823	US20120346970	20120110	US20120627360	20120926
US20120361333	20120130	US20120615080	20120913	US20090475500	20090530

Probable Assignee: AVAGO TECHNOLOGIES GENERAL IP SINGAPORE PTE LTD**Assignee(s):** (std): ROFOUGARAN AHMADREZA REZA ; SESHADRI NAMBI RAJAN ; MARKISON TIMOTHY W ; ROFOUGARAN AHMADREZA ; ROFOUGARAN MARYAM ; KARAOGUZ JEYHAN ; WALLEY JOHN ; IBRAHIM BRIMA B ; BROADCOM CORP**Assignee(s):** BROADCOM CORP IRVINE ; BROADCOM CORPORATIONUS ; AVAGO TECHNOLOGIES GENERAL IP SINGAPORE PTE LTD ; BANK OF AMERICA NA COLLATERAL AGENT AS ; BROADCOM A CALIFORNIA CORP**Inventor(s):** (std): BROADCOM CORPORATION ; IBRAHIM BRIMA B ; KARAOGUZ JEYHAN ; MARKISON TIMOTHY W ; ROFOUGARAN AHMADREZA ; ROFOUGARAN AHMADREZA REZA ; ROFOUGARAN AHMADREZE REZA ; ROFOUGARAN MARYAM ; SESHADRI NAMBI RAJAN ; WALLEY JOHN**Inventor(s):** ROFOUGARAN AHMADREZE (REZA) ; ROFOUGARAN AHMADREZA (REZA) ; ROFOUGARAN AHMADREZA 92657 NEWPORT COAST ; MARKISON TIMOTHY W 96761 LAHAINA ; NAMBI RAJAN SESHADRI ; NAMBI RAJAN SESHADRI ; REZA**Agent(s):** BOSCH JEHL PATENTANWALTSGESELLSCHAFT MBH; JEHL VOLKER ARMIN; GARLICK HARRISON AND MARKISON; BRUCE E; TIMOTHY W; SHAYNE X; KEVIN L; HOLLY L; JESSICA W; GARLICK AND MARKISON**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**7) Family number: 43678958** (US2009252102A)

© PatBase

Title: METHODS AND SYSTEMS FOR A MOBILE, BROADBAND, ROUTABLE INTERNET**Abstract:** Source: US2009252102A In embodiments of the present invention improved capabilities are described for forming a mobile ad hoc network having a plurality of wireless communication links connecting a plurality of wireless mobile nodes. The present invention may apply a dynamic spectrum awareness algorithm to facilitate effective utilization of the available communications spectrum in an environment of the mobile ad hoc network, support both delay-sensitive and delay-tolerant traffic types on the mobile ad hoc network, and provide a defined quality of communications service for both the delay-sensitive and the delay-tolerant traffic.**Classifications:**

International (IPC 8-9): G06F15/16 H04B1/713 H04B15/00 H04B7/005 H04B7/212 H04B7/26 H04H20/71 H04J3/00 H04L1/00 H04L12/28 H04L12/56 H04L29/06 H04L29/12 H04N7/173 H04N7/20 H04W16/14 H04W16/18 H04W28/16 H04W4/00 H04W4/02 H04W40/00 H04W40/02 H04W40/04 H04W40/08 H04W40/12 H04W40/18 H04W40/20 H04W52/00 H04W56/00 H04W72/00 H04W72/04 H04W74/08 H04W80/02 H04W84/02 H04W84/18 H04W92/00 (Advanced/Invention);

G06F15/16 H04B7/212 H04L12/28 H04L12/56 H04L29/06 H04W4/02 H04W40/04 H04W40/12 H04W40/18 H04W40/20 H04W84/18 (Advanced/Non-invention);

H04B7/005 H04B7/26 H04J3/00 H04L12/28 H04N7/173 H04N7/20 H04W16/00 H04W4/00 H04W40/00 H04W40/02 H04W72/00 H04W84/18 (Core/Invention);

G06F15/16 (Core/Non-invention)

International (IPC 1-7): H04B7/26 H04W84/18

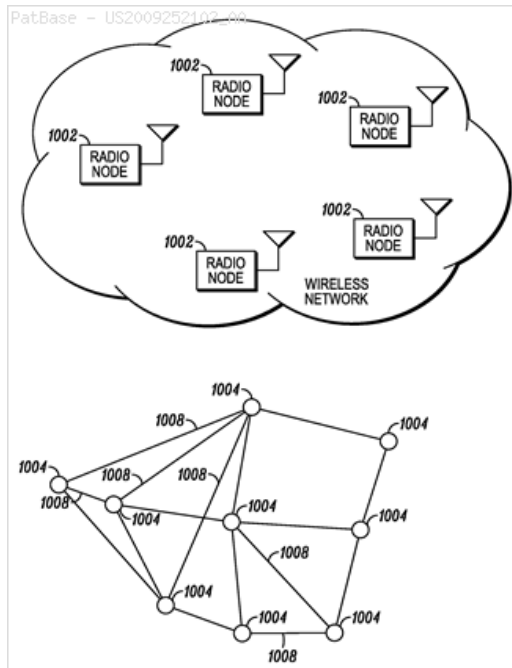
CPC: H04W40/026 H04W40/18 H04W40/02 H04W74/002 H04W74/0833 H04N21/4126 H04N21/43615 H04N21/43637 H04N21/6143 H04N21/6175 H04W56/0035 H04W56/0075 C02F1/4691 C02F1/283 C02F1/46114 C02F2001/46133 C02F2001/46161 C02F2201/46145 C02F2209/02 C02F2209/05 C02F2209/06 C02F2303/16 H04W48/14 H04J13/16 H04L25/0226 H04L25/03006 H04L27/2613 H04W4/20 H04B17/345 H04W48/08 H04W72/12 H04W92/18 Y02B60/50 H04W40/08 H04L1/0002 H04L1/0003 H04L1/0009 H04L1/0015 H04L45/123 H04L45/308 H04L2001/0097 H04W16/18 H04W40/20 H04W84/18 H04W84/22

European: H04L1/00A8 H04L45/123 H04L45/308 H04N21/41P5 H04N21/4363W H04N21/436H H04N21/61D6 H04N21/61U3 H04W16/18 H04W4/20 H04W40/02S H04W40/08 H04W40/18 H04W40/20 H04W48/08 H04W56/00H H04W56/00M4B2 H04W74/00C H04W84/18 T04J13/16 T04L1/00A1 T04L1/00A1M T04L1/00A5 T04L1/00T11 T04L25/02C7A T04L25/03B T04L27/26M1R3 T04W16/18 T04W40/02 T04W40/20 T04W72/12 T04W74/08D T04W84/18 T04W84/22 T04W92/18

US: 370/252 370/252P 370/254 370/254P 370/255 370/255P 370/310 370/310P 370/312 370/312P 370/328 370/328P 370/329 370/329P 370/337 370/337S 370/338 370/338P 370/338S 370/345 370/345S 370/347 370/347S 370/400 370/400S 455/41.2 455/62 455/62P 709/205 709/205S 725/110 725/110S 725/119 725/119S 725/68 725/68P

Family:

Publication number	Publication date	Application number	Application date
CA2753536 AA	20090903	CA20092753536	20090227
CA2757647 AA	20091203	CA20092757647	20090403
EP2248387 A2	20101110	EP20090715862	20090227
EP2248387 A4	20110928	EP20090715862	20090227
EP2266365 A2	20101229	EP20090755494	20090403
EP2266365 A4	20111228	EP20090755494	20090403
EP2316248 A2	20110504	EP20090800978	20090722
EP2316248 A4	20110928	EP20090800978	20090722
EP2366261 A1	20110921	EP20090812336	20090904
EP2366261 A4	20130213	EP20090812336	20090904
IN01426KN2011 A	20110729	IN2011KN01426	20110404
IN01433KN2011 A	20160826	IN2011KN01433	20110404
IN01435KN2011 A	20160826	IN2011KN01435	20110404
IN03173KN2010 A	20111125	IN2010KN03173	20100827
IN03962KN2010 A	20101224	IN2010KN03962	20101022
IN04777KN2010 A	20110225	IN2010KN04777	20101214
KR20110050460 A	20110513	KR20117004043	20090722
KR20110061609 A	20110609	KR20117007836	20090904



KR20110061610 A	20110609	KR20117007838	20090904
KR20110063819 A	20110614	KR20117007837	20110404
MX2010009361 A1	20101110	MX20100009361	20090227
MX2010010913 A1	20101221	MX20100010913	20090403
MX2011000860 A1	20110315	MX20110000860	20090722
US2009252102 AA	20091008	US20090394860	20090227
US2009252134 AA	20091008	US20090418363	20090403
US2010142421 AA	20100610	US20090554729	20090904
US2010142445 AA	20100610	US20090554699	20090904
US2010142446 AA	20100610	US20090554754	20090904
US2010142447 AA	20100610	US20090554773	20090904
US2010142448 AA	20100610	US20090554821	20090904
US2010150027 AA	20100617	US20090634440	20091209
US2010150120 AA	20100617	US20090554807	20090904
US2010169937 AA	20100701	US20090613506	20091105
US2010316033 AA	20101216	US20100817114	20100616
US2011019652 AA	20110127	US20100815069	20100614
US2011110273 AA	20110512	US20090054275	20090904
US2011117852 AA	20110519	US20090054154	20090722
US2011164527 AA	20110707	US20090062166	20090904
US2011164546 AA	20110707	US20090062072	20090904
US2012106428 AA	20120503	US20110248945	20110929
US2012127977 AA	20120524	US20110165033	20110621
US8060017 BB	20111115	US20090418363	20090403
US8300615 BB	20121030	US20110165033	20110621
WO09108858 A2	20090903	WO2009US35465	20090227
WO09108858 A3	20091203	WO2009US35465	20090227
WO09146132 A2	20091203	WO2009US39479	20090403
WO09146132 A3	20100121	WO2009US39479	20090403
WO10011796 A2	20100128	WO2009US51467	20090722
WO10011796 A3	20100429	WO2009US51467	20090722
WO10028278 A2	20100311	WO2009US56089	20090904
WO10028278 A3	20100617	WO2009US56089	20090904
WO10028307 A1	20100311	WO2009US56126	20090904
WO10028311 A1	20100311	WO2009US56130	20090904
WO10028315 A1	20100311	WO2009US56134	20090904
WO10147977 A2	20101223	WO2010US38659	20100615
WO10147977 A3	20110331	WO2010US38659	20100615

Priority:

US20080031960P 20080227	US20080042431P 20080404	US20080042442P 20080404
US20080074930P 20080623	US20080082642P 20080722	US20080082618P 20080722
US20080084773P 20080730	US20080084738P 20080730	US20080086242P 20080805
US20080094394P 20080904	US20080094203P 20080904	US20080094183P 20080904
US20080094294P 20080904	US20080094310P 20080904	US20080094247P 20080904
US20080094231P 20080904	US20080094279P 20080904	US20080094591P 20080905
US20080094584P 20080905	US20080094594P 20080905	US20080094546P 20080905
US20080094611P 20080905	US20080095298P 20080908	US20080095310P 20080909
US20080103106P 20081006	US20080111384P 20081105	US20080112131P 20081106
US20080118232P 20081126	US20080121169P 20081209	US20090394860 20090227
US20090418363 20090403	US20090187656P 20090616	US20090554729 20090904
US20090554699 20090904	US20090554773 20090904	US20090554821 20090904
US20090554807 20090904	US20090634440 20091209	US20090613506 20091105
US20100313723P 20100313	US20090054275 20090904	US20090054154 20090722
US20090062166 20090904	US20090062072 20090904	US20090554754 20090904
WO2009US51467 20090722	WO2009US56130 20090904	WO2009US56134 20090904
WO2009US35465 20090227	US20100817114 20100616	WO2009US39479 20090403
US20100815069 20100614	WO2009US56126 20090904	WO2009US56089 20090904
US20110248945 20110929	US20110165033 20110621	

Probable Assignee: POWERWAVE COGNITION INC

Assignee(s): (std): COPELAND GREGORY C ; COPELAND GREGORY CLARK ; ELSON BRIAN B ; LARGE BRIAN C ; SEIDEL SCOTT Y ; SCHLICHT LUDGER ; SMITH JEFFREY E ; PATACA VICTOR M T ; MISHRA RAJESH K ; POWERWAVE COGNITION INC ; ATWAL PETER ; NORMAN PETER

Assignee(s): CHARLES A STANZIALE JR IN HIS CAPACITY CHAPTER 7 TRUSTEE OF POWERWAVE TECHNOLOGIES INC AS ; PATACA VICTOR MT

Inventor(s): (std): COPELAND GREGORY C ; COPELAND GREGORY CLARK ; ELSON BRIAN B ; ARTWAL PETER ; ATWAL PETER ; LARGE BRIAN C ; PATACA VICTOR M T ; MISHRA RAJESH K ; NORMAN PETER ; SCHLICHT LUDGER ; SEIDEL SCOTT Y ; SMITH JEFFREY E

Inventor(s): VICTOR M T PATACA ; VICTOR MT PATACA ; SMITH JEFFREY ; SCOTT Y SEIDEL ; SEIDEL SCOTT ; PATACA VICTOR ; PATACA VICTOR MT ; PETER ARTWAL ; PETER ATWAL ; RAJESH K MISHRA ; LUDGER SCHLICHT ; MISHRA RAJESH ; COPELAND GREGORY ; GREGORY C COPELAND ; JEFFREY E SMITH

Agent(s): SMART AND BIGGAR; NAISMITH ROBERT STEWART; STRATEGIC PATENTS PC; NORTRUP JOHN H ET AL; LEWKOWICZ PAUL E 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 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

Abstract: Source: US2010046842A Cell phones and other portable devices are equipped with a variety of technologies by which existing functionality can be improved, and new functionality can be provided. Some relate to visual search capabilities, and determining appropriate actions responsive to different image inputs. Others relate to processing of image data. Still others concern metadata generation, processing, and representation. Yet others relate to coping with fixed focus limitations of cell phone cameras, e.g., in reading digital watermark data. Still others concern user interface improvements. A great number of other features and arrangements are also detailed.

Classifications:

International (ipc 8-9): A63F13/00 A63F13/12 A63F13/26
G06F13/00 G06F15/16 G06F17/00 G06F17/30 G06F21/24 G06F3/00
G06F3/01 G06F3/042 G06F3/048 G06F3/0482 G06F3/0484 G06F9/44
G06F9/445 G06K7/12 G06K9/00 G06K9/20 G06K9/22 G06K9/32
G06K9/34 G06K9/36 G06K9/38 G06K9/40 G06K9/46 G06K9/60
G06K9/62 G06K9/68 G06K9/80 G06N5/04 G06Q30/00 G06Q30/02
G06T1/00 G06T19/00 G06T3/00 G06T7/00 G09F19/00 G09F9/00
G09G5/00 H04B1/38 H04B1/40 H04B10/00 H04B10/114 H04B10/116
H04H60/32 H04H60/33 H04H60/37 H04H60/46 H04H60/48
H04H60/56 H04H60/59 H04H60/65 H04H60/80 H04H60/82 H04L29/06
H04L29/08 H04L9/00 H04L9/28 H04M1/00 H04M1/02 H04M1/725
H04M3/00 H04M3/42 H04N1/00 H04N1/21 H04N1/40 H04N1/48
H04N21/21 H04N21/23 H04N21/234 H04N21/254 H04N21/258
H04N21/262 H04N21/2665 H04N21/278 H04N21/41 H04N21/414
H04N21/422 H04N21/431 H04N21/433 H04N21/436 H04N21/4363
H04N21/4367 H04N21/442 H04N21/45 H04N21/458 H04N21/462
H04N21/466 H04N21/47 H04N21/472 H04N21/4722 H04N21/475
H04N21/478 H04N21/4782 H04N21/4788 H04N21/482 H04N21/61
H04N21/81 H04N21/8358 H04N21/84 H04N21/858 H04N5/217
H04N5/222 H04N5/225 H04N5/228 H04N5/232 H04N5/235
H04N5/445 H04N5/913 H04N7/00 H04N7/025 H04N7/16 H04N7/167
H04N7/173 H04N7/18 H04N9/04 H04N9/73 H04W12/04 H04W12/06
H04W4/00 H04W4/02 H04W4/16 H04W4/18 H04W4/20 H04W40/02
H04W48/16 H04W72/04 H04W88/02 (Advanced/Invention);
G06T1/00 G06T1/20 G06T7/00 H04B1/40 H04L29/06 H04M3/00
H04N1/00 H04N1/32 H04N101/00 H04N13/00 H04N5/225 H04W12/06
H04W28/26 H04W88/02 (Advanced/Non-invention);
G06F15/16 G06F17/00 G06F17/30 G06F3/048 G06K9/00
G06K9/68 G06N5/00 G06Q30/00 H04M1/00 H04M3/42 H04N5/445
H04N7/00 H04N7/16 H04N7/18 H04W4/20 (Core/Invention);
H04N5/225 (Core/Non-invention)

International (ipc 1-7): G06K9/00

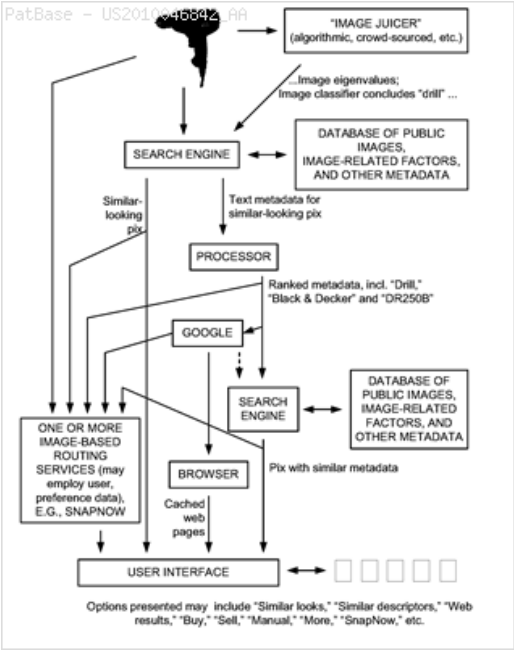
CPC: G06T19/006 H04N9/73 H04N21/8186 H04N21/47 H04W4/005 H04W4/18 H04N21/43637 H04N21/23418 G06K9/225
G06K9/4604 G06K9/4647 G06K9/4671 H04N21/2665 H04N21/42204 G06K9/00288 G06K9/00986 H04L67/16 H04N1/00244
H04N1/00328 H04N1/00331 H04N1/00336 H04N2201/0084 G06K9/00 H04N2013/0074 G06T1/20 G06F17/30247 G06K9/32
G06K9/00993 H04N1/32101 H04N2201/3225 H04N2201/3274 H04W28/26 G05D23/1905 G08C17/00 G08C2201/21
G08C2201/93 H04M2250/02 H04N21/4367 H04N21/4667 H04W4/16 H04W40/02 H04W4/02 H04W88/02 G06K9/4642
G06K9/4652 H04N1/00127 G06F17/30241 G06F17/30256 G06F17/30265 G06F17/30867 G06F17/3087 G06K9/6253
H04N2101/00 H04N2201/3278 H04W4/001 H04B10/1141 H04B10/116 H04L63/083 H04L63/18 H04W12/06 H04M2250/64
H04N5/44543 H04N21/21 H04N21/23 H04N21/4316 H04N21/4334 H04N21/47214 H04N21/4753 H04N21/4782 H04N21/4788
H04M2250/52 H04N21/4622 H04W12/04 H04M1/003 H04B10/22 H04W88/06 H04L63/0428 G06F15/16 H04M1/72533
H04N21/458 G06K9/22 G06F3/04842 G06F3/0482 H04N5/23222 G06K9/00577 H04M1/0202 H04M1/0264 H04N1/2133
H04N5/23219 H04N5/2354 H04M1/72572 H04N9/04 H04N1/00307 G06F17/30244 G06K9/0063 G06K9/6201 G06K9/6267
G06T3/00 G06T2207/10016 G06T2215/00 G06Q30/02 H04L67/04 H04L67/06 H04L67/125 H04L67/20 H04N21/4126
H04N21/43615 H04N21/478 H04N21/6131 H04N21/858 G06F3/011 G06F3/0425 G06Q30/0269 G06T1/0021 G06T1/0064
G06T3/0006 G06T2201/0051 H04N21/41415 G06K9/00664 G06K9/228 G06F17/30879 G06K7/12 G06K9/2018 G06K9/2027
G06K9/209 H04N1/40056 H04N1/482 H04N5/2256 G06T1/00 G06T7/00 H04B1/40 H04N21/8126 H04N21/84 H04N21/42207
G06T7/11 H04M1/72519 H04W4/023 H04W48/16 H04N21/44227 H04N21/8173 H04N21/4821 G06K9/38 G06K9/6212
H04M1/7253 H04N21/25883 H04N21/42208 H04N21/44204 H04N21/4532 H04N21/472 H04N21/4722 H04N21/482
H04N21/4122 H04N21/8358

European: G06F17/30L G06F17/30M G06F17/30M1H G06F17/30M2 G06F17/30W1F G06F17/30W1S G06F17/30W5B
G06F3/01B G06F3/042C G06K9/00V2 G06K9/00Y2 G06K9/00Z G06K9/22 G06K9/22W G06K9/32 G06K9/46B G06K9/46C
G06K9/62B5 G06Q30/02 G06Q30/0269 G06T1/00W G06T1/00W6G G06T3/00A G08C17/00 H04L29/08N11M H04L29/08N15
H04L29/08N19 H04L29/08N3 H04L29/08N5 H04M1/725F1B2 H04N1/00C H04N1/00C22C2 H04N1/00C22C4 H04N1/00C3K
H04N1/00C7D H04N21/21 H04N21/23 H04N21/41P5 H04N21/431L3 H04N21/433R H04N21/436H H04N21/462S H04N21/466M
H04N21/472R H04N21/475D H04N21/478 H04N21/4782 H04N21/4788 H04N21/61D4 H04N21/8358 H04N21/858 H04N5/232H
H04N5/445M S06T201/0051 S08C201/210 S08C201/930 T04M1/725F1B2 T04M250/02 T04M250/52 T04M250/64
T04N1/00C22C T04N1/00C7D T04N1/32C T04N101/00 T04N201/00J4 T04N201/32C10 T04N201/32C4 T04N201/32C9
T04N5/445M2 T04N5/445M6B T04W28/26

US: 1/1 345/582 345/633 345/633P 345/647 345/647S 345/649 348/135 348/135S 348/164 348/169 348/207.1 348/207.99
348/222.1 348/223.1 348/241 348/241S 348/269 348/370 348/42 348/61 348/61S 348/E5.024 348/E7.085 348/E70.85S
358/473 380/270 382/100 382/100P 382/100S 382/103 382/103P 382/106 382/118 382/162 382/165 382/165P 382/167
382/168 382/168S 382/170 382/173 382/181 382/190 382/190P 382/218 382/218P 382/219 382/224 382/224S 382/255
382/255S 382/275 382/275S 382/276 382/303 382/305 382/312 398/201 455/3.06 455/414.1 455/414.100P 455/414.100S
455/415 455/418 455/418S 455/419 455/420 455/420P 455/450 455/450P 455/466 455/466P 455/550.1 455/552.1
455/556.1 455/556.100P 455/556.100S 455/556.2 455/557 455/557P 455/561 455/561S 455/566 455/566S 455/88 463/30
463/30S 705/14.49 705/14.58 705/14.64 705/14.66 705/14.660P 705/14.67 706/46 706/46S 707/104.1 707/705 707/723
707/731 707/737 707/737.019 707/E17.019S 709/231 709/231S 713/150 713/150S 713/176 715/764 715/764S 725/114
725/116 725/116S 725/118 725/12 725/131 725/18 725/25 725/25P 725/31 725/32 725/34 725/37 725/37S 725/39 725/39P
725/48 725/59 725/59S 725/62 725/62P 725/9 725/9 725/9P

Family:

Publication number	Publication date	Application number	Application date
CA2734613 AA	20100225	CA20092734613	20090819
CA2750359 AA	20110721	CA20102750359	20100122
CA2750406 AA	20100812	CA20102750406	20100128
CA2754061 AA	20100910	CA20102754061	20100303
CN102216941 A	20111012	CN200980141567	20090819
CN102216941 B	20150812	CN200980141567	20090819
CN102388378 A	20120321	CN201080015678	20100122
CN102460475 A	20120516	CN201080031946	20100519
DE602013015833 D1	20170209	DE201360015833T	20130118
EP2313847 A1	20110427	EP20090808792	20090819
EP2313847 A4	20151209	EP20090808792	20090819
EP2394224 A1	20111214	EP20100738985	20100128
EP2396731 A1	20111221	EP20100741557	20100122
EP2396731 A4	20140903	EP20100741557	20100122
EP2404443 A1	20120111	EP20100749287	20100303



EP2404443 A4	20130904	EP20100749287	20100303
EP2805439 A1	20141126	EP20130702169	20130118
EP2805439 B1	20161228	EP20130702169	20130118
IN00816KN2011 A	20110513	IN2011KN00816	20110223
JP2012517188 T2	20120726	JP20110549198T	20100128
JP2012517767 T2	20120802	JP20110550147T	20100122
JP2012520018 T2	20120830	JP20110553088T	20100303
JP2012527705 T2	20121108	JP20120511999T	20100519
JP2015509336 T2	20150326	JP20140553470T	20130118
JP5594852 B2	20140924	JP20120511999T	20100519
JP5742057 B2	20150701	JP20110553088T	20100303
JP5789854 B2	20151007	JP20110550147T	20100122
KR101680044 B1	20161128	KR20117006167	20090819
KR20110043775 A	20110427	KR20117006167	20090819
KR20110116201 A	20111025	KR20117020488	20100128
KR20110118808 A	20111101	KR20117021034	20100122
KR20110128322 A	20111129	KR20117022847	20100303
KR20120047853 A	20120514	KR20117030192	20100519
KR20160136467 A	20161129	KR20167032337	20090819
US2010046842 AA	20100225	US20080271692	20081114
US2010048242 AA	20100225	US20090484115	20090612
US2010113091 AA	20100506	US20090468402	20090519
US2010205628 AA	20100812	US20090490980	20090624
US2010222102 AA	20100902	US20100695903	20100128
US2010228632 AA	20100909	US20100716908	20100303
US2010261465 AA	20101014	US20090498709	20090707
US2011034176 AA	20110210	US20100835527	20100713
US2011143811 AA	20110616	US20100855996	20100813
US2011212717 AA	20110901	US20110011618	20110121
US2011279479 AA	20111117	US20110193182	20110728
US2011280437 AA	20111117	US20110193157	20110728
US2011280447 AA	20111117	US20110197555	20110803
US2011281566 AA	20111117	US20110191249	20110726
US2011281599 AA	20111117	US20110193141	20110728
US2011283305 AA	20111117	US20110191190	20110726
US2011283306 AA	20111117	US20110191200	20110726
US2011283310 AA	20111117	US20110191210	20110726
US2011283319 AA	20111117	US20110191238	20110726
US2011283328 AA	20111117	US20110191181	20110726
US2011283329 AA	20111117	US20110191224	20110726
US2012070078 AA	20120322	US20110213963	20110819
US2012114249 AA	20120510	US20120345983	20120109
US2012190404 AA	20120726	US20110275142	20111017
US2012258776 AA	20121011	US20120444521	20120411
US2013011062 AA	20130110	US20110275126	20111017
US2013063613 AA	20130314	US20120489090	20120605
US2013167173 AA	20130627	US20120531163	20120622
US2013195273 AA	20130801	US20130745270	20130118
US2013217440 AA	20130822	US20130836166	20130315
US2013273968 AA	20131017	US20130774056	20130222
US2013286046 AA	20131031	US20130792793	20130311
US2013295894 AA	20131107	US20130934719	20130703
US2013329006 AA	20131212	US20130964014	20130809
US2013339996 AA	20131219	US20130972583	20130821
US2013340011 AA	20131219	US20130873657	20130430
US2014057676 AA	20140227	US20130888939	20130507
US2014059587 AA	20140227	US20130943148	20130716
US2014080428 AA	20140320	US20130078171	20131112
US2014169686 AA	20140619	US20130011383	20130827
US2014181859 AA	20140626	US20130968204	20130815
US2014193087 AA	20140710	US20130101896	20131210
US2014219566 AA	20140807	US20130084962	20131120
US2014373039 AA	20141218	US20140287956	20140527
US2015010231 AA	20150108	US20140321415	20140701
US2015011194 AA	20150108	US20140321404	20140701
US2015022675 AA	20150122	US20140506918	20141006
US2015215295 AA	20150730	US20150681610	20150408
US2015245090 AA	20150827	US20150635330	20150302
US2015304797 AA	20151022	US20150590669	20150106
US2015358525 AA	20151210	US20150681832	20150408
US2016132747 AA	20160512	US20150853408	20150914
US2017026717 AA	20170126	US20160194351	20160627
US2017032213 AA	20170202	US20160224975	20160801
US2017134784 AA	20170511	US20170412384	20170123
US8004576 BB	20110823	US20090468402	20090519
US8194986 BB	20120605	US20110197555	20110803
US8385971 BB	20130226	US20090484115	20090612
US8412577 BB	20130402	US20100716908	20100303
US8433306 BB	20130430	US20100695903	20100128
US8490128 BB	20130716	US20110191238	20110726
US8503791 BB	20130806	US20120345983	20120109
US8520979 BB	20130827	US20080271692	20081114

US8528036 BB	20130903	US20110191210	20110726
US8606021 BB	20131210	US20120489090	20120605
US8739208 BB	20140527	US20130972583	20130821
US8755837 BB	20140617	US20130774056	20130222
US8767084 BB	20140701	US20110213963	20110819
US8768313 BB	20140701	US20100855996	20100813
US8805110 BB	20140812	US20110011618	20110121
US8849259 BB	20140930	US20130934719	20130703
US8855372 BB	20141007	US20130084962	20131120
US8855712 BB	20141007	US20130836166	20130315
US8873853 BB	20141028	US20110275126	20111017
US8879735 BB	20141104	US20130745270	20130118
US8886206 BB	20141111	US20100835527	20100713
US8929877 BB	20150106	US20130078171	20131112
US9008315 BB	20150414	US20130888939	20130507
US9008724 BB	20150414	US20120444521	20120411
US9043845 BB	20150526	US20110191181	20110726
US9094719 BB	20150728	US20110191224	20110726
US9104915 BB	20150811	US20130101896	20131210
US9135520 BB	20150915	US20140321415	20140701
US9204038 BB	20151201	US20140506918	20141006
US9208384 BB	20151208	US20130011383	20130827
US9237368 BB	20160112	US20110191200	20110726
US9271133 BB	20160223	US20140321404	20140701
US9282357 BB	20160308	US20130943148	20130716
US9380355 BB	20160628	US20130873657	20130430
US9405991 BB	20160802	US20150853408	20150914
US9420328 BB	20160816	US20140287956	20140527
US9438949 BB	20160906	US20110191190	20110726
US9460560 BB	20161004	US20110193157	20110728
US9524584 BB	20161220	US20110193141	20110728
US9554199 BB	20170124	US20150635330	20150302
US9565512 BB	20170207	US20150590669	20150106
US9609296 BB	20170328	US20130964014	20130809
US9648373 BA	20170509	US20170412384	20170123
US9692984 BB	20170627	US20150681832	20150408
WO10022185 A1	20100225	WO2009US54358	20090819
WO10090946 A1	20100812	WO2010US22423	20100128
WO10093510 A1	20100819	WO2010US21836	20100122
WO10102040 A1	20100910	WO2010US26096	20100303
WO10135455 A1	20101125	WO2010US35449	20100519
WO13109934 A1	20130725	WO2013US22209	20130118
WO15021476 A1	20150212	WO2014US50573	20140811

Priority:

EP20130702169	20130118	US20080090083P	20080819	US20080096703P	20080912
US20080100643P	20080926	US20080103907P	20081008	US20080110490P	20081031
US20090174822P	20090501	US20090169266P	20090414	US20090150235P	20090205
US20090157153P	20090303	US20090167828P	20090408	US20090160660P	20090316
US20090152226P	20090212	US20080271692	20081114	US20090176739P	20090508
US20090484115	20090612	US20090234542P	20090817	US20090226195P	20090716
US20090498709	20090707	US20090468402	20090519	US20090490980	20090624
US20100695903	20100128	US20100716908	20100303	US20100835527	20100713
US20100855996	20100813	US20110011618	20110121	US20110191200	20110726
US20110191190	20110726	US20110191210	20110726	US20110191181	20110726
US20110193182	20110728	US20110193157	20110728	US20110191249	20110726
US20110193141	20110728	US20110191238	20110726	US20110191224	20110726
US20110213963	20110819	US20120345983	20120109	US20110275142	20111017
US20120444521	20120411	US20110275126	20111017	US20120531163	20120622
US20120489090	20120605	US20110197555	20110803	US20130836166	20130315
US20130774056	20130222	US20130792793	20130311	US20130934719	20130703
US20130964014	20130809	US20130888939	20130507	US20130745270	20130118
US20130873657	20130430	US20130972583	20130821	US20120589241P	20120120
US20130943148	20130716	US20130078171	20131112	US20130011383	20130827
US20130968204	20130815	US20130101896	20131210	US20130084962	20131120
US20140287956	20140527	US20140321404	20140701	WO2009US54358	20090819
WO2010US22423	20100128	WO2010US21836	20100122	WO2010US26096	20100303
WO2010US35449	20100519	WO2013US22209	20130118	US20140321415	20140701
US20140506918	20141006	US20150681610	20150408	US20150635330	20150302
US20150590669	20150106	US20150681832	20150408	US20150853408	20150914
US20160194351	20160627	US20160224975	20160801	US20170412384	20170123

Probable Assignee: DIGIMARC CORP

Assignee(s): (std): RODRIGUEZ TONY F ; LORD JOHN D ; MACINTOSH BRIAN T ; RHOADS GEOFFREY B ; DIGIMARC CORP ; MACINTOSH BRIAN T ; RHOADS NICOLE ; RODRIQUEZ TONY F ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; SHARMA RAVI K

Assignee(s): DIGIMARC (AN OREGON CORPORATION) CORP ; DIGIMARC AN OREGON CORP CORP ; DIGIMARC AN OREGON CORPORATION CORP ; DIGIMARC BEAVERTON CORP

Inventor(s): (std): MACINTOSH BRIAN T ; MACLNTOSH BRIAN T ; REED ALASTAIR M ; RHOADS GEOFFREY B ; RHOADS NICOLE ; RODRIGUEZ TONY F ; RODRIGUEZ TONY R ; RODRIQUEZ TONY F ; STACH JOHN ; SHARMA RAVI K ; BOLES JACOB L ; CONWELL WILLIAM Y ; DAVIS BRUCE L ; LORD JOHN D ; NICOLE RHOADS ; LORD JOHN DOUGLAS

Inventor(s): MACINTOSH BRIAN ; LORD JOHN ; LORD JOHN DOUGLAS WEST LINN ; RODRIGUEZ TONY ; RHOADS GEOFFREY

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; BOEHMERT AND BOEHMERT ANWALTSPARTNERSCHAFT MBB
PATENTANWALTE RECHTSANWALTE; HOARTON LLOYD DOUGLAS CHARLES; DIGIMARC CORP;
CONWELL WILLIAM Y; MEYER JOEL R

US2011246611 AA	20111006	US20110163416	20110617
US2012129607 AA	20120524	US20120363696	20120201
US2012135711 AA	20120531	US20120363943	20120201
US2012149463 AA	20120614	US20120398727	20120216
US2012202185 AA	20120809	US20120452015	20120420
US2012329429 AA	20121227	US20120604418	20120905
US2012329555 AA	20121227	US20120604501	20120905
US2013203036 AA	20130808	US20130834001	20130315
US2013205341 AA	20130808	US20130834359	20130315
US2013231088 AA	20130905	US20130769053	20130215
US2013305297 AA	20131114	US20130944670	20130717
US2014006161 AA	20140102	US20120720695	20121219
US2014108149 AA	20140417	US20130838272	20130315
US2014157325 AA	20140605	US20130925328	20130624
US2014248959 AA	20140904	US20140274192	20140509
US2014344847 AA	20141120	US20140455559	20140808
US2015106855 AA	20150416	US20140577822	20141219
US2015244876 AA	20150827	US20150706869	20150507
US2015245209 AA	20150827	US20150706894	20150507
US2015289103 AA	20151008	US20150743921	20150618
US2016014455 AA	20160114	US20150862781	20150923
US2016127899 AA	20160505	US20140531118	20141103
US2016173912 AA	20160616	US20160050347	20160222
US2016173913 AA	20160616	US20160050332	20160222
US2016173938 AA	20160616	US20160050352	20160222
US2016173956 AA	20160616	US20160050335	20160222
US2016337849 A9	20161117	US20140531118	20141103
US2016366285 AA	20161215	US20160246165	20160824
US2017014716 AA	20170119	US20160278484	20160928
US2017046742 AA	20170216	US20160339600	20161031
US2017165568 AA	20170615	US20170444140	20170227
US7970351 BB	20110628	US20090397225	20090303
US8190119 BB	20120529	US20090616958	20091112
US8295803 BB	20121023	US20110163416	20110617
US8774753 BB	20140708	US20110158151	20110610
US8995923 BB	20150331	US20110093998	20110426
US9055439 BB	20150609	US20120604418	20120905
US9064374 BB	20150623	US20120398727	20120216
US9077564 BB	20150707	US20100958296	20101201
US9179296 BB	20151103	US20120363943	20120201
US9245408 BB	20160126	US20140274192	20140509
US9271054 BB	20160223	US20130834359	20130315
US9439071 BB	20160906	US20150706869	20150507
US9485656 BB	20161101	US20150706894	20150507
US9510148 BB	20161129	US20130834001	20130315
US9586139 BB	20170307	US20120363696	20120201
US9609513 BB	20170328	US20140531118	20141103
US9662571 BA	20170530	US20170444140	20170227
US9675883 BB	20170613	US20150743921	20150618
WO10101940 A2	20100910	WO2010US25949	20100302
WO10101940 A3	20101118	WO2010US25949	20100302
WO12074929 A2	20120607	WO2011US62246	20111128
WO12074929 A3	20120927	WO2011US62246	20111128
WO12149031 A2	20121101	WO2012US35015	20120425
WO12149031 A3	20130117	WO2012US35015	20120425
WO13116756 A1	20130808	WO2013US24479	20130201
WO13116761 A1	20130808	WO2013US24485	20130201
WO13123318 A1	20130822	WO2013US26327	20130215
WO14152618 A2	20140925	WO2014US27537	20140314
WO14152618 A3	20141204	WO2014US27537	20140314
WO14152641 A2	20140925	WO2014US27566	20140314
WO14152641 A3	20141120	WO2014US27566	20140314
WO14152658 A2	20140925	WO2014US27586	20140314
WO14152658 A3	20141113	WO2014US27586	20140314
WO14152677 A2	20140925	WO2014US27606	20140314
WO14152677 A3	20150129	WO2014US27606	20140314
WO14152695 A1	20140925	WO2014US27629	20140314
WO16179188 A1	20161110	WO2016US30600	20160503

Priority:

EP20100749219	20100302	EP20130742893	20130201	US20090397225	20090303
US20090616958	20091112	US20100958296	20101201	US20110093998	20110426
US20110158151	20110610	US20110163416	20110617	US20120363696	20120201
US20120363943	20120201	US20120398727	20120216	US20120452015	20120420
US20120604418	20120905	US20120604501	20120905	US20130834001	20130315
US20130834359	20130315	US20130769053	20130215	US20130944670	20130717
US20130925328	20130624	US20120720695	20121219	US20130838272	20130315
US20140274192	20140509	US20140455559	20140808	US20140577822	20141219
US20150706869	20150507	US20150706894	20150507	US20150743921	20150618
US20150862781	20150923	US20140531118	20141103	US20160050332	20160222
WO2010US25949	20100302	WO2013US24479	20130201	US20160050347	20160222
US20160050352	20160222	US20160050335	20160222	US20160246165	20160824
US20160278484	20160928	US20160339600	20161031	US20170444140	20170227

Probable Assignee: MOBILITIE LLC

Assignee(s): (std): GHARIBJANIAN VARAG ISHKHAN ; JABARA GARY BERNARD ; KARMIS CHRISTOS ; MOBILITIE LLC ; JABARA GARY B ; GHARIBJANIANS GHARIB ; LINDER LLOYD FREDERICK ; SIMON DAVID BRETT ; MOBILITIES LLC ; CHUN ERIC KEITH ; DAVIS BRYON C ; E3 LLC

Assignee(s): E3LLC

Inventor(s): (std): BEST JUSTIN RYAN ; BUCK JONATHAN MASON ; GUIZAR ZABRINA VALENCIA ; JABARA GARY BERNARD ; KARMIS CHRISTOS ; SIMON DAVID BRETT ; LINDER LLOYD FREDERICK ; GHARIBJANIANS GHARIB ; GHARIBJANIAN VARAG ISHKHAN ; DAVIS BRYON C ; CHUN ERIC KEITH ; CHRISTOS KARMIS ; JABARA GARY B

Inventor(s): GARY B JABARA

Agent(s): NGUYEN VAN YEN CHRISTIAN; BELL MARK; DAVIS WRIGHT TREMAINE LLP SEATTLE; MICHAEL J; DAVIS WRIGHT TREMAINE LLP; DONOHUE MICHAEL J ET AL; DONOHUE MICHAEL J

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

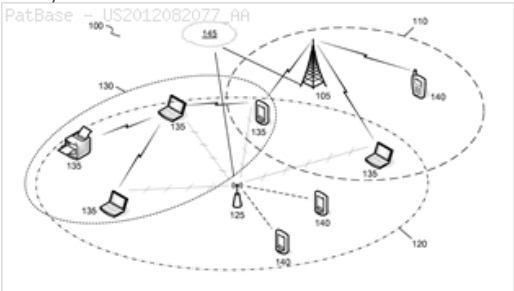
10) Family number: 50899633 (US2012082077A) © PatBase

Title: APPARATUS AND METHODS OF TIME DOMAIN MULTIPLEXING SOLUTIONS FOR IN-DEVICE COEXISTENCE

Abstract: Source: US2012082077A Embodiments of systems and methods for time domain multiplexing solutions for in-device coexistence are generally described herein. Other embodiments may be described and claimed.

Classifications:

International (IPC 8-9): G08B13/196 H04B1/38 H04B1/66 H04B17/00 H04B7/02 H04B7/04 H04B7/0456 H04B7/06 H04B7/14 H04B7/204 H04B7/208 H04B7/26 H04H20/71 H04J11/00 H04J3/00 H04J3/02 H04J3/16 H04K1/10 H04L1/00 H04L1/06 H04L1/18 H04L1/20 H04L12/26 H04L12/28 H04L12/56 H04L25/49 H04L27/26 H04L29/02 H04L29/06 H04L5/00 H04L5/14 H04N21/218 H04N21/2187 H04N21/2343 H04N21/239 H04N21/2543 H04N21/2743 H04N21/414 H04N21/4223 H04N21/472 H04N21/61 H04N21/63 H04N7/18 H04W16/10 H04W16/14 H04W16/20 H04W24/00 H04W24/10 H04W28/26 H04W4/00 H04W4/06 H04W40/24 H04W52/00 H04W52/02 H04W52/36 H04W72/00 H04W72/04 H04W72/06 H04W72/12 H04W74/08 H04W76/02 H04W76/04 H04W8/24 H04W80/00 H04W88/06 H04W88/08 (Advanced/Invention); H04L1/00 H04W52/14 H04W52/34 H04W76/04 H04W8/24 H04W88/06 (Advanced/Non-invention); H04W (Subclass/Invention)



International (IPC 1-7): H04L12/56

CPC: H04L25/03343 H04B7/063 H04L1/0079 H04L5/0007 H04W52/0209 H04B7/024 H04B7/0413 H04B7/0452 H04B7/0482 H04B7/0617 H04B7/0639 H04B7/0652 H04L5/0048 H04L2001/0093 H04L2001/0097 H04W52/146 H04W52/34 H04W52/365 H04W72/1215 H04W8/245 H04W76/048 H04W88/06 H04L5/14 H04L1/1861 H04J3/02 H04N21/2743 G08B13/19656 G08B13/19663 G08B13/19676 G08B13/19684 H04N7/181 H04N21/21805 H04N21/2187 H04N21/2396 H04N21/41407 H04N21/4223 H04N21/6125 H04N21/6175 H04N21/632 G08B13/19695 H04N21/2343 H04N21/2543 H04N21/25435 H04N21/47217 H04B7/0456 H04L1/009 H04L1/20 H04W40/24 H04W72/042 H04W72/0473 Y02B60/50 H04W24/10 H04W72/06

European: H04B7/06C1F1P H04B7/06C1F3C H04L1/00F1 H04L25/03B9 H04W72/12B3 T04L1/00T1 T04L5/00A2A1 T04W76/04T T04W8/24N T04W88/06

US: 1/1 370/252 370/252P 370/254 370/280 370/281 370/311 370/311P 370/312 370/312P 370/312S 370/315 370/315P 370/328 370/328S 370/329 370/329P 370/329S 370/331 370/331S 370/334 370/338 370/341 370/344 370/392 370/464 370/480 375/219 375/219P 375/220 375/224 375/224P 375/240.07 375/260 375/260S 375/267 375/267S 375/295 375/296 375/296S 375/299 375/316 375/340 375/347 375/349 455/101 455/132 455/450 455/452.1 455/500 455/562.1 455/7 455/7S 725/28

Family:

Publication number	Publication date	Application number	Application date
CN102742173 A	20121017	CN201180002696	20110914
CN102742173 B	20151125	CN201180002696	20110914
CN102742193 A	20121017	CN201180002733	20110825
CN103168432 A	20130619	CN201180052581	20111024
CN103168432 B	20160824	CN201180052581	20111024
CN103181102 A	20130626	CN201180053292	20111104
CN103181102 B	20160210	CN201180053292	20111104
CN103181106 A	20130626	CN201180053243	20110825
CN103181106 B	20160210	CN201180053243	20110825
CN103190089 A	20130703	CN201180053418	20110830
CN103190089 B	20170613	CN201180053418	20110830
CN103222205 A	20130724	CN201180058001	20110930
CN103222205 B	20160224	CN201180058001	20110930
CN103222293 A	20130724	CN201180057915	20110930
CN103222293 B	20161207	CN201180057915	20110930
CN103444115 A	20131211	CN201180064384	20111103
CN103444115 B	20170426	CN201180064384	20111103
CN105101174 A	20151125	CN201510440433	20110930
CN106160818 A	20161123	CN201610802578	20111103
EP2622761 A1	20130807	EP20110829953	20110930
EP2622761 A4	20170208	EP20110829953	20110930
EP2622891 A2	20130807	EP20110830046	20110930
EP2622891 A4	20170215	EP20110830046	20110930
EP2636161 A1	20130911	EP20110793882	20110914
EP2636168 A2	20130911	EP20110838891	20111104
EP2636168 A4	20140409	EP20110838891	20111104
EP2636170 A1	20130911	EP20110796599	20110825
EP2636170 A4	20140723	EP20110796599	20110825
EP2652892 A1	20131023	EP20110838394	20110825

EP2652892 A4	20140507	EP20110838394	20110825
EP2652928 A2	20131023	EP20110838395	20110830
EP2666244 A2	20131127	EP20110838470	20111024
EP2666244 A4	20140709	EP20110838470	20111024
HK1212538 A1	20160610	HK20160100142	20160108
TW201230746 A	20120716	TW20110135587	20110930
TW201524171 A	20150616	TW20140137639	20110930
TWI467991 B	20150101	TW20110135587	20110930
TWI587673 B	20170611	TW20140137639	20110930
US2012082077 AA	20120405	US20110077745	20110331
US2012082082 AA	20120405	US20110165946	20110622
US2012082084 AA	20120405	US20110049530	20110316
US2012082100 AA	20120405	US20110029439	20110217
US2012082190 AA	20120405	US20110077905	20110331
US2012113830 AA	20120510	US20110075320	20110330
US2012113839 AA	20120510	US20110168028	20110624
US2012114028 AA	20120510	US20110075023	20110329
US2013148560 AA	20130613	US20130762296	20130207
US2013208648 AA	20130815	US20110521402	20110825
US2013208666 AA	20130815	US20110504921	20110825
US2013250885 AA	20130926	US20110883390	20110914
US2013336305 AA	20131219	US20110883761	20110830
US2014133445 AA	20140515	US20140160931	20140122
US2015109976 AA	20150423	US20140582110	20141223
US2015296241 AA	20151015	US20150749874	20150625
US2016094283 AA	20160331	US20150887499	20151020
US2017155435 AA	20170601	US20160373366	20161208
US8644289 BB	20140204	US20110075320	20110330
US8687727 BB	20140401	US20110075023	20110329
US8711907 BB	20140429	US20110077905	20110331
US8717967 BB	20140506	US20110521402	20110825
US8804593 BB	20140812	US20110165946	20110622
US8817644 BB	20140826	US20110168028	20110624
US8873480 BB	20141028	US20110029439	20110217
US9049735 BB	20150602	US20110049530	20110316
US9197371 BB	20151124	US20110883390	20110914
US9197372 BB	20151124	US20140160931	20140122
US9369749 BB	20160614	US20150749874	20150625
US9525471 BB	20161220	US20150887499	20151020
WO12044902 A1	20120405	WO2011US54166	20110930
WO12045055 A2	20120405	WO2011US54463	20110930
WO12045055 A3	20120705	WO2011US54463	20110930
WO12060733 A1	20120510	WO2011RU000703	20110914
WO12060921 A1	20120510	WO2011US49232	20110825
WO12060922 A1	20120510	WO2011US49237	20110825
WO12060924 A2	20120510	WO2011US49640	20110830
WO12060924 A3	20120628	WO2011US49640	20110830
WO12061053 A2	20120510	WO2011US57435	20111024
WO12061053 A3	20120628	WO2011US57435	20111024
WO12061605 A2	20120510	WO2011US59164	20111103
WO12061605 A3	20120802	WO2011US59164	20111103
WO12061734 A2	20120510	WO2011US59375	20111104
WO12061734 A3	20120705	WO2011US59375	20111104

Priority:

CN201180058001	20110930	CN201180064384	20111103	US20100389080P	20101001
US20110049530	20110316	US20100410740P	20101105	US20110029439	20110217
US20110077745	20110331	US20110077905	20110331	US20110165946	20110622
US20110075023	20110329	US20110075320	20110330	US20110168028	20110624
US20110504921	20110825	US20110519065	20111104	WO2011US49232	20110825
WO2011RU000703	20110914	US20130762296	20130207	WO2011US49237	20110825
WO2011US49640	20110830	WO2011US54166	20110930	WO2011US54463	20110930
US20110521402	20110825	US20110883390	20110914	US20110883761	20110830
US20140160931	20140122	US20140582110	20141223	US20150749874	20150625
US20120519065	20120625	US20150887499	20151020	US20160373366	20161208
WO2011US57435	20111024	WO2011US59375	20111104	WO2011US59164	20111103
WO2011US59357	20111104				

Probable Assignee: INTEL CORP

Assignee(s): (std): AHMADI SASSAN ; BALAKRISHNAN RAVIKUMAR ; CHEN XIAOGANG ; CORDEIRO CARLOS ; DAVYDOV ALEXEI ; LI QINGHUA ; ETEMAD KAMRAN ; INTEL CORP ; HUANG RUI ; DAVYDOV ALEXEI VLADIMIROVICH ; MALTSEV ALEXANDER ALEXANDROVICH ; JAIN PUNEET ; MALTSEV ALEXANDER ; JAIN PUNEET K ; YANG XIANGYING ; VENKATACHALAM MUTHAIAH ; ZHU YUAN ; ZHANG YUJIAN ; QI EMILY ; YANG XUE ; ZHU JING ; YANG RONGZHEN ; WANG PING ; MOROZOV GREGORY VLADIMIROVICH ; SERGEYEV VADIM ; MOROZOV GREGORY ; YAN XIANGYING ; PEEKABOO CORP OF DEEPWATER

Assignee(s): PEEKABOO OF DEEPWATER CORP

Inventor(s): (std): BALAKRISHNAN RAVIKUMAR ; ALEXANDROVICH MALTSEV ALEXANDER ; ZHU YUAN ; ZHANG YUJIAN ; ZHANG YU JIAN ; YANG XIANG YING ; YAN XIANGYING ; SERGEYEV VADIM ; MOROZOV GREGORY VLADIMIROVICH ; MOROZOV GREGORY ; MALTSEV ALEXANDER ALEXANDROVICH ; MALTSEV ALEXANDER ; LI QINGHUA ; JAIN PUNEET K ; JAIN PUNEET ; ETEMAD KAMRAN ; DAVYDOV ALEXEI VLADIMIROVICH ; DAVYDOV ALEXEI ; CHEN XIAOGANG ; Y ZHANG ; XIANGYING YANG ; X YANG ; WANG PING ; RONGZHEN YANG ; J ZHU ; HUANG RUI ; E QI ; AHMADI SASSAN ; CORDEIRO CARLOS ; QI EMILY ; RUSSO JONATHAN ; RUSSO MICHAEL ; RUSSO PAUL M ; YANG RONGZHEN ; YANG XUE ; VLADIMIROVICH MOROZOV GREGORY ; VLADIMIROVICH DAVYDOV ALEXEI ; VENKATACHALAM MUTHAIAH ; ZHU JING ; YANG XIANGYING

Inventor(s): XUE YANG ; JING ZHU ; EMILY QI ; CARLOS CORDEIRO ; YUJIAN ZHANG

Agent(s): HARRISON GODDARD FOOTE LLP; JENNINGS VINCENT LOUIS; HUFTON DAVID ALAN; HUTCHINSON GLENN STANLEY; SCHWEGMAN LUNDBERG AND WOESSNER PA; SCHWABE WILLIAMSON AND WYATT PC; COOL PATENT PC; KACVINSKY DAISAK BLUNI PLLC; THORPE NORTH AND WESTERN LLP; SUGHRUE MION PLLC; VINCENT LESTER J ET AL; KLIUKIN VIACHESLAV ALEXANDROVICH; MAKI NATHAN R; SHUMAKER BRANTLEY C; AUYEUNG ALOYSIUS T C ET AL; MADDEN ROBERT B ET AL; MALLIE MICHAEL J

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 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

11) Family number: 51509445 (US2012182935A) © PatBase

Title: SYSTEM AND METHOD FOR PACKET DISTRIBUTION IN A VEHICULAR NETWORK ENVIRONMENT

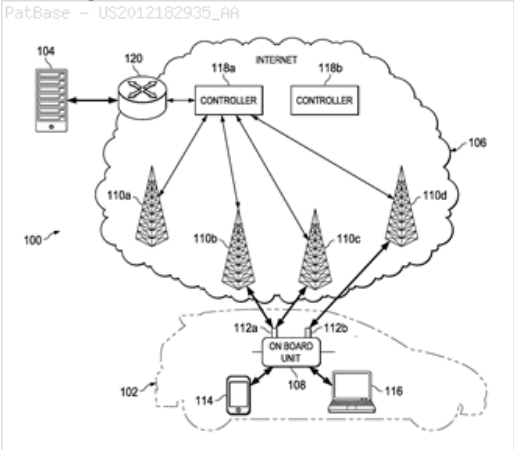
Abstract: Source: US2012182935A A method is provided in one example embodiment that includes receiving a request for data from a source device, such as an on-board unit of vehicle or a mobile device coupled to an on-board unit, over a vehicular network. Location data, such as GPS coordinates, speed, and heading associated with the source device may also be received. A travel path for the source device can be predicted based on the location data, and an access point to the network can be located within range of the travel path. Packets associated with the requested data may be sent to the access point and then forwarded to the source device when the source device is in range.

Classifications:

International (IPC 8-9): B60R16/023 B60W50/10 G01M17/00 G05B15/02 G06F11/30 G06F19/00 G06F21/45 G06F3/01 G06F3/16 G06F7/00 G06F7/04 G06F9/54 G07C5/00 H04J3/18 H04L1/00 H04L12/16 H04L12/26 H04L12/28 H04L12/56 H04L12/721 H04L29/00 H04L29/06 H04L29/08 H04L29/12 H04W12/02 H04W12/04 H04W12/06 H04W12/08 H04W28/02 H04W28/06 H04W4/00 H04W4/02 H04W4/04 H04W4/10 H04W40/02 H04W40/20 H04W48/02 H04W48/06 H04W48/18 H04W52/12 H04W72/04 H04W76/00 H04W8/06 H04W8/08 H04W8/26 H04W80/02 H04W80/04 (Advanced/Invention); H04W28/06 H04W36/08 H04W52/14 H04W52/22 H04W52/24 H04W52/34 H04W84/00 H04W84/12 H04W92/18 (Advanced/Non-invention)

CPC: H04W36/026 H04W64/003 H04W4/02 H04W72/0406 H04W48/06 G06F9/542 H04L43/0811 H04L43/0876 G06F3/017 G06F3/167 H04W12/08 B60W50/10 H04W48/18 H04L63/08 H04L63/107 H04W28/0215 H04W40/20 H04W48/02 H04W12/06 H04W92/18 H04W84/12 G06F21/45 H04W72/0493 H04L12/266 H04L67/32 H04L29/06578 H04W36/08 H04W52/12 H04W52/143 H04W52/225 H04W52/241 H04W52/346 H04W72/042 H04W84/005 H04W8/08 H04W8/26 H04W40/02 H04L45/12 H04L61/2592 B60R16/023 H04L1/008 H04L69/18 H04W4/10 H04W12/02 H04W12/04 H04W76/005 H04W80/02 H04W28/06 H04W8/06 H04W4/00 H04W4/046 H04L67/12 H04L43/0858 H04L51/02

US: 1/1 370/252 370/253 370/259 370/328 370/328P 370/329 370/338 370/351 370/389 370/401 700/17 700/83 701/1 701/29.1 701/29.9 701/30.6 701/31.9 701/32.1 701/32.3 701/32.7 701/33 701/34 701/35 701/36 701/408 709/203 709/217 709/239 713/168 713/192 719/313 726/2 726/6 726/7



Family:

Publication number	Publication date	Application number	Application date
EP2477421 A1	20120718	EP20120150208	20120104
US2012182935 AA	20120719	US20110101801	20110505
US2013301584 AA	20131114	US20130943114	20130716
US2014215491 AA	20140731	US20140242122	20140401
US2014303807 AA	20141009	US20140243304	20140402
US2014380442 AA	20141225	US20140484664	20140912
US2015029987 AA	20150129	US20140485050	20140912
US2015222708 AA	20150806	US20150619247	20150211
US2015264554 AA	20150917	US20150664101	20150320
US8514825 BA	20130820	US20110118024	20110527
US8705527 BA	20140422	US20110104737	20110510
US8718797 BA	20140506	US20110108631	20110516
US8848608 BA	20140930	US20110071367	20110324
US8863256 BA	20141014	US20110014605	20110126
US8903593 BA	20141202	US20110117860	20110527
US8989954 BA	20150324	US20110083305	20110408
US9036509 BA	20150519	US20110118220	20110527
US9083581 BA	20150714	US20110111425	20110519
US9154900 BA	20151006	US20110114659	20110524
US9225782 BB	20151229	US20130943114	20130716
US9277370 BB	20160301	US20140242122	20140401
US9654937 BB	20170516	US20150664101	20150320

Priority:

US20110014605	20110126	US20110071367	20110324	US20110101801	20110505
US20110104737	20110510	US20110108631	20110516	US20110083305	20110408
US20110433138	20110114	US20110433138P	20110114	US20110118024	20110527
US20130943114	20130716	US20110117860	20110527	US20110118220	20110527
US20110111425	20110519	US20110114659	20110524	US20140242122	20140401
US20140243304	20140402	US20140484664	20140912	US20140485050	20140912
US20150619247	20150211	US20150664101	20150320		

Probable Assignee: CISCO TECH INC

Assignee(s): (std): DAI LILLIAN LEI ; MILITO RODOLFO A ; GIRARDOT MARC JEAN PHILIPPE ; LEE ERICK D ; MAINO FABIO R ; LOUKISSAS ALEXANDER ; ERMAGAN VINA ; LEE KEVIN C ; FALAKI MOHAMMAD H ; MONCLUS PERE ; SUDHAAKAR RAGHURAM S ; SUBRAMANIAN VIJAYNARAYANAN ; THUBERT PASCAL ; MOGHE ASHOK K ; SOMERS ROBERT EDWARD ; ZHU XIAOQING ; PAN RONG ; NATARAJAN PREETHI ; NOLL

LANDON CURT ; ADDEPALLI SATEESH K ; BONOMI FLAVIO ; CASAS CHRISTIAN IBARS ; CHEN CHIN JU ; CISCO TECH INC

Assignee(s): CISCO TECHNOLOGY INC

Inventor(s): (std): ADDEPALLI SATEESH K ; BONOMI FLAVIO ; CASAS CHRISTIAN IBARS ; CHEN CHIN JU ; DAI LILLIAN LEI ; ERMAGAN VINA ; FALAKI MOHAMMAND H ; GIRARDOT MARC JEAN PHILIPPE ; LEE ERICK D ; LEE KEVIN C ; LOUKISSAS ALEXANDER ; MAINO FABIO R ; MILITO RODOLFO A ; MOGHE ASHOK K ; MONCLUS PERE ; NATARAJAN PREETHI ; NOLL LANDON CURT ; PAN RONG ; SOMERS ROBERT EDWARD ; SUBRAMANIAN VIJAYNARAYANAN ; SUDHAAKAR RAGHURAM S ; THUBERT PASCAL ; WONG CHIU NGOK ERIC ; ZHU XIAOQING

Agent(s): KAZI ILYA; PATENT CAPITAL GROUP

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

12) Family number: 49451559 (US2013272156A)

© PatBase

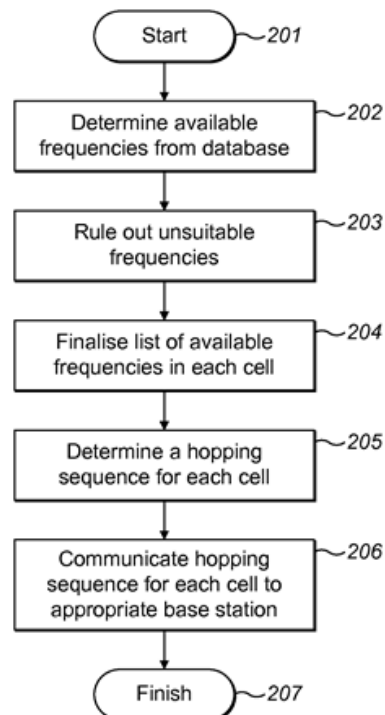
Title: CALIBRATION MODE

Abstract: Source: US2013272156A A communication device for communicating with a plurality of terminals via a series of frames, the communication device being configured to indicate to the terminals, at the commencement of a frame, that communication is to be suspended for the remainder of the frame in order for a calibration to be performed, and to perform said calibration during the remainder of the time allotted to that frame.

Classifications:

International (ipc 8-9): H04B1/38 H04B1/713 H04B1/715 H04B7/04 H04B7/26 H04J3/00 H04L1/00 H04L1/16 H04L1/18 H04L12/18 H04L12/26 H04L12/801 H04L25/06 H04L27/26 H04L29/06 H04L29/08 H04L5/00 H04L5/16 H04L7/00 H04L7/04 H04L7/08 H04W16/10 H04W16/14 H04W16/28 H04W24/02 H04W28/02 H04W28/06 H04W28/14 H04W28/16 H04W28/20 H04W36/00 H04W36/22 H04W4/00 H04W4/04 H04W48/02 H04W48/10 H04W52/02 H04W56/00 H04W64/00 H04W72/00 H04W72/04 H04W72/12 H04W74/02 H04W74/06 H04W74/08 H04W8/18 H04W84/04 (Advanced/Invention); H04B7/26 H04L1/00 H04W12/06 H04W16/14 H04W28/06 H04W4/00 H04W72/08 H04W84/04 H04W88/06 H04W88/10 (Advanced/Non-invention)
CPC: H04W72/046 H04W72/082 H04W72/1242 H04W16/10 H04W72/0453 H04W24/02 H04W72/04 H04W36/0066 H04W56/0015 H04W8/18 H04L5/0032 H04W72/042 H04W4/005 H04L12/1868 H04W28/0236 H04W56/001 H04W28/20 H04W72/048 H04W64/00 H04B1/713 H04L25/061 H04W4/00 H04L7/041 H04L67/28 H04L69/18 H04W12/06 H04W72/1215 H04W88/10 Y04S40/24 H04L27/2656 H04L7/00 H04L7/04 H04L7/08 H04L27/2613 H04W56/00 H04L47/10 H04W36/22 H04W52/0219 H04W52/0238 H04W72/1226 H04W28/065 H04W72/1257 H04W72/1289 H04W88/06 H04L1/1607 H04L1/1825 H04L1/1854 H04L1/1861 H04L2001/0093 H04B7/2656 H04W16/14 H04W72/0446 H04W84/042
US: 1/1 370/235 370/252 370/312 370/328 370/329 370/331 370/336 370/350 375/133 375/317 375/319 455/450 455/452.1

PatBase - US2013272156_AA



Family:

Publication number	Publication date	Application number	Application date
EP2710845 A1	20140326	EP20120720189	20120511
EP2710846 A1	20140326	EP20120725653	20120517
EP2710848 A1	20140326	EP20120726453	20120611
EP2719111 A1	20140416	EP20120718981	20120502
EP2719241 A1	20140416	EP20120727849	20120613
EP2719242 A1	20140416	EP20120723164	20120521
GB201109829 A0	20110727	GB20110009829	20110613
GB201322015 A0	20140129	GB20130022015	20120613
GB201322109 A0	20140129	GB20130022109	20120613
GB201516126 A0	20151028	GB20150016126	20120224
GB2491832 A1	20121219	GB20110009829	20110613
GB2505607 A1	20140305	GB20130022015	20120613
GB2505607 B2	20150909	GB20130022015	20120613
GB2509611 A1	20140709	GB20130022109	20120613
GB2527442 A1	20151223	GB20150016126	20120224
GB2527442 B2	20160720	GB20150016126	20120224
JP2014517638 A2	20140717	JP20140515147	20120611
JP2014517638 T2	20140717	JP20140515147T	20120611
JP2014519782 T2	20140814	JP20140515117T	20120521
JP2014529917 T2	20141113	JP20140515116T	20120517
JP6073300 B2	20170201	JP20140515117T	20120521
JP6108317 B2	20170405	JP20140515147T	20120611
US2013272156 AA	20131017	US20130916972	20130613
US2013272204 AA	20131017	US20130916955	20130613
US2013281102 AA	20131024	US20130916959	20130613
US2014153553 AA	20140605	US20120126066	20120613

US2014177678 AA	20140626	US20120126071	20120613
US2014219092 AA	20140807	US20120126064	20120612
US2014219187 AA	20140807	US20120126073	20120611
US2014219245 AA	20140807	US20120126063	20120612
US2014219268 AA	20140807	US20120126074	20120612
US20142226637 AA	20140814	US20120125849	20120517
US2014241230 AA	20140828	US20120125846	20120502
US2014269550 AA	20140918	US20120126075	20120613
US2014269669 AA	20140918	US20120126069	20120523
US2014295867 AA	20141002	US20120125842	20120510
US2014307834 AA	20141016	US20120126068	20120613
US2014308967 AA	20141016	US20120126072	20120511
US2015080000 AA	20150319	US20120125838	20120530
US8923130 BB	20141230	US20130916955	20130613
US9215617 BB	20151215	US20120126068	20120613
US9301206 BB	20160329	US20120125842	20120510
US9351215 BB	20160524	US20120126064	20120612
US9374753 BB	20160621	US20120126072	20120511
US9374754 BB	20160621	US20120126074	20120612
US9432898 BB	20160830	US20130916959	20130613
US9456438 BB	20160927	US20120125838	20120530
US9544816 BB	20170110	US20120126066	20120613
US9571294 BB	20170214	US20120125846	20120502
US9591540 BB	20170307	US20120126073	20120611
WO12171710 A1	20121220	WO2012EP57970	20120502

Priority:

GB20110009829	20110613	GB20110009830	20110613	GB20110009836	20110613
GB20110009837	20110613	GB20110009840	20110613	GB20110009844	20110613
GB20110009848	20110613	GB20110009850	20110613	GB20110009853	20110613
GB20110009854	20110613	GB20110009863	20110613	GB20110009867	20110613
GB20110009874	20110613	GB20110014420	20110822	GB20110016910	20110930
GB20110015382	20110906	GB20110016909	20110930	GB20110022238	20111223
GB20110015379	20110906	GB20110015996	20110915	GB20120003068	20120222
WO2012EP57973	20120502	GB20110015528	20110613	GB20120003258	20120224
GB20110015527	20110908	GB20110015528	20110908	GB20120004494	20120314
GB20110022247	20111223	GB20110022036	20110506	GB20110022036	20111221
WO2012EP58203	20120504	WO2012EP58191	20120504	WO2012EP59332	20120521
WO2012EP61172	20120613	WO2012EP61149	20120613	WO2012EP59221	20120517
WO2012EP58730	20120511	WO2012EP60978	20120611	WO2012EP61173	20120613
WO2012EP61097	20120612	WO2012EP61104	20120612	WO2012EP61106	20120612
WO2012EP61147	20120613	WO2012EP59566	20120523	WO2012EP58651	20120510
WO2012EP60169	20120530				

Probable Assignee: NEUL LTD

Assignee(s): (std): MACMULLEN NEIL ; NEUL LTD ; NEWTON TIMOTHY ; WEBB WILLIAM ; COLLIER JAMES ; COOMBS ALAN ; YOUNG ROBERT ; NEUIL LTD

Assignee(s): VIB VZW ; KATHOLIEKE UNIVERSITEIT LEUVEN KULEUVEN R AND D ; WILLIAM WEBB

Inventor(s): (std): COLLIER JAMES ; COOMBS ALAN ; MACMULLEN NEIL ; NEWTON TIMOTHY ; ROBERT YOUNG ; WEBB WILLIAM ; YOUNG ROBERT

Inventor(s): WILLIAM WEBB ; TIMOTHY NEWTON

Agent(s): WILLIAMS DAVID JOHN; SASAJIMA FUJIO; BAINWOODHUANG; SLATER AND MATSIL LLP; SLATER MATSIL LLP; BINHAM SARAH JANE

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 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

13) Family number: 49454980 (WO12171711A1)

© PatBase

Title: ACKNOWLEDGEMENT MECHANISM

Abstract: A communication device for communicating with a plurality of terminals via a wireless network, the communication device being configured to, when it has a message to transmit to that plurality of terminals: select, from a multiple of available acknowledgement mechanisms, an acknowledgement mechanism for the terminals to use in acknowledging receipt of the message and communicate the selected acknowledgement mechanism to the plurality of terminals.

Classifications:

International (IPC 8-9): G01D4/00 G01S5/14 G08C17/02 H03D3/00
H04B1/12 H04B1/713 H04B17/00 H04B7/26 H04L1/00 H04L1/16
H04L1/18 H04L25/02 H04L25/06 H04L27/26 H04L27/36 H04L27/38
H04L29/06 H04L29/08 H04L7/00 H04L7/04 H04L7/08 H04W12/06
H04W16/06 H04W16/14 H04W24/02 H04W28/14 H04W28/20
H04W36/22 H04W36/30 H04W36/36 H04W4/00 H04W4/06
H04W48/16 H04W60/00 H04W60/04 H04W64/00 H04W72/04
H04W72/08 H04W72/12 H04W74/08 H04W84/18 H04W88/10
H04W88/12 H04W88/18 (Advanced/Invention);
H04B7/26 H04W16/14 H04W36/16 H04W4/00 H04W52/02
H04W74/02 H04W84/04 H04W84/18 H04W88/10 (Advanced/Non-invention)
CPC: H04W72/0433 H04W72/082 H04W4/06 H04B7/2659 H04W88/12
H04W74/08 H04W72/1242 H04W24/02 H04L5/0032 H04W8/18
H04W56/0015 H04W36/0066 H04W4/005 H04W72/042 H04L12/1868
H04W4/00 H04W56/001 H04W28/20 H04B1/713 H04W64/00
H04W72/048 H04L25/061 H04W72/04 H04L63/126 H04W28/14
H04W72/12 G08C17/02 H04L67/2842 H04W88/18 H04W48/16
H04W84/18 G01S5/14 G01D4/002 H04L7/041 H04L67/28 H04L69/18
H04W12/06 H04W72/1215 H04W88/10 Y04S40/24 H04L47/10

H04W36/22 H04W28/065 H04L27/2656 H04L7/00 H04L7/04 H04L7/08
H04L27/2613 H04W56/00 H04W52/0219 H04W52/0238 H04W72/1226
H04L1/1607 H04L1/1825 H04L1/1854 H04L1/1861 H04L2001/0093
H04B7/2656 H04W16/14 H04W72/0446 H04W84/042
European: H04L1/16F H04L1/18P H04L1/18R11 H04L1/18R7
H04L25/06A H04L7/04B H04W16/14 H04W36/36 H04W64/00
H04W72/04 H04W72/12B H04W72/12B3 T04L1/00T1 T04W16/14
T04W36/16 T04W52/02 T04W72/04F8 T04W72/08B T04W84/04C

PatBase - W012171711_A1

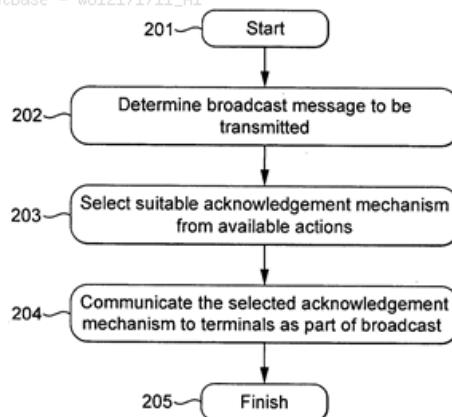


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
GB201109874 A0	20110727	GB20110009874	20110613
GB201114079 A0	20110928	GB20110014079	20110816
GB201114420 A0	20111005	GB20110014420	20110822
GB201115379 A0	20111019	GB20110015379	20110906
GB201115382 A0	20111019	GB20110015382	20110906
GB201115527 A0	20111026	GB20110015527	20110908
GB201115528 A0	20111026	GB20110015528	20110908
GB201115996 A0	20111026	GB20110015996	20110915
GB201115997 A0	20111026	GB20110015997	20110915
GB201116330 A0	20111102	GB20110016330	20110921
GB201116909 A0	20111116	GB20110016909	20110930
GB201116910 A0	20111116	GB20110016910	20110930
GB201122036 A0	20120201	GB20110022036	20110506
GB201122238 A0	20120201	GB20110022238	20111223
GB201122247 A0	20120201	GB20110022247	20111223
GB201203067 A0	20120404	GB20120003067	20120222
GB201203068 A0	20120404	GB20120003068	20120222
GB201203258 A0	20120411	GB20120003258	20120224
GB201204494 A0	20120425	GB20120004494	20120314
GB201209407 A0	20120711	GB20120009407	20120528
GB2491840 A1	20121219	GB20110009874	20110613
GB2491840 B2	20150916	GB20110009874	20110613
GB2491906 A1	20121219	GB20110014420	20110822
GB2491907 A1	20121219	GB20110015379	20110906
GB2491908 A1	20121219	GB20110015382	20110906
GB2491908 B2	20130724	GB20110015382	20110906
GB2491911 A1	20121219	GB20110015527	20110908
GB2491912 A1	20121219	GB20110015528	20110908
GB2491912 B2	20150812	GB20110015528	20110908
GB2491918 A1	20121219	GB20110022238	20111223
GB2491923 A1	20121219	GB20120003067	20120222
GB2491923 B2	20150520	GB20120003067	20120222
GB2491924 A1	20121219	GB20120003068	20120222
GB2491924 B2	20150520	GB20120003068	20120222
GB2492180 A1	20121226	GB20110015996	20110915
GB2492180 B2	20150930	GB20110015996	20110915
GB2492182 A1	20121226	GB20110016909	20110930
GB2492182 B2	20130612	GB20110016909	20110930
GB2492187 A1	20121226	GB20110022247	20111223
GB2492187 B2	20150624	GB20110022247	20111223
GB2492192 A1	20121226	GB20120003258	20120224
GB2492192 B2	20160615	GB20120003258	20120224
GB2492194 A1	20121226	GB20120004494	20120314
GB2492624 A1	20130109	GB20120009407	20120528
GB2494724 A1	20130320	GB20110022036	20111221
GB2494724 A1	20130320	GB20110022036	20110506
GB2494724 B2	20130807	GB20110022036	20111221
GB2494724 B2	20130807	GB20110022036	20110506
WO12171711 A1	20121220	WO2012EP57973	20120502
WO12171715 A1	20121220	WO2012EP58191	20120504
WO12171716 A1	20121220	WO2012EP58203	20120504
WO12171729 A1	20121220	WO2012EP58651	20120510
WO12171731 A1	20121220	WO2012EP58730	20120511
WO12171743 A1	20121220	WO2012EP59221	20120517
WO12171746 A1	20121220	WO2012EP59332	20120521
WO12171763 A1	20121220	WO2012EP59566	20120523
WO12171800 A1	20121220	WO2012EP60169	20120530
WO12171866 A1	20121220	WO2012EP60978	20120611

WO12171902 A1	20121220	WO2012EP61087	20120612
WO12171904 A1	20121220	WO2012EP61092	20120612
WO12171906 A1	20121220	WO2012EP61097	20120612
WO12171908 A1	20121220	WO2012EP61103	20120612
WO12171909 A1	20121220	WO2012EP61104	20120612
WO12171910 A1	20121220	WO2012EP61106	20120612
WO12171931 A1	20121220	WO2012EP61147	20120613
WO12171932 A1	20121220	WO2012EP61149	20120613
WO12171932 A4	20130314	WO2012EP61149	20120613
WO12171944 A1	20121220	WO2012EP61172	20120613
WO12171945 A1	20121220	WO2012EP61173	20120613

Priority:

GB20110009829 20110613	GB20110009830 20110613	GB20110009840 20110613
GB20110009836 20110613	GB20110009844 20110613	GB20110009837 20110613
GB20110009874 20110613	GB20110009850 20110613	GB20110009848 20110613
GB20110009854 20110613	GB20110009863 20110613	GB20110009853 20110613
GB20110009867 20110613	GB20110014079 20110816	GB20110015996 20110915
GB20110016330 20110921	GB20110015382 20110906	GB20110014420 20110822
GB20110015527 20110908	GB20110015528 20110908	GB20110015379 20110906
GB20110015997 20110915	GB20110016910 20110930	GB20120003068 20120222
GB20110016909 20110930	GB20120003067 20120222	GB20120003258 20120224
GB20110022238 20111223	GB20110022247 20111223	GB20110022036 20110506
GB20120009407 20120528	GB20120004494 20120314	

Probable Assignee: NEUL LTD

Assignee(s): (std): COLLIER JAMES ; COOMBS ALAN ; MACMULLEN NEIL ; NEUL LTD ; NEWTON TIMOTHY ; WEBB WILLIAM ; YOUNG ROBERT

Inventor(s): (std): COLLIER JAMES ; COOMBS ALAN ; MACMULLEN NEIL ; NEWTON TIMOTHY ; ROBERT YOUNG ; WEBB WILLIAM ; YOUNG ROBERT

Inventor(s): WILLIAM WEBB ; TIMOTHY NEWTON ; NEIL MACMULLEN ; JAMES COLLIER

Agent(s): BINHAM SARAH JANE; BINHAM SARAH JANE ET AL; SLINGSBY PHILIP ROY

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 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 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

14) Family number: 58453360 (US2016212754A)

© PatBase

Title: DATA BANDWIDTH MANAGEMENT SYSTEM AND METHOD

Abstract: Source: US2016212754A A system for managing and allocating data bandwidth to a client device comprising a monitoring and traffic management module disposed within the client device, the monitoring and traffic management module arranged to monitor data usage on the client device; and a data traffic manager operable allocate data bandwidth to the client device and receive a request from the monitoring and traffic management module; the request including an instruction to the data traffic manager to allocate a suitable data bandwidth to the client device depending on data usage. The invention is conveniently suited for use in telecommunications system and does not require modifications to be made to existing telecommunications system.

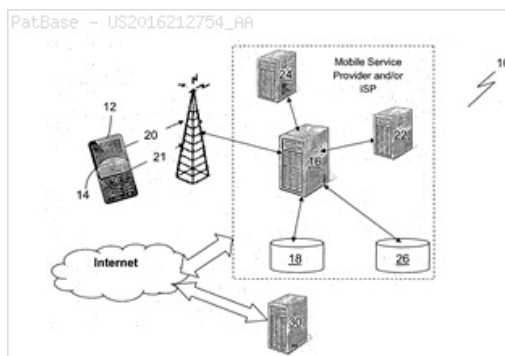
Classifications:

International (IPC 8-9): H04L12/801 H04L29/06 H04L29/08 H04W24/08 H04W28/02 H04W28/20 H04W4/00 H04W4/24 H04W72/04 H04W72/08 H04W72/10 H04W88/02 H04W88/06 (Advanced/Invention)

CPC: H04W4/001 H04W24/08 H04W72/087 H04W28/0215

H04W72/0453 H04W72/10 H04W28/20 H04L67/306

US: 370/230



Family:

Publication number	Publication date	Application number	Application date
AR097113 AA	20160217	AR2014P102828	20140729
AU2014296861 AA	20150205	AU20140296861	20140725
CA2918252 AA	20160113	CA20142918252	20140725
CN105409284 A	20160316	CN201480041313	20140725
CO7570476 A2	20160408	CO20160004219	20160108
EP3028499 A1	20160608	EP20140832948	20140725
EP3028499 A4	20170308	EP20140832948	20140725
IN11939DN2015 A	20160506	IN2015DN11939	20151230
JP2016532366 T2	20161013	JP20160531585T	20140725
KR20160037155 A	20160405	KR20167000145	20140725
MX2016001309 A1	20160817	MX20160001309	20140725
PH2016500089 A	20160418	PH20160500089	20160113
SG11201600209V A1	20160226	SG20161100209	20140725
SG2013057476 A1	20150227	SG20130057476	20130729
TW201519674 A	20150516	TW20140125712	20140728
US2016212754 AA	20160721	US20140908344	20140725
WO15016774 A1	20150205	WO2014SG00350	20140725

Priority:

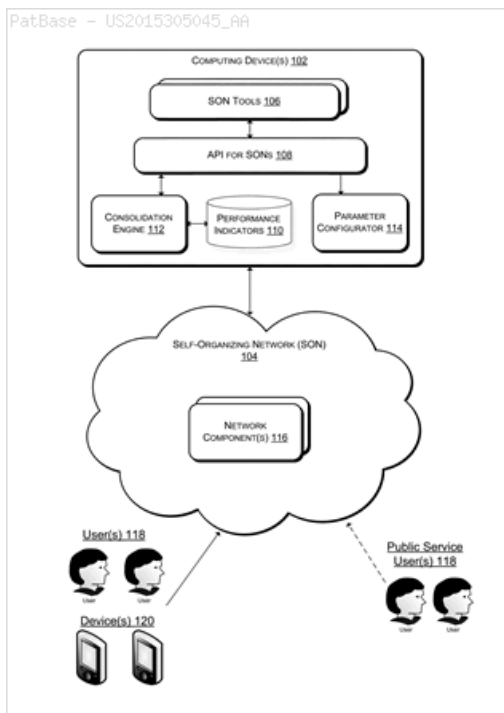
SG20130005747 20130729 SG20130057476 20130729 WO2014SG00350 20140725
WO2013SG05747 20130729 SG20161100209 20140725

Probable Assignee: CHIKKA PTE LTD**Assignee(s):** (std): CHIKKA PTE LTD**Assignee(s):** GARROVILLO JOSEPH MICHAEL C ; MENDIOLA DENNIS**Inventor(s):** (std): GARROVILLO JOSEPH MICHAEL C ; JOSEPH MICHAEL C GARROVILLO ; MENDIOLA DENNIS ; MICHAEL C GARROVILLO ; DENNIS MENDIOLA ; GARROVILLO JOESPH**Inventor(s):** GARROVILLO JOESPH MICHAEL C**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SMART AND BIGGAR; CAROLINA MERCEDES DAZA MONTALVO; HESS PETER K G; YUSARN AUDREY**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**15) Family number: 60605831 (US2015305045A)**

© PatBase

Title: RESOURCE ALLOCATION FOR SELF-ORGANIZING NETWORKS

Abstract: Source: US2015305045A A self-organizing network includes one or more tools. Such tools may be configured to determine, based on one or more performance indicators, that network usage in a first portion of a frequency spectrum satisfies a first usage threshold of the first portion. Such tools may also be configured to transition, in response to the determining, the plurality of users from the first portion to a second portion of the frequency spectrum different from the first portion. Such tools may further be configured to hinder the plurality of users from returning to the first portion from the second portion.

Classifications:**International (IPC 8-9):** H04W24/00 H04W72/04 H04W72/08 H04W84/18 (Advanced/Invention)**CPC:** H04W84/18 H04W72/087 H04W72/0453 H04W24/02**US:** 370/329**Family:**

Publication number	Publication date	Application number	Application date
CN106465366 A	20170222	CN201580019477	20150414
EP3132641 A1	20170222	EP20150779917	20150414
US2015305045 AA	20151022	US20140255859	20140417
WO15160758 A1	20151022	WO2015US25684	20150414

Priority:

US20140255859 20140417 WO2015US25684 20150414

Probable Assignee: T MOBILE USA INC**Assignee(s):** (std): T MOBILE USA INC**Assignee(s):** DEUTSCHE BANK NEW YORK BRANCH ADMINISTRATIVE AGENT AG AS ; DEUTSCHE TELEKOM AG**Inventor(s):** (std): TAPIA PABLO**Agent(s):** GRUENECKER PATENT U RECHTSANWAELTE PARTG MBB; PECK ROBERT C 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 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

Title: BEARING CALCULATION

Abstract: Source: US2016377695A There is provided an apparatus comprising a location receiver to receive a signal indicative of a location of the location receiver. A movement mechanism rotates the location receiver about an axis and provides an angle of the location receiver about the axis from a known point. Calculation circuitry produces an output value indicative of an absolute bearing of the known point about the axis, based on a plurality of given angles of the location receiver about the axis from the known point, and a plurality of associated locations of the location receiver indicated by the signal received when the location receiver is at each of the given angles.

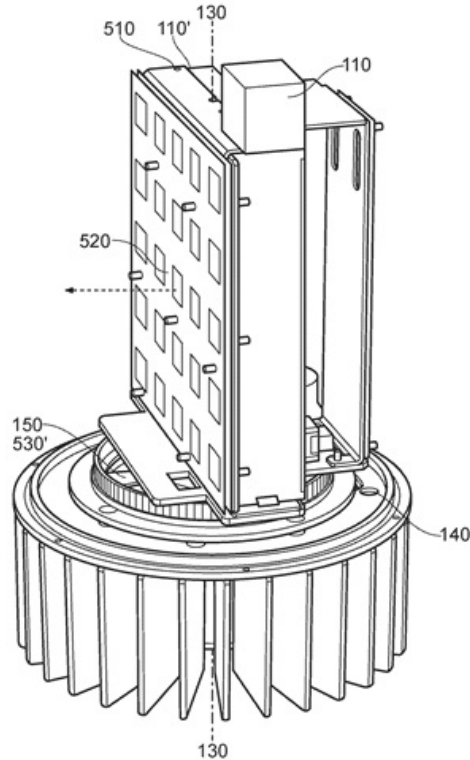
Classifications:

International (IPC 8-9): F16M11/06 G01S19/14 G01S19/23 G01S19/24 G01S19/40 G01S19/53 G01S3/04 G01S3/14 G01S3/24 G01S5/02 H01Q1/02 H01Q1/12 H01Q1/22 H01Q1/24 H01Q1/36 H01Q1/42 H01Q1/50 H01Q21/00 H01Q21/20 H01Q21/24 H01Q3/00 H01Q3/02 H01Q3/04 H01Q3/08 H01Q3/10 H01Q3/12 H01Q3/24 H01Q3/26 H01Q3/36 H01Q3/40 H01R35/04 H02G11/02 H04B7/04 H04B7/06 H04B7/08 H04L12/24 H04L12/26 H04L29/08 H04W16/28 H04W24/02 H04W24/08 H04W24/10 H04W28/02 H04W28/24 H04W4/00 H04W40/22 H04W40/24 H04W48/06 H04W64/00 H04W72/04 H04W72/08 H04W84/18 H04W88/04 (Advanced/Invention); H04B7/02 H04W84/04 (Advanced/Non-invention)

CPC: G01S19/24 H01Q3/02 H01Q1/36 H01Q1/1207 H01Q1/42 H01Q3/12 H04W16/28 H01Q21/00 H04W84/02 H01Q3/04 H04W40/22 F16M11/06 H04W28/0236 H01Q1/02 H04W72/085 H01Q1/1228 H01Q21/24 H04B7/0456 H04L41/0806 H04L67/34 H04L67/18 H04W4/001 H01Q1/246 H01Q1/50 H01Q3/10 H04W72/042 H04W24/08 H04W48/06 H04L43/0829 H04W28/24 H04W28/0268 H04W24/10 G01S19/14 G01S19/23 G01S19/40 H01Q3/08 H01Q1/22 H01R35/04 G01S3/24 H04W84/18 H04W40/246 H01Q3/40 H01Q3/2605 H01Q3/00 H04W88/08 H04B7/02 G01S3/043 H04L41/12 H04L43/0888 H04W24/02 H04W24/04 G01S3/14 G01S5/0247 G01S19/53 H01Q3/24 H01Q21/08 H01Q21/205 H01Q25/002 H01Q25/005 H04B7/0617 H04B7/0621 H04B7/0691 H04B7/0695 H04B7/0817 H04B7/086 H04B7/0874 H04B7/088 H04L41/0816 H04W28/0284 H04W84/045 H04W88/04 H05K7/20 H01Q1/1257 H01Q3/26 H01Q3/2611 H01Q3/36 H01Q21/065 H01Q21/28 H02G11/02

US: 248/274.1 342/357.63 343/853 343/872 370/252 370/254 455/562.1

PatBase - US2016377695_AA

**Family:**

Publication number	Publication date	Application number	Application date
GB201511200 A0	20150812	GB20150011200	20150625
GB201514938 A0	20151007	GB20150014938	20150821
GB201515091 A0	20151007	GB20150015091	20150825
GB201515093 A0	20151007	GB20150015093	20150825
GB201516901 A0	20151111	GB20150016901	20150924
GB201518654 A0	20151202	GB20150018654	20151021
GB201519216 A0	20151216	GB20150019216	20151030
GB201519220 A0	20151216	GB20150019220	20151030
GB201519228 A0	20151216	GB20150019228	20151030
GB201519237 A0	20151216	GB20150019237	20151030
GB201519272 A0	20151216	GB20150019272	20151030
GB201519273 A0	20151216	GB20150019273	20151030
GB2539722 A1	20161228	GB20150014938	20150821
GB2539723 A1	20161228	GB20150015091	20150825
GB2539724 A1	20161228	GB20150015093	20150825
GB2539727 A1	20161228	GB20150016901	20150924
GB2539730 A1	20161228	GB20150018654	20151021
GB2539730 A8	20170111	GB20150018654	20151021
GB2539731 A1	20161228	GB20150019216	20151030
GB2539732 A1	20161228	GB20150019220	20151030
GB2539733 A1	20161228	GB20150019228	20151030
GB2539734 A1	20161228	GB20150019237	20151030
GB2539735 A1	20161228	GB20150019272	20151030
GB2539736 A1	20161228	GB20150019273	20151030
US2016377695 AA	20161229	US20160186900	20160620
US2016380349 AA	20161229	US20160187159	20160620
US2016380350 AA	20161229	US20160186955	20160620
US2016380353 AA	20161229	US20160187188	20160620
US2016380354 AA	20161229	US20160186134	20160617
US2016380355 AA	20161229	US20160187680	20160620
US2016380363 AA	20161229	US20160187515	20160620
US2016381570 AA	20161229	US20160182209	20160614
US2016381574 AA	20161229	US20160187574	20160620
US2016381585 AA	20161229	US20160187570	20160620
US2016381590 AA	20161229	US20160187602	20160620
US2016381591 AA	20161229	US20160187616	20160620
WO16207588 A1	20161229	WO2016GB51195	20160428

WO16207589 A1	20161229	WO2016GB51205	20160428
WO16207590 A1	20161229	WO2016GB51234	20160429
WO16207591 A1	20161229	WO2016GB51285	20160505
WO16207592 A1	20161229	WO2016GB51360	20160512
WO16207593 A1	20161229	WO2016GB51411	20160517
WO16207596 A1	20161229	WO2016GB51428	20160518
WO16207597 A1	20161229	WO2016GB51433	20160518
WO16207601 A1	20161229	WO2016GB51615	20160602
WO16207602 A1	20161229	WO2016GB51617	20160602
WO16207603 A1	20161229	WO2016GB51618	20160602
WO16207610 A1	20161229	WO2016GB51759	20160614

Priority:

GB20150011200 20150625	GB20150014938 20150821	GB20150015093 20150825
GB20150016901 20150924	GB20150015091 20150825	GB20150018654 20151021
GB20150019237 20151030	GB20150019220 20151030	GB20150019272 20151030
GB20150019228 20151030	GB20150019216 20151030	GB20150019270 20151030
GB20150019273 20151030		

Probable Assignee: AIRSPAN NETWORKS INC

Assignee(s): (std): AIRSPAN NETWORKS INC ; BOZIER MICHELE FRANCES ; DUDZINSKI KRZYSTOF ; DUDZINSKI KRZYSZTOF ; LOGOTHETIS ANDREW ; LYSEJKO MARTIN ; EVA JONATHAN ANTHONY ; ELSON DAVID CHARLES ; PARROTT STUART ; TERRY KEVIN ANDREW ; SARAO HONEY KANWAR SINGH

Inventor(s): (std): ANDREW LEGOTHETIS ; ANDREW LOGOTHETIS ; BOZIER MICHELE FRANCES ; DAVID CHARLES ELSON ; DUDZINSKI KRZYSTOF ; DUDZINSKI KRZYSZTOF ; ELSON DAVID CHARLES ; EVA JONATHAN ANTHONY ; HONEY KANWAR SINGH SARAO ; JONATHAN ANTHONHY EVA ; KEVIN ANDREW TERRY ; KRZYSZTOF DUDZINSKI ; LOGOTHETIS ANDREW ; LYSEJKO MARTIN ; MARTIN LYSEJKO ; MICHELE FRANCES BOZIER ; PARROTT STUART ; SARAO HONEY KANWAR SINGH ; STUART PARROT ; STUART PARROTT ; TERRY KEVIN ANDREW

Inventor(s): JONATHAN ANTHONY EVA

Agent(s): HORNER DAVID; BOYD ALAN; MALDEN NICHOLAS

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 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