

Search history

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Title: ELECTRONIC BOOK ALTERNATIVE DELIVERY SYSTEMS

Abstract: The invention, an electronic book selection and delivery system (200), distributes text to subscribers (258). The system contains an operations center (250), a video distribution system (208) or a variety of alternative distribution systems, a home subsystem (258), and a billing and collection system. The operations center (250) and/or distribution points (1020) perform the functions of manipulation of text data, security and coding of text, cataloging of books, message center, and uplink functions. The home subsystem (258) connects to a video distribution system (208) or variety of alternative distribution systems, generates menus and stores text, and transacts through communicating mechanisms (611, 613, 617). A portable book-shaped viewing device (266) is used for viewing the text. The billing system (278) performs the transaction, management, authorization, collection and payments utilizing the telephone system (274) or a variety of alternative communication systems.

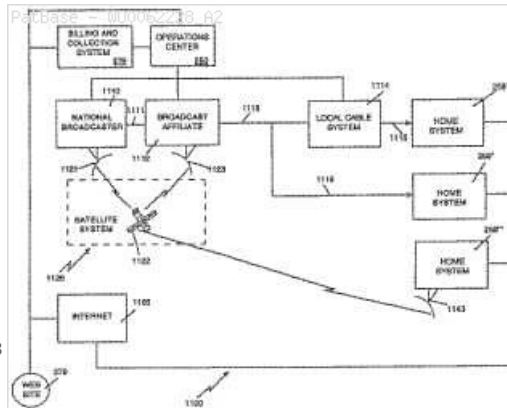
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H04N21/81 H04N5/44 H04N5/76 H04N7/173 (Advanced/Invention);
H04N7/16 (Advanced/Non-invention);
G06F17/30 G06Q30/00 G06Q50/00 H04N5/44 H04N5/76
H04N7/173 (Core/Invention);
H04N7/16 (Core/Non-invention)

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European: G06F17/30W7 H04N21/235 H04N21/2543 H04N21/431L3
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Family:

Publication number	Publication date	Application number	Application date
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CA2369759 AA	20011003	CA20002369759	20000411
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MXPA01010300 A1	20020918	MX2001PA10300	20000411
WO0062228 A2	20001019	WO2000US09541	20000411
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Priority:

US1990289957 19990413 WO2000US09541 20000411

Probable Assignee: DISCOVERY COMMUNICAT INC

Assignee(s): (std): DISCOVERY COMMUNICAT INC

Assignee(s): DISCOVERY COMMUNICATIONS INC ; DISCOVERY COMMUNICATIONS LLC ; HENDRICKS JOHN S ; MCCOSKEY JOHN S ; ADREA LLC ; ASMUSSEN MICHAEL L

Inventor(s): (std): MCCOSKEY JOHN S ; HENDRICKS JOHN S ; ASMUSSEN MICHAEL L

Inventor(s): JOHN S MCCOSKEY ; JOHN S HENDRICKS ; MICHAEL L ASMUSSEN

Agent(s): RICHES MCKENZIE AND HERBERT LLP; NAKANISHI MOTOHARU; ONO SHINJIRO; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO

Designated states: AE AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CR CU CY CZ DE DK DM EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LV MA MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: RECONFIGURABLE MOBILE DEVICE INTERFACES SUPPORTING AUTHENTICATED HIGH-QUALITY VIDEO, AUDIO, TV AND MULTIMEDIA SERVICES

Abstract: Source: US2007191070A A method and apparatus for reconfiguring the audio and video interfaces of mobile devices is described. A system for configuring various surfaces of a mobile device for performing additional functions such as utilizing the front and reverse side of a mobile device with reconfigurable larger displays for enhancing the visual experience for various applications such as in video, TV and medical imaging is described. A system for command and control of a media center with a mobile device is disclosed. A method for multi-channel processing of audio and video information over mobile devices is described. A method for biometrically authorizing and delivering of copy right content to mobile devices is disclosed.

Classifications:

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International (IPC 1-7): H04B1/38 H04M11/00

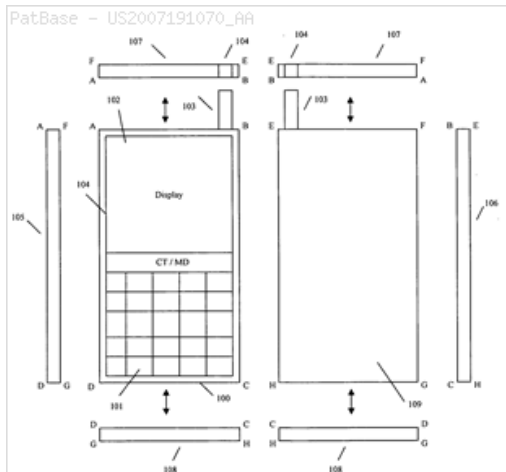
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US: 1/1 128/920 235/386 340/12.5 340/286.01 340/286.02 340/286.020P 340/539.12 340/870.07 345/168 345/173 348/207.1 348/333.05 348/64 361/679.55 370/328 370/334 370/338 370/352 370/389 379/110.01 379/433.12 379/90.01 379/93.12 398/115 398/115P 455/39 455/39S 455/414.1 455/418 455/418P 455/419 455/420 455/426.1 455/436 455/436P 455/445 455/525 455/525S 455/550.1 455/552.1 455/552.100S 455/553.1 455/556.1 455/556.100P 455/557 455/563 455/564 455/564S 455/565 455/565P 455/566 455/566P 455/566S 455/575.1 455/575.3 455/90.3 600/300 600/300P 600/300S 600/301 600/323 600/323P 600/365 600/368 600/368P 600/372 600/391 600/504 600/509 600/523 604/290 604/290P 604/503 604/504 607/17 607/3 607/31 607/32 607/3P 607/5 607/59 607/6 607/60 607/7 607/7S 702/188 705/12 705/15 705/2 705/26.4 705/26.400P 705/26.62 705/27.1 705/27.100P 705/27.2 705/3 706/52 706/52P 709/200 709/201 709/203 709/204 709/206 709/207 709/208 709/213 709/217 709/220 709/220P 709/227 709/227S

Family:

Publication number	Publication date	Application number	Application date
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US2008129465 AA	20080605	US20070805610	20070523
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Probable Assignee: IP HOLDINGS INC

Assignee(s): (std): RAO RAMAN K ; RAO RAMAN KALIPUTNAM ; RAO SANJAY K ; RAO SUNIL K ; RAO REKHA K ; RAO SUNIL KALIPUTNAM ; RAO SANJAY KALIPUTNAM ; RAO REKHA ; IP HOLDINGS INC ; IP HOLDINGS INC ; RAO LEGAL REPRESENTATIVE REKHA K ; RAO REKHA K

Assignee(s): RAO RAJNI ; SMART MOBILE INC

Inventor(s): (std): RAO LEGAL REPRESENTATIVE REKHA K ; RAO RAMAN K ; RAO REKHA K ; RAO SANJAY K ; RAO SUNIL K ; RAO SUNIL KALIPUTNAM ; RAO SUNIL ; RAO SANJAY KALIPUTNAM ; RAO REKHA KALIPUTNAM ; RAO REKHA ; RAO RAMAN KALIPUTNAM ; RAO RAMAN ; RAO RAJNI

Agent(s): COURTNEY STANIFORD AND GREGORY LLP; CARR AND FERRELL LLP; STEPHEN E; LEVINE BAGADE HAN LLP; LEVINE BAGADE HAN LLP; FITZPATRICK CELLA HARPER AND SCINTO; GREGORY RICHARD L ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC 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

Title: HEADEND CHERRYPICKER WITH DIGITAL VIDEO RECORDING CAPABILITY

Abstract: Source: US2002019984A A system for wireless remote control of a gateway and ordering or invocation of services provided by a headend. The remote control includes a video display and user input device or keyboard and can decompress and display compressed streaming video in some embodiments. Some species of the remote control can act as web browsers, appliance control, TIVO function control, an IP telephony telephone, a cellular telephone and/or an MP3 player. In some embodiments, the gateway and/or headend can implement TIVO-like functions under control from a wireless remote of custom design or implemented on a Personal Digital Assistant.

Classifications:

International (IPC 8-9): G06T9/00 G08B13/196 G08B15/00 G08C17/02 G08C23/04 H04B7/185 H04L12/28 H04L12/64 H04L12/66 H04L29/06 H04N21/222 H04N21/2665 H04N21/436 H04N5/00 H04N5/445 H04N5/76 H04N7/173 H04N7/20 H04N7/24 (Advanced/Invention);

H04N5/44 H04N5/76 H04N5/781 H04N7/16 H04N9/804 (Advanced/Non-invention);

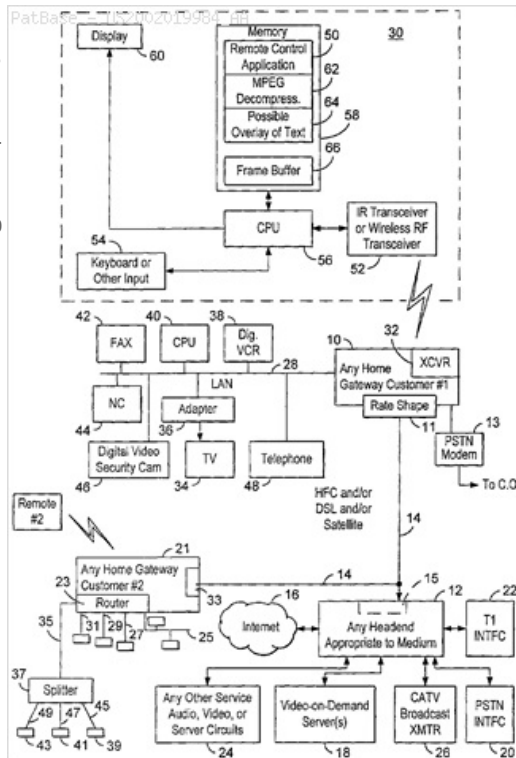
G08B13/194 G08B15/00 H04B7/185 H04L12/28 H04L12/64 H04L12/66 H04L29/06 H04N7/173 (Core/Invention)

International (IPC 1-7): G06F13/00 G06F15/16 G06F3/00 G08C19/00 G08C19/12 H04J1/00 H04L H04L12/46 H04L12/66 H04L17/02 H04L29/06 H04N5/44 H04N5/445 H04N5/781 H04N7/173 H04N7/18

CPC: G06T9/007 H04N21/2343 H04N21/2385 H04N21/2402 H04N21/235 H04N21/23614 H04N21/435 H04N21/472 H04N21/4882 H04N21/6125 G08B13/19667 H04L69/08 H04L69/16 H04L69/168 H04L69/169 H04L12/2801 H04L12/289 H04N21/4147 G08B13/19656 G08B13/19658 G08B13/19684 G08C17/02 G08C23/04 G08C2201/41 G08C2201/93 H04B7/18584 H04L12/6418 H04L12/66 H04L29/06 H04L2012/6424 H04N5/4401 H04N5/44582 H04N5/7605 H04N5/781 H04N7/173 H04N7/17318 H04N7/17336 H04N9/8042 H04N21/222 H04N21/2665 H04N21/4126 H04N21/43615 H04N21/4381 H04N21/443 H04N21/4622 H04N21/47202 H04N21/4782 H04N21/64322 H04L12/2834 H04N21/4786 H04N21/42204 H04N5/76 H04N21/2221 H04N21/2381 H04N21/2396 H04N21/41407 H04N21/47211 H04N21/47214 H04N21/6168 H04N21/6175 H04N2005/4407 H04N2005/441 H04N2005/4414

European: G06T9/00T G08B13/196N1 G08B13/196N2 G08B13/196S1 G08B13/196U3 G08B15/00B G08C17/02 G08C23/04 H04B7/185S8 H04L12/28B H04L12/28H5B H04L12/28P1D2B2 H04L12/64B H04L12/66 H04L29/06 H04L29/06J H04L29/06J17 H04L29/06J19 H04N21/222 H04N21/222H H04N21/2343 H04N21/235 H04N21/236W H04N21/2381 H04N21/2385 H04N21/239H1 H04N21/24D H04N21/2665 H04N21/4147 H04N21/414M H04N21/41P5 H04N21/422R H04N21/435 H04N21/436H H04N21/438D H04N21/443 H04N21/462S H04N21/472 H04N21/472D H04N21/472P H04N21/472R H04N21/4782 H04N21/4786 H04N21/488M H04N21/61D3 H04N21/61U2 H04N21/61U3 H04N21/643P H04N5/445R H04N5/76 H04N7/173 H04N7/173B2 H04N7/173B4 S08C201/410 S08C201/930 T04L12/64B2 T04L29/06E T04L29/06J T04N21/462S T04N5/44N T04N5/44R2B T04N5/44R2D2 T04N5/44R2F2 T04N5/76B T04N5/781 T04N9/804B Y02B70/32B8 Y04S20/22F

US: 341/173 341/176 348/734 348/734P 348/E05.006 348/E05.008 348/E05.103 348/E05.108 348/E07.069 348/E07.071 348/E07.073 348/E5.006 348/E5.008 348/E5.103 348/E5.108 348/E50.06S 348/E51.03S 348/E51.08S 348/E7.069 348/E7.071 348/E7.073 348/E70.69 348/E70.69S 348/E70.71S 348/E70.73S 370/386 370/386P 370/486 370/486S 375/E07.019 375/E07.024 375/E7.019 375/E7.024 375/E70.19S 709/246 709/247 715/716 725/100 725/101 725/103 725/104 725/111 725/111P 725/111S 725/114 725/116 725/119 725/119P 725/119S 725/120 725/120P 725/133 725/133S 725/138 725/141 725/144 725/146 725/37 725/37S 725/43 725/71 725/78 725/78S 725/8 725/80 725/80S 725/81 725/81S 725/82 725/82S 725/85 725/85S 725/87 725/88 725/88S 725/91 725/93 725/95 725/96

**Family:**

Publication number	Publication date	Application number	Application date
AT313196 E	20051215	AT20010660004T	20010112
AU2001268562 AA	20020108	AU20010268562	20010618
AU2001271337 AA	20020708	AU20010271337	20010618
AU200171337 A5	20020108	AU20010071337	20010618
DE60115727 D1	20060119	DE20016015727	20010112
DE60115727 T2	20060817	DE20016015727T	20010112
EP1117214 A2	20010718	EP20010660004	20010112
EP1117214 A3	20010912	EP20010660004	20010112
EP1117214 B1	20051214	EP20010660004	20010112
US2002019984 AA	20020214	US20010898681	20010703
US2002031120 AA	20020314	US20010898728	20010703
US2002044225 AA	20020418	US20010898642	20010703
US2002059637 AA	20020516	US20010898675	20010703
US2004172658 AA	20040902	US20030731310	20031208
US6678740 BA	20040113	US20000602303	20000623
US6857132 BA	20050215	US20000602512	20000623
US6889385 BA	20050503	US20000602265	20000623
US6970127 BB	20051129	US20010898642	20010703
US7089577 BA	20060808	US20000602779	20000623
US8151306 BB	20120403	US20010898728	20010703
WO0201318 A2	20020103	WO2001US19562	20010618
WO0201318 A3	20020704	WO2001US19562	20010618
WO0201781 A2	20020103	WO2001US19552	20010618
WO0201781 A3	20020404	WO2001US19552	20010618
WO03005320 A2	20030116	WO2002US20958	20020701
WO03005320 A3	20030306	WO2002US20958	20020701
WO03005713 A1	20030116	WO2002US20841	20020701
WO03005714 A1	20030116	WO2002US21067	20020701
WO03005723 A1	20030116	WO2002US20989	20020701

Priority:

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US20000602779	20000623	US20000602303	20000623	US20000602512	20000623
WO2001US19562	20010618	WO2001US19552	20010618	US20030731310	20031208
US20010898728	20010703	US20010898681	20010703	US20010898675	20010703

Probable Assignee: GOOGLE TECHNOLOGY HOLDINGS LLC**Assignee(s):** (std): TERAYON COMM SYSTEMS INC ; RAKIB SELIM SHLOMO**Assignee(s):** TERAYON COMMUNICATIONS SYSTEMS INC ; TERAYON COMMUNICATION SYSTEMS INC ; MOTOROLA MOBILITY LLC ; FISH RONALD CRAIG ; GENERAL INSTRUMENT CORP ; GENERAL INSTRUMENT HOLDINGS INC ; GOOGLE TECHNOLOGY HOLDINGS LLC ; HENKEL KOMANDIGESSELHCHAFT AUF AKTIEN HENKELSTRASSE**Inventor(s):** (std): SELIM SHLOMO RAKIB ; RAYMOND FABRICE MICHEL ; RAKIB SELIM SHLOMO ; QUINARD FABRICE MICHEL RAYMOND ; MONTA PETER ALBERT ; FISH RONALD CRAIG**Inventor(s):** FABRICE MICHEL RAYMOND ; PETER ALBERT MONTA**Agent(s):** RONALD CRAIG; RONALD CRAIG FISH A LAW CORP; FISH RONALD CRAIG; RC FISH LAW CORP; THELEN REID AND PRIEST LLP**Designated states:** AT AU BE BG BR CA CH CN CY CZ DE DK EE ES FI FR GB GR IE IT JP KR LI LU MC MX NL PT SE SK TR

Title: ENHANCED WIRELESS PACKET DATA COMMUNICATION SYSTEM, METHOD, AND APPARATUS APPLICABLE TO BOTH WIDE AREA NETWORKS AND LOCAL AREA NETWORKS

Abstract: Source: US2004131125A A cellular wireless packet data communication system containing transmit-only endpoint devices which transmit to receive-only base stations. The system is configured to allow for large area coverage (e.g., a metropolitan area) with far fewer number base stations than are required with conventional two-way cellular systems. The base station coverage areas are configured to overlap, allowing for reception of packets at multiple base stations. A data concentrator resolves redundantly received messages. The network is configurable as a WAN, a LAN, or a combination of the two. Novel modulation techniques (e.g., a 16QAM submodulation together with a 7FSK modulation) are used such that low cost components can be used in the transmitters and receivers while achieving outstanding probability of success performance. The endpoint devices are battery operated and accordingly, are designed for low power consumption and multi-year battery life. The system is used in a variety of applications including remote monitoring and mobile communications.

Classifications:

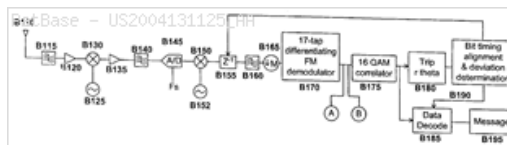
International (IPC 8-9): G01S1/00 H03B21/00 H03L7/08 H03L7/14 H04B17/00 H04B7/185 H04J1/00 H04L12/26 H04L23/02 H04L25/03 H04L25/06 H04L25/49 H04L27/00 H04L27/10 H04L27/12 H04L27/233 H04L27/32 H04L27/34 H04L27/36 H04L27/38 H04L5/06 H04L5/12 H04L5/16 H04Q7/30 H04W16/00 H04W24/00 H04W24/08 H04W36/08 H04W72/04 H04W74/08 H04W84/18 (Advanced/Invention); H04W84/18 (Advanced/Non-invention)

International (IPC 1-7): H04L23/02 H04L27/34 H04L5/12

CPC: H03B21/00 H04W36/08 H03L7/08 H04W72/0426 H04L5/06 H04L5/16 H04L25/061 H04L25/4902 H04L25/4921 H04L27/12 H04L27/2331 H04L27/32 H04L27/34 H04L27/3433 H04L27/3483 H04L27/364 H04L27/38 H04L27/3845

European: H04L25/06A H04L25/49A H04L25/49M1Q H04L27/12 H04L27/233A H04L27/32 H04L27/34 H04L27/34C3C1 H04L27/34E3S H04L27/36B3 H04L27/38 H04L27/38N H04L5/06 H04L5/16

US: 1/1 327/106 327/156 342/357.06 342/357.12 342/357.15 342/357.62 370/329 370/343 370/343P 375/224 375/259 375/259P 375/261 375/261P 455/456.5 455/456.6 455/525



Family:

Publication number	Publication date	Application number	Application date
AT411685 E	20081015	AT20020736494T	20020329
AU2002309496 AA	20021015	AU20020309496	20020329
CA2442821 AA	20030929	CA20022442821	20020329
CA2442821 C	20160816	CA20022442821	20020329
CA2704030 AA	20021010	CA20022704030	20020329
CA2704030 C	20150127	CA20022704030	20020329
CA2704035 AA	20021010	CA20022704035	20020329
CA2704035 C	20130108	CA20022704035	20020329
CA2704039 AA	20021010	CA20022704039	20020329
CA2704039 C	20131112	CA20022704039	20020329
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CA2818517 AA	20021010	CA20022818517	20020329
CA2818517 C	20160906	CA20022818517	20020329
DE60229370 D1	20081127	DE20026029370	20020329
EP1382172 A1	20040121	EP20020736494	20020329
EP1382172 A4	20051228	EP20020736494	20020329
EP1382172 B1	20081015	EP20020736494	20020329
ES2312581 T3	20090301	ES20020736494T	20020329
PT1382172 T	20090121	PT20020736494T	20020329
US2004131125 AA	20040708	US20030662530	20030916
US2007071114 AA	20070329	US20060562716	20061122
US2009103509 AA	20090423	US20080340272	20081219
US2013195040 AA	20130801	US20130740806	20130114
US2014320182 AA	20141030	US20140329333	20140711
US7477694 BB	20090113	US20030662530	20030916
US7705777 BB	20100427	US20060562716	20061122
US8374228 BB	20130212	US20080340272	20081219
US9094022 BB	20150728	US20130740806	20130114
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WO20080483 A1	20021010	WO2002US06674	20020329

Priority:

CA20022442821	20020329	CA20022704030	20020329	CA20022704035	20020329
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Probable Assignee: M AND FC HOLDING LLC

Assignee(s): (std): ADVANCED METERING DATA COMM SY ; ADVANCED METERING DATA SYSTEMS ; ADVANCED METERING DATA SYSTEMS L L C ; AXONN L L C ; BOUDREAUX GORDON J ; BROWN MICHAEL R ; ADVANCED METERING DATA SYSTEMS LLC ; SANDERFORD H BRITTON ; ROUQUETTE ROBERT E ; NADEN GARY A ; REED MARC L ; M AND FC HOLDING LLC ; SANDERFORD JR H BRITTON ; SENSUS USA INC ; SENSUS SPECTRUM LLC

Assignee(s): INVENSYS METERING SYSTEMS NORTH AMERICA INC (TO BE RENAMED SENSUS METERING SYSTEMS NORTH AMERICA INC) ; INVENSYS METERING SYSTEMS NORTH AMERICA INC TO BE RENAMED SENSUS METERING SYSTEMS NORTH AMERICA INC ; INVENSYS METERING SYSTEMS NORTH AMERICA INC TO BE ; M AND FC HOLDING LLC N K A SENSUS SPECTRUM LLC ; SMITH BLAIR INC ; CREDIT SUISSSE SECOND LIEN COLLATERAL AGENT AG AS ; INVENSYS METERING SYSTEMS NORTH AMERICA INC (TO BE ; M AND FC HOLDING LLC (N K A SENSUS SPECTRUM LLC) ; SANDERFORD H ; CREDIT SUISSSE ; CREDIT SUISSSE CAYMAN ISLANDS BRANCH AS COLLATERAL ; CREDIT SUISSSE CAYMAN ISLANDS BRANCH COLLATERAL AGE ; CREDIT SUISSSE FIRST LIEN COLLATERAL AGENT AG AS ;

BOUDEAUX GORDON J ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; AXONN LLC ; ADVANCED METERING DATA COMM SYSTEMS L L C ; ADVANCED METERING DATA COMM SYSTEMS LLC ; ADVANCED METERING DATA COMMUNICATION SYSTEMS LLC

Inventor(s): (std): BOUDREAUX GORDON ; BOUDREAUX GORDON J ; BROWN MICHAEL ; BROWN MICHAEL R ; NADEN GARY ; NADEN GARY A ; READ MARC L ; REED MARC ; REED MARC L ; ROUQUETTE ROBERT ; ROUQUETTE ROBERT E ; SANDERFORD H ; SANDERFORD H BRITTON ; SANDERFORD JR H BRITTON ; SANDERFORD H BRITTON JR ; BOUDEAUX GORDON J

Inventor(s): ROBERT E ROUQUETTE ; MICHAEL R BROWN ; MARC L REED ; H BRITTON SANDERFORD ; GORDON J BOUDREAUX ; GARY A NADEN

Agent(s): OGILVY RENAULT LLP SENCRL SRL; NORTON ROSE FULBRIGHT CANADA LLP SENCRL SRL; NORTON ROSE CANADA SENCRL SRL LLP; POULIN GERARD ET AL; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP; OBLON MCCLELLAND MAIER AND NEUSTADT LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ OM PH PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Title: PRIVATE **CELLULAR NETWORK** WITH A PUBLIC NETWORK INTERFACE AND A WIRELESS LOCAL AREA NETWORK EXTENSION

Abstract: Source: US2003139180A A communication system (100) and method for coupling a wireless local area network (WLAN 128) to a public network (102) to enable communication between User Equipment terminals (UEs 130) associated with the WLAN and the public network. The public network (102) can include a GSM (110) and/or a 3G-network (114). The WLAN (128) can include a HiperLAN, HiperMAN, or 802.11 network. Preferably, the communication is voice communication, and the system (100) is configured to enable the UEs (130) to access supplementary services provided by the public network (102). Subscriber and security information for the UEs (102) can be provided to the public network (102) from a SIM (134) associated with each UE, or from an identity module (138) comprising either a private memory with information stored therein, or a card holder/reader holding cards with subscriber and security information for one or more UEs. Optionally, the system (100) further includes a private **cellular network** (122) the WLAN (128) also enables communication between the UEs (130) and the private **cellular network**.

Classifications:

International (ipc 8-9): H04B7/14 H04L12/28 H04L12/56 H04L29/06 H04W16/18 H04W4/00 H04W84/12 H04W92/02 (Advanced/Invention); H04W12/00 H04W84/04 H04W84/12 H04W88/04 (Advanced/Non-invention);

H04L12/28 H04L12/56 H04L29/06 (Core/Invention);

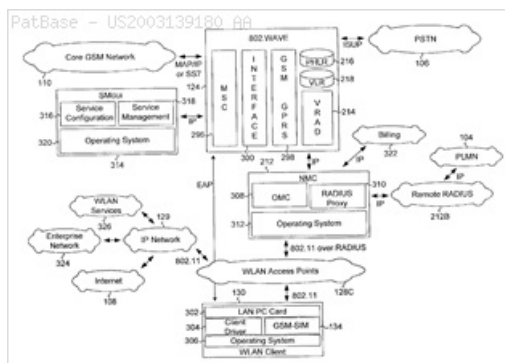
H04W12/00 H04W84/02 H04W88/00 (Core/Non-invention)

International (ipc 1-7): H04B1/38 H04B7/15 H04L12/46 H04L29/02 H04M1/00 H04Q7/20 H04Q7/22 H04Q7/24

CPC: H04L63/062 H04L63/0853 H04L63/162 H04W88/08 H04W12/06 H04W84/04 H04W84/042 H04W88/04 H04W16/18 H04W4/18 H04W84/12 H04W88/06 H04W88/10 H04W92/02

European: H04L29/06C6B H04L29/06C6C2 H04L63/08E H04W88/10 T04L63/06B T04W12/06 T04W212/00 T04W284/04 T04W284/04C T04W284/12 T04W288/04 T04W4/18 T04W50/04 T04W50/04C T04W50/065 T04W52/023 T04W6/00 T04W84/04 T04W84/04C T04W84/12 T04W88/04 T04W88/06 T04W88/08

US: 370/338 370/338P 455/15 455/20 455/426 455/426.1 455/426.100P 455/554 455/555 455/555



Family:

Publication number	Publication date	Application number	Application date
CN1434610 A	20030806	CN20021021810	20020607
CN1643816 A	20050720	CN20038006480	20030124
US2003139180 AA	20030724	US20020126250	20020419
US2005088999 AA	20050428	US20040893611	20040715
US2012264422 AA	20121018	US20120454455	20120424
US2016277940 AA	20160922	US20160166796	20160527
US8184603 BB	20120522	US20040893611	20040715
WO03063404 A2	20030731	WO2003US02284	20030124
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Priority:

US20020126250	20020419	US20020351764P	20020124	US20020353815P	20020131
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Probable Assignee: COMMSCOPE TECHNOLOGIES LLC

Assignee(s): (std): COMMSCOPE TECH LLC ; MCINTOSH CHRIS P ; LU PRISCILLA MARILYN ; JAIN RAHUL ; INTERWAVE COMMUNICATIONS INC ; INTERWAVE COMM INC ; LGC WIRELESS LLC ; COMMSCOPE TECHNOLOGIES LLC ; CHANDRA RUPAK ; WAYLETT NICHOLAS S

Assignee(s): TYCO ELECTRONICS SERVICES GMBH ; COMMSCOPE EMEA LTD ; JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; PARTNERS FOR GROWTH LP ; PARTNERS FOR GROWTH ; ADC TELECOMMUNICATIONS INC ; ALVARION INC ; ALVARION LTD ; ALVARION MOBILE INC ; LGC WIRELESS INC ; INTERWAVE COMMUNICATION INC ; INTERWAVE ADVANCED COMMUNICATIONS INC

Inventor(s): (std): CHANDRA RUPAK ; CHINDELA R ; JAIN RAHUL ; LU P M ; LU PRISCILLA MARILYN ; MARILYN LU PRISCILLA ; MCINTOSH CHRIS P ; MECINTOS C P ; RAHUL JAIN ; RUPAK CHANDRA ; WAYLETT NICHOLAS S ; R CHINDELA ; PM LU ; CP MECINTOS

Inventor(s): C P MECINTOS ; P M LU ; WAYLETT NICHOLAS ; MCINTOSH CHRIS

Agent(s): DORSEY AND WHITNEY LLP, INTELLECTUAL PROPERTY DEPARTMENT; DORSEY AND WHITNEY LLP INTELLECTUAL PROPERTY DEPARTMENT; FOGG AND POWERS LLC

Designated states: AT BE BG CH CN CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR

Title: TELECOMMUNICATIONS INFRASTRUCTURE LINKAGE METHOD AND SYSTEM

Abstract: Source: US2004121729A A mobile communications infrastructure platform includes a networking module that includes a plurality of inputs and outputs and a POTS line connection; a **satellite** module coupled to the networking module for uplinking and downlinking a **satellite** datastream with a communications **satellite**; a video module for providing a video datastream to the networking module; and a wireless telecommunications module bidirectionally coupled to the networking module for receiving telecom data from and transmitting telecom data to the networking module. The wireless telecommunications module includes a VOIP interface coupled to the networking module, a land mobile radio coupled to the VOIP interface, and a private **cellular network**. The mobile platform provides a bi-directional patch or link between disparate communications equipment and protocols at a site and to off-site wireless radio equipment. It also provides on-site high quality video capabilities and video streaming to off-site locations, including from an emergency site to a command center.

Classifications:

International (ipc 8-9): H04B7/185 (Advanced/Invention);
H04B7/185 (Core/Invention)

International (ipc 1-7): H04B7/185 H04Q7/20

CPC: H04B7/18582 H04B7/18591

European: H04B7/185S14 H04B7/185S6

US: 455/12.1 455/13.1 455/429

PatBase - US2004121729_AA

Patent Application Publication Jun. 24, 2004 Sheet 1 of 11 US 2004/0121729 A1

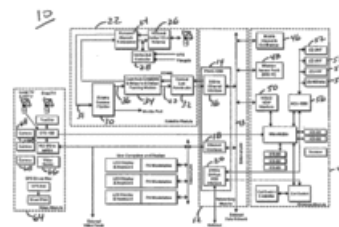


Figure 1 - System Block Diagram

Family:

Publication number	Publication date	Application number	Application date
US2004121729 AA	20040624	US20030691643	20031024

Priority:

US20020420680P 20021024 US20030691643 20031024

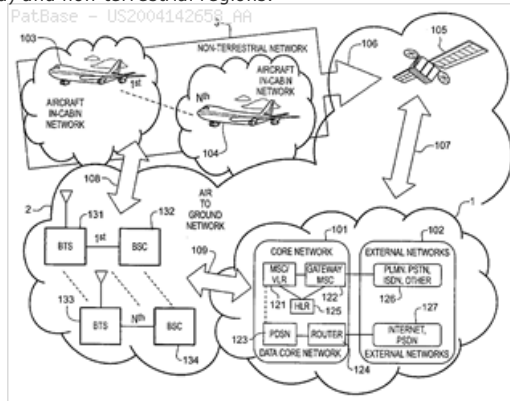
Probable Assignee: SECRETARY OF NAVY AS US GOV

Assignee(s): HERNDON CHRIS ; RUPAR MIKE ; SECRETARY OF NAVY AS US GOV ; SECRETARY OF NAVY US

Inventor(s): (std): HERNDON CHRIS ; RUPAR MIKE

Abstract: Source: US2004142658A The present non-terrestrial feature transparency system spoofs the Air-to-Ground Network and the ground-based cellular communication network into thinking that the wireless subscriber devices have no special considerations associated with their operation, even though the wireless subscriber devices are located on an aircraft in flight. This architecture requires that the non-terrestrial feature transparency system on board the aircraft replicate the full functionality of a given wireless subscriber device, that has a certain predetermined feature set from a ground-based wireless service provider, at another wireless subscriber device located within the aircraft. This mirroring of wireless subscriber device attributes enables a localized cell for in-cabin communication yet retains the same wireless subscriber device attributes for the air-to-ground link. The Air-to-Ground Network transmits both the subscriber data (comprising voice and/or other data) as well as feature set data between the Aircraft in-Cabin Network and the ground-based cellular communication network to thereby enable the wireless subscriber devices that are located in the aircraft to receive consistent wireless communication services in both the terrestrial (ground-based) and non-terrestrial regions.

International (IPC 8-9): H01Q1/24 H01Q1/28 H01Q1/32 H04B10/00
H04B7/15 H04B7/185 H04L12/28 H04L12/56 H04Q7/20 H04W4/00
H04W84/00 (Advanced/Invention);
H04W16/24 H04W36/08 H04W76/02 H04W84/04
H04W84/06 (Advanced/Non-invention)
International (IPC 1-7): H04B7/15 H04B7/185
CPC: H01Q1/007 H01Q1/246 H01Q1/28 H01Q1/32 H04B7/18506
H04B7/18508 H04W76/025 H04W84/005 H04W84/06
European: H01Q1/00E H01Q1/24A3 H01Q1/28 H01Q1/32
H04B7/185B4 H04B7/185B4B H04W84/00M T04W76/02M T04W84/06
US: 398/115 455/11.1 455/11.100P 455/12.1 455/12.100S 455/430
455/431 455/456.3



Publication number	Publication date	Application number	Application date
US2004142658 AA	20040722	US20030730329	20031207
US7113780 BB	20060926	US20030730329	20031207

US19920847920	19920306	US19930027333	19930308	US20000686923	20001011
US19990379825	19990824	US19970960183	19971029	US19960709417	19960906
US20030730329	20031207				

Assignee(s): AC HOLDCO INC (SUCCESSOR IN INTEREST TO AC HOLDCO ; AIRCELL INT INC ; AC HOLDCO INC SUCCESSOR IN INTEREST TO AC HOLDCO L ; AC HOLDCO INC (SUCCESSOR IN INTEREST TO AC HOLDCO LLC) ; AC HOLDCO INC SUCCESSOR IN INTEREST TO AC HOLDCO LLC ; JOCHIM KENNETH JOSEPH ; VARADACHARI ANAND K ; MCKENNA DANIEL BERNARD ; CRUZ JOSEPH ; LIU DANDAN ; SAROKA HAROLD GRANT ; AIRCELL LLC ; AIRCELL LLC A DELAWARE LTD ; SPECTRALABS TECHNOLOGIES LLC ; AIRCELL LLC A DELAWARE LIABILITY CO LTD ; GOGO LLC ; MORGAN STANLEY SENIOR FUNDING INC ; AC ACQUISITION I LLC ADMINISTRATIVE AGENT AS ; AC ACQUISITION I LLC AS ADMINISTRATIVE AGENT ; AC BIDCO LLC ; AC HOLDCO INC ; AIRCELL AVIATION INC ; AIRCELL INT

Agent(s): PATTON BOGGS LLP

Title: SYSTEM FOR INTEGRATING AN AIRBORNE WIRELESS **CELLULAR NETWORK** WITH TERRESTRIAL WIRELESS **CELLULAR NETWORKS** AND THE PUBLIC SWITCHED TELEPHONE NETWORK

Abstract: The present non-terrestrial feature transparency system spoofs the Air-to-Ground Network and the ground-based cellular communication network into thinking that the wireless subscriber devices have no special considerations associated with their operation, even though the wireless subscriber devices are located on an aircraft in flight. This architecture requires that the non-terrestrial feature transparency system on board the aircraft replicate the full functionality of a given wireless subscriber device, that has a certain predetermined feature set from a ground-based wireless service provider, at another wireless subscriber device located within the aircraft. The Air-to-Ground Network transmits both the subscriber data (comprising voice and/or other data) as well as feature set data to thereby enable the wireless subscriber devices that are located in the aircraft to receive consistent wireless communication services.

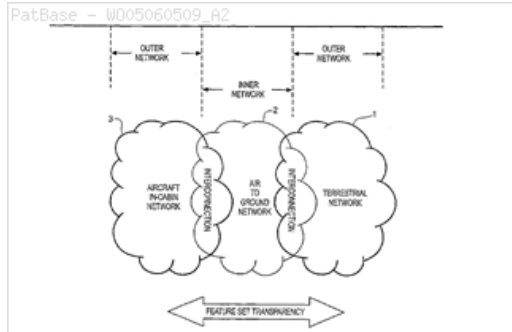
Classifications:

International (IPC 8-9): H01Q1/24 H01Q1/28 H01Q1/32 H04B7/15 H04B7/185 H04B7/26 H04L12/28 H04L12/46 H04L12/56 H04M3/00 H04W4/00 H04W84/00 (Advanced/Invention); H04W16/24 H04W36/08 H04W76/02 H04W84/04 H04W84/06 (Advanced/Non-invention); H04B (Subclass/Invention)

International (IPC 1-7): H04B7/15 H04B7/185

CPC: H04B7/18506 H01Q1/007 H01Q1/246 H01Q1/28 H01Q1/32 H04B7/18508 H04W76/025 H04W84/005 H04W84/06

European: H01Q1/00E H01Q1/24A3 H01Q1/28 H01Q1/32 H04B7/185B4 H04B7/185B4B H04W84/00M T04W76/02M T04W84/06



Family:

Publication number	Publication date	Application number	Application date
AT553550 E	20120415	AT20040812004T	20041123
AU2004304908 AA	20050707	AU20040304908	20041123
AU2004304908 BB	20081204	AU20040304908	20041123
CA2548319 AA	20060606	CA20042548319	20041123
CA2548319 C	20160216	CA20042548319	20041123
CN1914829 A	20070214	CN200480041374	20041123
CN1914829 B	20160120	CN200480041374	20041123
EP1695457 A2	20060830	EP20040812004	20041123
EP1695457 A4	20101006	EP20040812004	20041123
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ES2385331 T3	20120723	ES20040812004T	20041123
HK1094627 A1	20120831	HK20070101754	20070214
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IN02468CN2006 A	20070608	IN2006CN02468	20060705
IN238432 B	20100212	IN2006CN02468	20060705
JP2007519314 T2	20070712	JP20060543853T	20041123
MXPA06006441 A1	20060823	MX2006PA06441	20041123
WO05060509 A2	20050707	WO2004US39392	20041123
WO05060509 A3	20051013	WO2004US39392	20041123

Priority:

US20030730329 20031207 WO2004US39392 20041123

Probable Assignee: AIRCELL INC

Assignee(s): (std): GOGO LLC ; AIRCELL INC ; AIRCELL LLC

Assignee(s): AIRCELL LLC280 - 1172 CENTURY DRIVEBUILDING BLOUISVILLECO80027US ; AIRCELL INC280 - 1172 CENTURAY DRIVEBUILDING BLOUISVILLECO80027US ; JOCHIM KENNETH JOSEPH ; LIU DANDAN ; MCKENNA DANIEL BERNARD ; CRUZ JOSEPH ; LIU DANDAN6659-35TH AVE.MONTREALQ1H1T 3A6CA ; GOGO LLC500 - 1250 N. ARLINGTON HEIGHTS ROADITASCAIL60143US ; SAROKA HAROLD GRANT ; VARADACHARI ANAND K ; N A

Inventor(s): (std): CRUZ JOSEPH ; DANDAN MCKENNA DANIEL B CRUZ J ; JOCHIM KENNETH ; JOCHIM KENNETH JOSEPH ; LIU DANDAN ; MCKENNA DANIEL ; MCKENNA DANIEL BERNARD ; SAROKA HAROLD ; SAROKA HAROLD GRANT ; VARADACHARI ANAND ; VARADACHARI ANAND K

Inventor(s): VARADACHARI ANAND KUS ; ANAND K VARADACHARI ; SAROKA HAROLD GRANTUS ; MCKENNA DANIEL BERNARDUS ; MCKENNA DANIEL B ; LIU DANDAN6659-35TH AVE.MONTREALQ1H1T 3A6CA ; JOCHIM KENNETH JOSEPHUS ; JOSEPH CRUZ ; KENNETH JOSEPH JOCHIM ; DANIEL BERNARD MCKENNA ; HAROLD GRANT SAROKA ; CRUZ JOSEPHUS ; DANDAN LIU

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD; SMART AND BIGGAR; BIBBY WILLIAM MARK; CARVAJAL Y ISABEL; ONO SHINJIRO; SHAMOTO ICHIO; NISHIYAMA FUMITOSHI; KOBAYASHI YASUSHI; TOMITA HIROYUKI; CHIBA AKIO

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: INFORMATION DEVICE

Abstract: Source: US2005152517A A device for obtaining, storing and displaying information from a remote server, the device has a modern for establishing communication sessions with the remote server. A memory coupled to the modern stores the obtained information, and a display is coupled to the memory for displaying the stored information. The device automatically and periodically communicates with the remote server for obtaining the information.

Classifications:

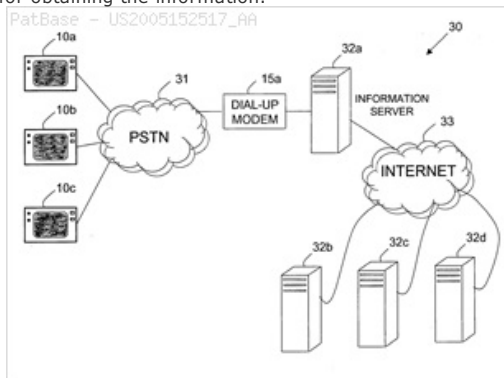
International (IPC 8-9): G06F12/00 G06F13/38 G06F15/16
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H04L29/08 H04M1/00 H04M11/00 H04M11/08 H04N5/44 H04N5/775
H04N5/93 H04N7/16 H04N7/173 H04N7/18 H04N9/64 H04W4/02
H04W40/00 H04W84/12 H04W88/06 H05K7/10 (Advanced/Invention);
G06F15/16 H02J7/02 H04M11/00 (Advanced/Non-invention);
G06F12/00 G06F13/38 G06F15/16 G06F3/033 H04B3/00 H04L12/66
H04M1/00 H04M11/00 H04M11/08 H04N7/16 H04N7/173
H04N7/18 (Core/Invention);
G06F15/16 (Core/Non-invention);
G06F (Subclass/Invention)

International (IPC 1-7): G06F H04M11/00

CPC: H04L67/10 H04L67/02 H04L65/60 H04L67/06 H04L12/66

European: H04L12/66

US: 320/115 320/115S 345/204 345/204P 348/720 348/720S
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379/93.17 379/93.170P 379/93.170S 386/230 386/230P 386/353 386/353S 386/E5.028 386/E5.07 386/E50.28S 386/E50.70S
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725/106 725/106S 725/110 725/110P 725/110S 725/111 725/111P 725/111S 725/112 725/112S 725/131 725/131P 725/62
725/83 725/83P 725/85 725/85S



Family:

Publication number	Publication date	Application number	Application date
IL159838 A0	20040620	IL20040159838	20040113
US2005152517 AA	20050714	US20040017060	20041221
US2007124418 AA	20070531	US20060506907	20060821
US2009129570 AA	20090521	US20090358571	20090123
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US2009160831 AA	20090625	US20090358638	20090123
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US2009182840 AA	20090716	US20090408111	20090320
US2009198795 AA	20090806	US20090372023	20090217
US2010115564 AA	20100506	US20100687501	20100114
US2010115571 AA	20100506	US20100687326	20100114
US2010199317 AA	20100805	US20100693881	20100126
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US2011270951 AA	20111103	US20110173893	20110630
US2011311033 AA	20111222	US20110222371	20110831
US2011317823 AA	20111229	US20110222607	20110831
US2012201508 AA	20120809	US20120450101	20120418
US2016373519 AA	20161222	US20160253915	20160901

Priority:

IL20040159838	20040113	US20040017060	20041221	US20090358551	20090123
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US20110163179	20110617	US20160253915	20160901		

Probable Assignee: YEHUDA BINDER

Assignee(s): (std): BINDER YEHUDA ; MAY PATENT LTD ; MAY PATENTS ; MAY PATENTS LTD ; SERCONET LTD ; YEHUDA BINDER

Inventor(s): (std): BINDER YEHUDA

Agent(s): BROWDY AND NEIMARK PLLC 624 NINTH STREET NW

Title: MULTIFUNCTION-ADAPTABLE, MULTICOMPONENT DEVICES

Abstract: Source: US2005185398A Devices with modular components have interchangeable parts that create and convert functional items to the same items having different features or to different items. Lamps, urns, planters, pots, containers and pedestals have modular, quick take-apart capabilities and may be reassembled with similar parts and/or additional or different parts. Multi-functional adaptability is provided, and these devices may include diverse electrical and electronic functions, including entertainment, communications, sensing, security, safety, environmental and other functions. Multiple electronic features could include receivers, transmitters, **antennas**, alarms, motion detectors, timers, device control and scent releasing functions. **LAN**, WAN, Internet, and other wired and wireless capabilities may be integrated into these devices.

Classifications:

International (IPC 8-9): A01G9/02 B01D46/00 B65D6/00 F21L4/00 F21S2/00 F21S6/00 F21S8/00 F21V15/01 F21V19/02 F21V33/00 G06Q50/00 H04M11/04 H05K5/00 (Advanced/Invention); F21V33/00 H05K5/00 (Core/Invention)

International (IPC 1-7): B01D46/00 F21S2/00

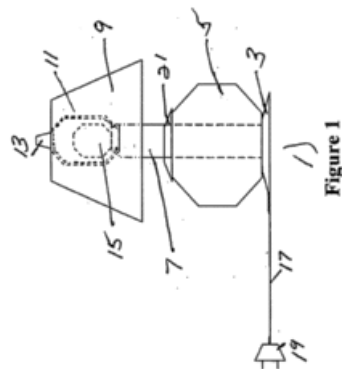
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European: A01G9/02 A47G7/06 A62B99/00 F21S6/00D F21S6/00S F21V33/00 G06F19/34L1 G06Q50/22 G08B17/00 G08B21/14 G08B21/24 G08B25/00S G08B25/01B G08B25/10 G08B7/06P H05B37/02B6R R21W121/00

US: 220/4.01 361/730 362/154 362/190 362/227 362/253 362/362 362/368 362/382 362/418 455/404.1 96/417

PatBase - US2005185398_AA

Patent Application Publication Aug. 25, 2005 Sheet 1 of 50 US 2005/0185398 A1



Family:

Publication number	Publication date	Application number	Application date
US2005185398 AA	20050825	US20050062039	20050218
US2005188853 AA	20050901	US20050101066	20050407
US2006154642 AA	20060713	US20050218948	20050902
US2007230197 AA	20071004	US20070801016	20070508
US2007268687 AA	20071122	US20070801106	20070508
US2009073694 AA	20090319	US20080283221	20080910
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WO07027660 A3	20071115	WO2006US33650	20060829

Priority:

US20040545939P 20040220	US20040560908P 20040410	US20050062039 20050218
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Probable Assignee: GLYNNTECH INC

Assignee(s): (std): GLYNNTECH INC ; INSIGNIO TECHNOLOGIES INC ; SCANNELL ROBERT F ; SCANNELL ROBERT F JR

Assignee(s): SCANNELL ROBERT FJR

Inventor(s): (std): SCANNELL ROBERT F JR ; SCANNELL ROBERT F ; SCANNELL JR ROBERT F

Inventor(s): SCANNELL ROBERT FJR ; SCANNELL ROBERT

Agent(s): KENNETH P GLYNN ESQ; KENNETH P GLYNN; DEIRDRA M MEAGHER

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR 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 MG MK ML MN MR 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

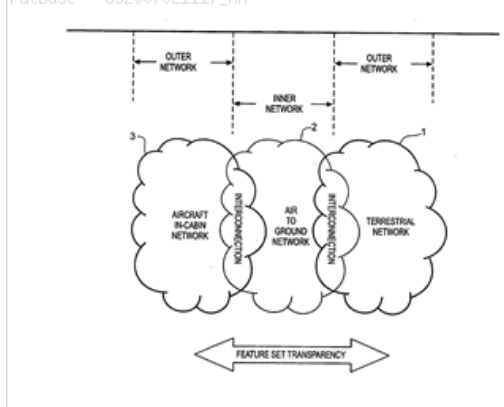
Title: SYSTEM FOR INTEGRATING AN AIRBORNE WIRELESS **CELLULAR NETWORK** WITH TERRESTRIAL WIRELESS **CELLULAR NETWORKS** AND THE PUBLIC SWITCHED TELEPHONE NETWORK

Abstract: Source: US2007021117A The present non-terrestrial feature transparency system spoofs the Air-to-Ground Network and the ground-based cellular communication network into thinking that the wireless subscriber devices have no special considerations associated with their operation, even though the wireless subscriber devices are located on an aircraft in flight. This architecture requires that the non-terrestrial feature transparency system on board the aircraft replicate the full functionality of a given wireless subscriber device, that has a certain predetermined feature set from a ground-based wireless service provider, at another wireless subscriber device located within the aircraft. This mirroring of wireless subscriber device attributes enables a localized cell for in-cabin communication yet retains the same wireless subscriber device attributes for the air-to-ground link. The Air-to-Ground Network transmits both the subscriber data (comprising voice and/or other data) as well as feature set data between the Aircraft in-Cabin Network and the ground-based cellular communication network to thereby enable the wireless subscriber devices that are located in the aircraft to receive consistent wireless communication services in both the terrestrial (ground-based) and non-terrestrial regions.

Classifications:

International (IPC 8-9): H01Q1/24 H01Q1/28 H01Q1/32 H04B7/15 H04B7/185 H04J3/16 H04L12/28 H04L12/56 H04Q7/20 H04W24/00 H04W4/00 H04W84/00 (Advanced/Invention); H04W16/24 H04W36/08 H04W76/02 H04W84/04 H04W84/06 (Advanced/Non-invention)
CPC: H01Q1/007 H01Q1/246 H01Q1/28 H01Q1/32 H04B7/18506 H04B7/18508 H04W76/025 H04W84/005 H04W84/06
European: H01Q1/00E H01Q1/24A3 H01Q1/28 H01Q1/32 H04B7/185B4 H04B7/185B4B H04W84/00M T04W76/02M T04W84/06
US: 370/469 455/430 455/431 455/431P 455/456.3

PatBase - US2007021117_AA



Family:

Publication number	Publication date	Application number	Application date
US2007021117 AA	20070125	US20060492545	20060724
US7751815 BB	20100706	US20060492545	20060724

Priority:

US19920847920 19920306	US19930027333 19930308	US20000686923 20001011
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Probable Assignee: GOGO LLC

Assignee(s): (std): AIRCELL INC ; AIRCELL LLC

Assignee(s): AIRCELL INT INC ; AIRCELL LLC A DELAWARE LIABILITY CO LTD ; BANK OF NOVA SCOTIA ADMINISTRATIVE AGENT AS ; GOGO LLC ; MORGAN STANLEY SENIOR FUNDING INC ; AC ACQUISITION I LLC ADMINISTRATIVE AGENT AS ; AC ACQUISITION I LLC AS ADMINISTRATIVE AGENT ; AC BIDCO LLC ; AC HOLDCO INC ; AIRCELL AVIATION INC ; AIRCELL BUSINESS AVIATION SERVICES LLC ; AIRCELL INT ; AC HOLDCO INC (SUCCESSOR IN INTEREST TO AC HOLDCO ; AC HOLDCO INC SUCCESSOR IN INTEREST TO AC HOLDCO L ; AC HOLDCO INC (SUCCESSOR IN INTEREST TO AC HOLDCO LLC) ; AC HOLDCO INC SUCCESSOR IN INTEREST TO AC HOLDCO LLC ; AIRCELL LLC A DELAWARE LTD ; BANK OF NOVA SCOTIA AS ADMINISTRATIVE AGENT ; SPECTRALABS TECHNOLOGIES LLC

Inventor(s): (std): JOCHIM KENNETH J ; JOCHIM KENNETH JOSEPH ; LIU DANDAN ; CRUZ JOSEPH ; CRUZ JOSEPH M ; MCKENNA DANIEL B ; MCKENNA DANIEL BERNARD ; SAROKA HAROLD G ; SAROKA HAROLD GRANT ; VARADACHARI ANAND K

Inventor(s): VARADACHARI ANAND ; SAROKA HAROLD ; JOCHIM KENNETH ; MCKENNA DANIEL

Agent(s): PATTON BOGGS ; PATTON BOGGS LLP

Title: MOBILE ROUTER DEVICE

Abstract: Source: US2007030857A A wireless mobile router (140) includes wireless network interfaces (202) and (218) attached to a network controller (142). The wireless network interface (202) communicates with a **cellular network** (110) to access **cellular network** services. The wireless network interface (218) and the network controller (142) comprise a WLAN (170) or PAN (180) network router hosting a plurality of client devices. Each client device may access a wide area network, WAN over the **cellular network**. The wireless mobile router (140) is configured to exchange various **cellular network** signals with various WLAN and PAN networks. The wireless mobile router (140) is particularly suitable for use in a vehicle or at locations where WAN access is not readily available.

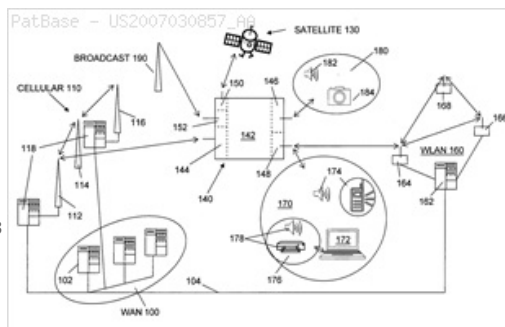
Classifications:

International (IPC 8-9): H04L12/56 H04L12/66 H04L12/701 H04L12/773 H04Q7/24 H04W24/08 H04W28/08 H04W4/00 H04W40/00 H04W48/18 H04W76/02 H04W84/02 (Advanced/Invention); H04L12/56 H04L12/66 H04Q7/24 (Core/Invention)

CPC: H04W40/00 H04L45/00 H04L45/60 H04W76/025 H04W48/18 H04W28/08 H04W24/08 H04W84/12 H04W4/008 H04W84/18 H04W88/10 H04W88/16

European: H04L45/00 H04L45/60

US: 370/328 370/328S 370/338 370/338P 370/341 370/351 370/351S 370/395.4 370/395.41 370/401 370/401P 370/431 370/463 370/463S 455/422.1 455/450 455/451 455/452.1 455/452.2 455/453



Family:

Publication number	Publication date	Application number	Application date
US2007030857 AA	20070208	US20060497892	20060802
US2007110017 AA	20070517	US20070650634	20070106
US2011019651 AA	20110127	US20100803637	20100701
US2011051703 AA	20110303	US20100807549	20100907
US2013286945 AA	20131031	US20130927033	20130625
US2017230888 AA	20170810	US20170498443	20170426
US7778230 BB	20100817	US20070650634	20070106
US7813314 BB	20101012	US20060497892	20060802
US8503363 BB	20130806	US20100807549	20100907
US9668193 BB	20170530	US20130927033	20130625

Priority:

US20050595747P	20050802	US20060497892	20060802	US20100803637	20100701
US20100807549	20100907	US20070650634	20070106	US20130927033	20130625
US20170498443	20170426				

Probable Assignee: WAAV INC

Assignee(s): (std): SMITH BRIAN J ; WAAU INC ; WAAV INC ; WAAV INCORPORATED ; FULKNIER JOHN ; FULKNIER JOHN C

Assignee(s): KELLEY EDWARD L

Inventor(s): (std): FULKNIER JOHN ; FULKNIER JOHN C ; SMITH BRIAN J

Inventor(s): SMITH BRIAN

Agent(s): EDWARD L KELLEY DBA INVENTION MANAGEMENT ASSOCIATES; INVENTION MANAGEMENT ASSOCIATES; EDWARD L; INVENTION MANAGEMENT ASSOCIATES INC

Title: SYSTEM FOR MONITORING AND CONTROL OF TRANSPORT CONTAINERS

Abstract: Source: US2007040647A The invention comprises a unit and system for remote monitoring and controlling of various conditions in a container during cargo. The system includes a local wireless or cable (wired) network with a local station and access points positioned in the vicinity of location of containers, a remote central station connected with the Internet and a container-mounted means for monitoring and control of reefer equipment, each of which includes a processor (CPU) and a transceiver of wireless local communication, a GPS-receiver and a transceiver of cellular communication (with all of them being connected to the said processor). In addition the processor (CPU) of the device is connected to the controller of reefer equipment, while the transceiver of wireless local communication is made so that the creation of Personal Area Network (PAN) with mobile electronic devices (e.g., Notebook, Pocket PC, PDA) is possible, and establishment of wireless communication with a communication gateway of the said local network is also possible.

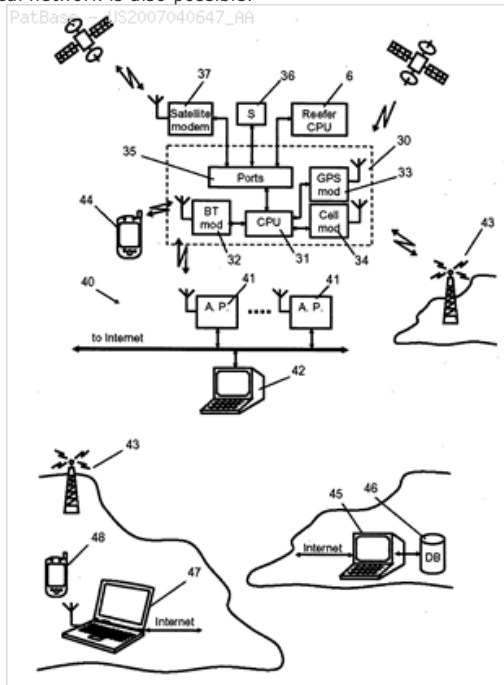
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CPC: G05D27/02 H04W4/046 H04W84/18 H04W88/182 G06Q10/087 H04L69/18 F25D29/003 H04L67/12

European: G05B23/02

US: 340/3.1 340/870.07 700/276

**Family:**

Publication number	Publication date	Application number	Application date
US2007040647 AA	20070222	US20050205498	20050817
US2013271290 AA	20131017	US20120644963	20121004
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Priority:

US20050205498 20050817 US20120644963 20121004

Probable Assignee: WIRELESS DATA SOLUTIONS LLC

Assignee(s): (std): BRECHT PAT ; JUMP DENNIS N ; SAENZ JORGE ; SAENZ JORGE E ; WIRELESS DATA SOLUTIONS LLC

Assignee(s): PEB COMMODITIES INC

Inventor(s): (std): JUMP DENNIS N ; SAENZ JORGE E ; SAENZ JORGE ; BRECHT PAT

Inventor(s): JUMP DENNIS

Agent(s): HOUSTON ELISEEVA; SAN DIEGO IP LAW GROUP LLP

Title: METHOD AND SYSTEM FOR ACCESSING MEDIA CONTENT VIA THE INTERNET

Abstract: Source: US2007180485A A media storage and access system and methodology including a set-top box which receives and processes a plurality of signal sources and makes programming available locally through connected devices or via a data network such as a **LAN**, WAN, or the Internet. The system also integrates a multimedia storage system that allows programming content to be digitally stored. The system utilizes an integrated digital storage system and operating software to allow users to view a broadcast program (e.g., television, radio, etc.) with the option of instantly reviewing previous segments within the program. In addition, the system allows the user to store selected media programming while the user is simultaneously watching or reviewing another program. The system also allows stored media assets to be accessed locally via a media device connected to the unit or remotely via the Internet.

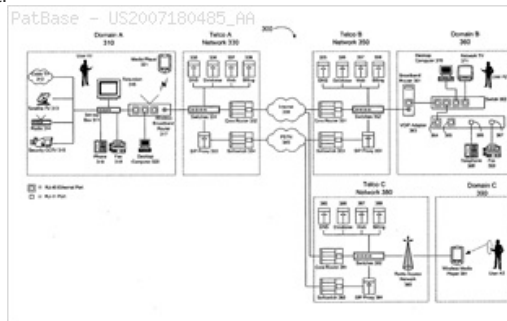
Classifications:

International (IPC 8-9): G06F15/16 G06F15/173 H04L29/06 H04L29/08 H04L29/12 H04N21/258 H04N21/41 H04N21/4147 H04N21/422 H04N21/432 H04N21/436 H04N21/4363 H04N21/44 H04N21/4402 H04N21/4415 H04N21/462 H04N21/472 H04N21/478 H04N21/61 H04N5/44 H04N5/76 H04N7/16 H04N7/173 H04N7/18 H04W12/06 (Advanced/Invention); H04N7/16 H04N7/173 H04N7/18 (Core/Invention)

CPC: H04N21/4622 H04W12/06 H04L65/60 H04N21/43637 H04N21/4415 H04N21/43635 H04N21/440218 H04N21/44004 H04N21/47202 H04N21/42221 H04L63/0861 H04N21/4135 H04N21/4325 H04N21/43615 H04N21/6125 H04N21/6187 H04L67/306 H04L63/10 H04N21/25891 H04N5/4403 H04N21/478 H04N21/25875 H04N2005/4444 H04N2005/4426 H04N2201/3233 H04L29/06027 H04L29/12066 H04L29/1216 H04L61/106 H04L61/1511 H04L61/157 H04L65/1006 H04N5/76 H04N7/163 H04N7/17309 H04N21/4147 H04L63/083

European: H04L29/06C2 H04L29/06M2H2 H04L29/12A1B H04L29/12A2A1 H04L29/12A2H H04L61/10B H04L61/15A1 H04L61/15H H04N21/4147 H04N21/41P7 H04N21/432P H04N21/436H H04N21/61D3 H04N21/61U5 H04N5/76 H04N7/16E2 H04N7/173B

US: 348/E7.061 348/E7.07 348/E70.61S 348/E70.70S 386/E5.001 386/E50.01S 709/223 709/227 725/110 725/110P 725/114 725/114P 725/114S 725/115 725/115S 725/119 725/119S 725/144 725/144S 725/145 725/145S 725/25 725/48 725/74 725/74S 725/80 725/80S 725/81 725/81S 725/88 726/7



Family:

Publication number	Publication date	Application number	Application date
US2007180485 AA	20070802	US20060341715	20060127
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US2015382055 AA	20151231	US20150846200	20150904
US2016014457 AA	20160114	US20150864224	20150924
US7624417 BB	20091124	US20060341715	20060127
US8572257 BB	20131029	US20090623422	20091122
US9736535 BB	20170815	US20150864224	20150924

Priority:

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US20150864224 20150924		

Probable Assignee: SYNDEFENSE CORP

Assignee(s): (std): DUA ROBIN ; SYNDEFENSE CORP

Assignee(s): EQUISPAN LLC ; SYNDEFENSE

Inventor(s): (std): DUA ROBIN

Agent(s): CHARLES B LOBSENZ ROBERTS MLOTKOWSKI AND HOBBS PC; ROBERTS MLOTKOWSKI SAFRAN AND COLE PC INTELLECTUAL PROPERTY DEPARTMENT; ROBERTS MLOTKOWSKI SAFRAN AND COLE PC; STANZIONE AND KIM LLP; STANZIONE AND ASSOCIATES PLLC

Title: SYSTEM AND METHOD FOR MOBILE TELEPHONE AS AUDIO GATEWAY

Abstract: Source: US2007283033A Disclosed is a system and method for using the mobile telephone as an audio gateway. In one embodiment, a mobile telephone requests: access to a wireless network, wherein the wireless network includes at least one remote server that contains multimedia content. The mobile telephone assigns a subnet internet protocol (IP) address to a rendering device. After authenticating the user, the user selects at least one service and/or device associated with the wireless network, The streaming audio is then routed to the rendering device based on the assigned subnet IP address.

Classifications:

International (IPC 8-9): G06F15/16 H04L29/12 H04M1/60

H04W12/06 H04W4/06 H04W84/12 (Advanced/Invention);

G06F15/16 H04L29/12 H04W12/00 H04W4/06

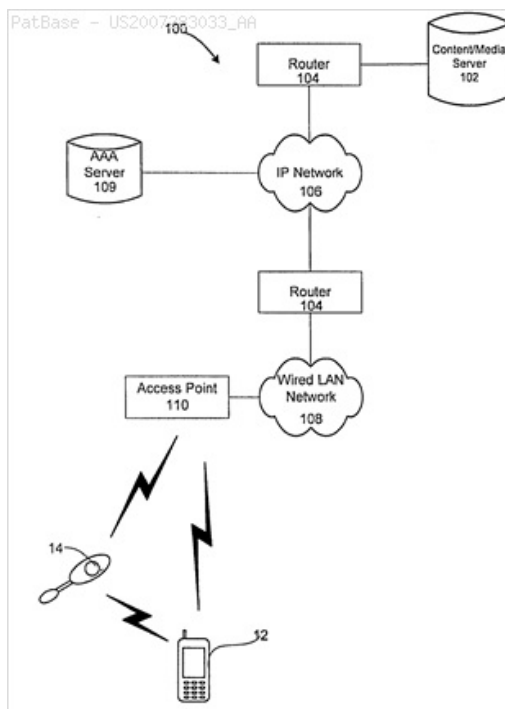
H04W84/02 (Core/Invention)

International (IPC 1-7): H04L29/12

CPC: H04L63/08 H04M1/2535 H04M1/6066 H04M1/72558

European: H04M1/60T2B2 T04L63/08 T04M1/253W T04M1/725F1P

US: 709/231 709/231P



Family:

Publication number	Publication date	Application number	Application date
BRPI0621559 A2	20121009	BR2006PI21559	20061120
CN101449561 A	20090603	CN200680054783	20061120
CN101449561 B	20120704	CN200680054783	20061120
DE602006031007 D1	20120920	DE200660031007T	20061120
EP2030417 A1	20090304	EP20060838047	20061120
EP2030417 B1	20120725	EP20060838047	20061120
IN05014CN2008 A	20090320	IN2008CN05014	20080922
IN260663 B	20140523	IN2008CN05014	20080922
JP2009538087 T2	20091029	JP20090511997T	20061120
MX2008012885 A1	20081013	MX20080012885	20061120
US2007283033 AA	20071206	US20060421195	20060531
WO07139578 A1	20071206	WO2006US44877	20061120

Priority:

EP20060838047 20061120 US20060421195 20060531 WO2006US44877 20061120

Probable Assignee: SONY ERICSSON MOBILE COMMUNICATIONS AB

Assignee(s): (std): BLOEBAUM L SCOTT ; LIU CHARLES ; SONY ERICSSON MOBILE COMM AB ; SONY ERICSSON MOBILE COMMUNICATION AB

Assignee(s): SONY ERICSSON MOBILE COMMUNICATIONS AB ; BLOEBAUM L

Inventor(s): (std): BLOEBAUM L SCOTT ; LIU CHARLES ; SCOTT BLOEBAUM L ; CHARLES LIU

Inventor(s): BLOEBAUM L ; L SCOTT BLOEBAUM ; LIU CHARLES CHAPEL HILL ; SCOTT L BLOEBAUM ; BLOEBAUM L SCOTT CARY

Agent(s): HOFFMANN EITLE PATENT U RECHTSANWALTE PARTMBB; ANDERSSON BJOERN E; WARREN A SKLAR SOER RENNER OTTO BOISSELLE AND SKLAR LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM 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 MG MK ML MN MR 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

Title: WIFI GEOLOCATION FROM CARRIER-MANAGED SYSTEM GEOLOCATION OF A DUAL MODE DEVICE

Abstract: Source: US2008045233A In one embodiment, a carrier-managed system such as the **cellular network** or the Global Positioning System (GPS), is leveraged to directly determine or triangulate geographic locations of the dual mode device and then the access point. Advantageously, a service provider may constantly and automatically update its database with the geolocation of APs and associated devices to thereby provide accurate information and improved emergency services.

Classifications:

International (IPC 8-9): G01S5/14 H04L12/18 H04Q7/20 H04W4/00 H04W4/02 (Advanced/Invention);

H04W4/02 (Advanced/Non-invention);

G01S5/14 H04L12/18 H04Q7/20 H04W4/02 (Core/Invention);

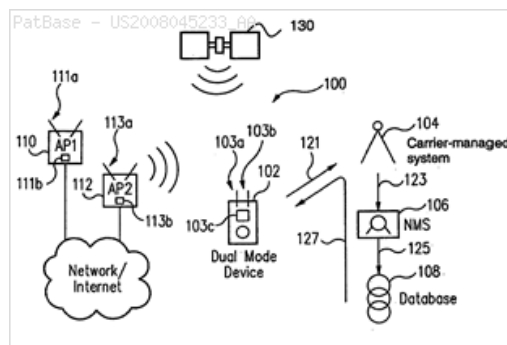
H04W4/02 (Core/Non-invention)

International (IPC 1-7): H04Q7/20

CPC: G01S5/0242 G01S5/14 H04W4/02

European: G01S5/02A6 G01S5/14 T04W4/02

US: 342/126 342/450 370/328 370/338 455/456.1 455/456.100P



Family:

Publication number	Publication date	Application number	Application date
CN101502134 A	20090805	CN200780029513	20070808
CN101502134 B	20150513	CN200780029513	20070808
EP2052489 A2	20090429	EP20070813901	20070808
EP2052489 A4	20120208	EP20070813901	20070808
EP2052489 B1	20170201	EP20070813901	20070808
US2008045233 AA	20080221	US20060504920	20060815
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Priority:

US20060504920 20060815 WO2007US75490 20070808

Probable Assignee: CISCO TECHNOLOGY INC

Assignee(s): (std): CISCO SYSTEMS INC ; CISCO TECH INC ; FITZGERALD CARY

Assignee(s): CISCO TECHNOLOGY INC

Inventor(s): (std): FITZGERALD CARY ; CARY FITZGERALD

Agent(s): KAZI ILYA ET AL; KAZI ILYA; MACPHERSON KWOK CHEN AND HEID LLP; HAYNES AND BOONE LLP; PARK DAVID S

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 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 SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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

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A63F13/843 A63F9/24 G01S13/08 G01S13/30 G01S13/00 G01S13/08

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G01S7/41 G06F1/16 G06F1/24 G06F1/26 G06F12/00 G06F12/02

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G08B13/14 G09G5/00 H01L23/552 H04B1/06 H04B1/38 H04B5/00

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A63F13/10 G06F1/16 (Core/Non-invention)

CPC: H04L41/0806 H04L41/082 H04L41/0866 G06F9/38 H03K19/17744 H03K19/17752 H03K19/17756 H04W8/005

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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

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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

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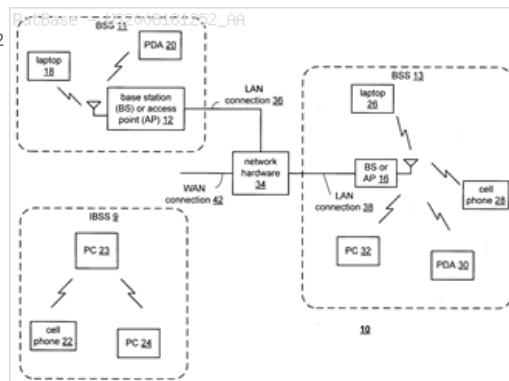
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Family:

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Probable Assignee: AVAGO TECHNOLOGIES GENERAL IP SINGAPORE PTE LTD

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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

Title: PORTABLE COMPUTERIZED WIRELESS PAYMENT APPARATUS AND METHODS

Abstract: Source: US2012225639A A mobile user apparatus and associated methods useful for conducting payment transactions wirelessly, such as at point-of-sale locations. In one embodiment, the mobile user apparatus is a cellular-enabled mobile device that includes a short-range passive radio frequency transceiver that when interrogated by a reader at the point-of-sale, issues a reply including information relating to an account of the user of the mobile apparatus that is to be debited for the payment. In one variant, the information stored on the mobile device is encrypted for security, and the mobile user apparatus is further configured to receive transaction data wirelessly in return.

Classifications:

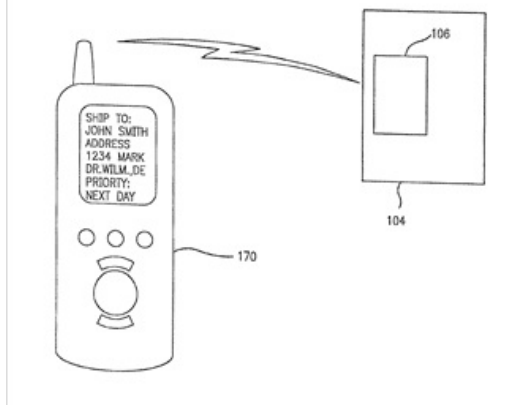
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US: 1/1 235/375 235/379 235/380 235/381 235/383 235/384 235/492 455/41.2 455/410 455/414.3 455/426.1 705/17 705/21 705/27.1 705/332 705/5

PatBase - US2012225639_AA

**Family:**

Publication number	Publication date	Application number	Application date
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Probable Assignee: WEST VIEW RES LLC

Assignee(s): (std): GAZDZINSKI MARK J ; GAZDZINSKI ROBERT F ; WEST VIEW RES LLC

Assignee(s): WEST VIEW RESEARCH LLC ; DBD CREDIT FUNDING LLC ; GAZDZINSKI MARK F

Inventor(s): (std): GAZDZINSKI MARK J ; GAZDZINSKI ROBERT F

Agent(s): GAZDZINSKI AND ASSOCIATES; GAZDZINSKI AND ASSOCIATES PC; GAZDZINSKI AND ASSOCIATES PC

Title: Integrating an airborne wireless **cellular network** with terrestrial wireless **cellular networks** and the public switched telephone network

Abstract: Source: AU2008246257A 0 z A non-terrestrial feature transparency system spoofs an Air-to-Ground Network and a ground-based cellular communication network into thinking that wireless subscriber devices have no special considerations associated with their operation, even though the wireless subscriber devices are located on an aircraft in flight. This architecture requires that the non-terrestrial feature transparency system on board the aircraft replicate the full functionality of a given wireless subscriber device, that has a certain predetermined feature set from a ground-based wireless service provider, at another wireless subscriber device located within the aircraft. This mirroring of wireless subscriber device attributes enables a localized cell for in-cabin communication yet retains the same wireless subscriber device attributes for the air-to-ground link. The Air-to-Ground Network transmits both the subscriber data (comprising voice and/or other data) as well as feature set data between the Aircraft in-Cabin Network and the ground-based cellular communication network to thereby enable the wireless subscriber devices that are located in the aircraft to receive consistent wireless communication services in both the terrestrial (ground-based) and non-terrestrial regions. 28246257 20 Nov 28 OUTER I NETWORK OUTER NETWORK INNER NETWORK 21 Fig. 1 FEATURE SET TRANSPARENCY

Classifications:

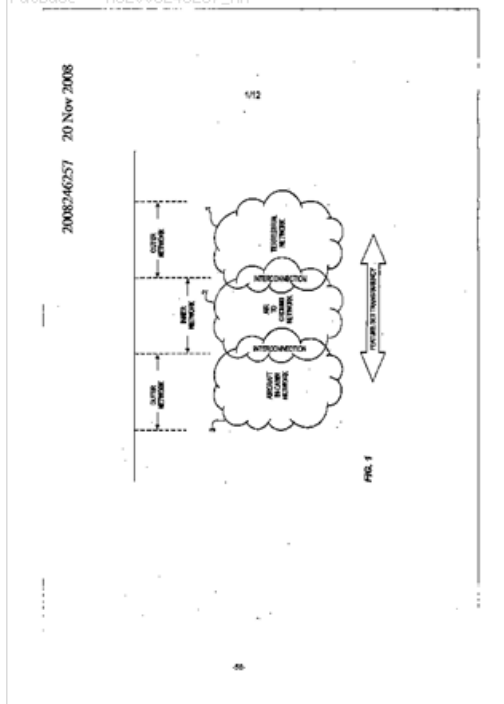
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H04W84/00 (Advanced/Invention);
H04W16/24 H04W36/08 H04W76/02 H04W84/04
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CPC: H01Q1/007 H01Q1/246 H01Q1/28 H01Q1/32 H04B7/18506
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European: H01Q1/00E H01Q1/24A3 H01Q1/28 H01Q1/32
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PatBase - AU2008246257_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008246257 AA	20081211	AU20080246257	20081120
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Priority:

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Probable Assignee: AIRCELL LLC

Assignee(s): (std): AIRCELL LLC ; GOGO LLC

Inventor(s): (std): BERNARD MCKENNA DANIEL ; CRUZ JOSEPH ; DANDAN LIU ; JOCHIM KENNETH JOSEPH ; JOSEPH CRUZ ; JOSEPH JOCHIM KENNETH ; LIU DANDAN ; MCKENNA DANIEL BERNARD ; SAROKA HAROLD GRANT ; VARADACHARI ANAND K ; GRANT SAROKA HAROLD

Inventor(s): HAROLD GRANT SAROKA ; ANAND K VARADACHARI ; KENNETH JOSEPH JOCHIM ; DANIEL BERNARD MCKENNA

Agent(s): CULLENS PATENT AND TRADE MARK ATTORNEYS; CULLENS PTY LTD

Title: SYSTEM AND METHOD FOR DIRECT COMMUNICATION BETWEEN WIRELESS COMMUNICATION DEVICES

Abstract: Source: US2010227554A A wireless communication device includes conventional components to permit a network communication link to be established with a wireless communication network. In addition, the wireless communication device includes a non-network short-range transceiver that detects the presence of other similarly equipped devices. When two such equipped devices come within proximity of each other, a direct non-network wireless communication link is established. The two devices exchange portions of profile data and each analyzed the received profile data. If a match occurs, a contact notification is generated. This permits the wireless communication device to act as an auto-detecting social network device that detects the proximity of other devices whose owners have a profile that matches the stored user preference data. Subsequent communication may occur in a conventional manner using the wireless network communication channels and web applications may also be used to gain additional information.

Classifications:

International (IPC 8-9): A63F13/12 A63F13/27 A63F13/30 A63F13/32

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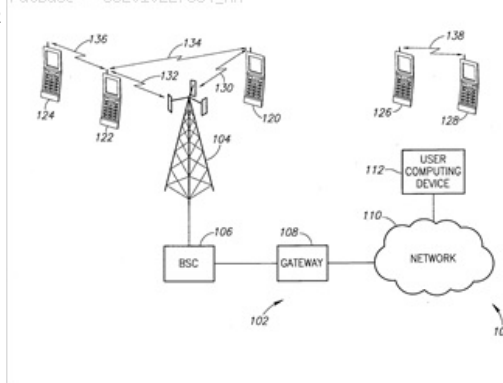
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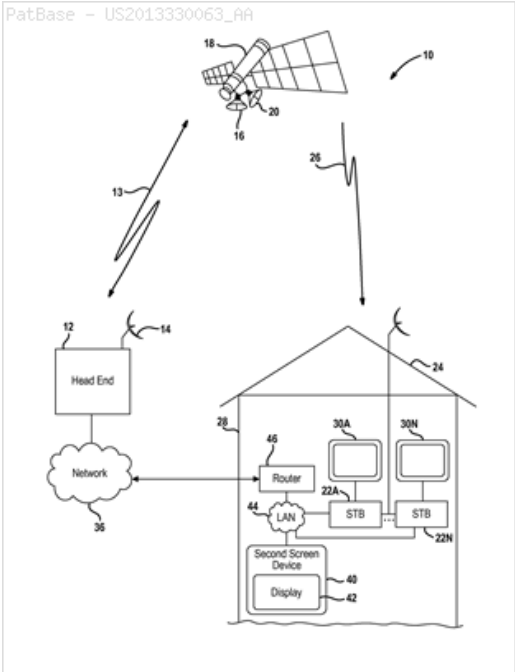
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Title: METHOD AND SYSTEM FOR DISPLAYING CONTENT OR CONFLICTS FROM MULTIPLE RECEIVING DEVICES ON A SECOND SCREEN DEVICE

Abstract: Source: US2013330063A A system and method is set forth for displaying schedule recording events on a second screen device that includes a controller and a display. The controller includes a hypertext transfer protocol (HTTP) engine and a calendar display module. The HTTP engine receives scheduled recording data from a first receiving device. The scheduled recording data comprising a plurality of scheduled recording events. The HTTP engine receives conflict data corresponding to a conflict between at least two scheduled recording events based on the scheduled recording data. The calendar display module displays the scheduled recording events on a calendar screen display and displays a screen indicator at the second screen device indicative of a conflict.

Classifications:

International (IPC 8-9): H04N21/422 H04N21/436 H04N21/458 H04N5/76 H04N7/173 (Advanced/Invention); H04N21/422 (Advanced/Non-invention)
CPC: H04N21/43615 H04N21/43622 H04N21/4583 H04N21/42209 H04N21/4222 H04N21/42224 H04N21/4312 H04N21/47214
US: 386/291 386/292 386/E5.003



Family:

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Priority:

US20120492517 20120608 WO2013US44172 20130604

Probable Assignee: DIRECTV GROUP INC

Assignee(s): (std): BEESON CHARLES W ; BONOVICH EARL J ; DIRECTV GROUP INC

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Inventor(s): CHARLES W BEESON ; EARL J BONOVICH

Agent(s): ESTUDIO CAREY LTDA; MARGARITA CASTELLANOS ABONDANO; BRUNNER JOHN MICHAEL OWEN; SYNDER TODD N

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: COST-EFFECTIVE MOBILE CONNECTIVITY PROTOCOLS

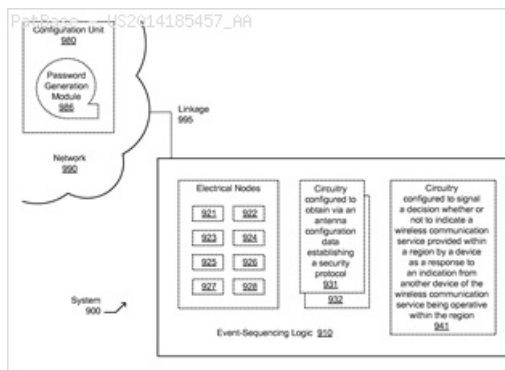
Abstract: Source: US2014185457A Structures and protocols are presented for signaling a status or decision concerning a wireless service or device within a region to a network participant or other communication device (smartphone or motor vehicle, e.g.).

Classifications:

International (IPC 8-9): G06F15/16 H04B7/14 H04B7/26 H04L12/14 H04L12/28 H04L12/863 H04L29/06 H04L29/08 H04M11/00 H04M11/04 H04M15/00 H04M3/42 H04W12/08 H04W16/18 H04W36/16 H04W36/24 H04W36/32 H04W4/02 H04W4/20 H04W4/24 H04W4/26 H04W40/24 H04W48/04 H04W48/16 H04W48/18 H04W64/00 H04W72/04 H04W72/12 H04W76/02 H04W8/00 H04W80/00 H04W88/08 (Advanced/Invention); H04M15/00 H04W12/08 H04W36/14 H04W4/00 H04W4/02 H04W4/24 (Advanced/Non-invention)

CPC: H04M15/723 H04W4/023 H04L63/0227 H04M15/80 H04M15/82 H04B7/26 H04W76/023 H04L67/12 H04W12/02 H04W76/02 H04L67/125 H04L67/16 H04L12/1485 H04M15/85 H04M15/88 H04M15/93 H04L47/50 H04W4/206 H04W4/26 H04W4/006 H04L12/1475 H04L63/02 H04W36/14 H04W16/18 H04W64/006 H04L67/18 H04M15/765 H04M15/39 H04L67/26 H04W4/028 H04W48/18 H04W72/0486 H04W72/1252 H04L12/1403 H04W4/021 H04W40/24 H04W4/24 H04L12/1478 H04M15/77 H04M15/8033 H04W8/005 H04L12/1421 H04L12/1435 H04L12/1457 H04L69/18 H04M15/09 H04W4/02 H04W4/20 H04W64/00 H04W12/06 H04W12/08

US: 1/1 370/242 370/259 370/311 370/338 455/15 455/405 455/406 455/407 455/41.2 455/436 455/446 455/456.1 455/517 455/550.1 726/14

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Probable Assignee: ELWHA LLC

Assignee(s): (std): HYDE RODERICK A ; LORD RICHARD T ; LORD ROBERT W ; REUDINK DOUGLAS O ; TEGREENE CLARENCE T ; ELWHA LLC

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Inventor(s): HALLMAN KIMBERLY DA

Agent(s): FLEUCHAUS MICHAEL A; SUITER SWANTZ PC LLO; ROCHESTER S CRAIG 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