

Search history

- Search 1: [SP]: Deliberate interference detection device (7) comprising a transceiver (701) configured to periodically scan a frequency band (201, 401, 402) of a security system to detect deliberate interference, characterized in that, if deliberate interference is detected in the one frequency band (201, 401, 402), the transceiver (701) is configured to send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising channels with a bandwidth of less than or equal to 200 Hz. (Results 207)
- Search 2: [SP]: Deliberate interference detection device (7) comprising a transceiver (701) configured to periodically scan a frequency band (201, 401, 402) of a security system to detect deliberate interference, characterized in that, if deliberate interference is detected in the one frequency band (201, 401, 402), the transceiver (701) is configured to send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising channels with a bandwidth of less than or equal to 200 Hz. Deliberate interference detection device (7) according to claim 1, characterized in that the transceiver (701) is configured to periodically scan a first frequency band (201) of an Industrial, Scientific and Medical radio network (2) that connects a peripheral (1) and a control panel (3) of the security system. Deliberate interference detection device (7) according to claim 2, characterized in that the first frequency band (201) of the Industrial, Scientific and Medical radio network (2) is centered at 868 MHz. deliberate interference (7) according to any of claims 2 and 3, characterized in that the alarm signal is sent on a second frequency band (801) of the ultra narrow band network (8), the second band being frequency overlapping with the first frequency band (201) of the Industrial, Scientific and Medical radio network (2). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) is configured to periodically scan a third frequency band (401, 402) of a network of the Global System for Mobile Communications (4) connecting the control panel (3) and the central management service (5) of the security system. 6. Deliberate interference detection device (7) according to claim 5, characterized in that the transceiver (701) is configured to periodically scan a frequency band (401) of 900 MHz and a frequency band (402) of 1800 MHz of the network of the Global System for Mobile Communications (4). 10. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises a local oscillator (702) configured to generate a plurality of harmonics, scanning a frequency band (201, 401, 402) with a third-order harmonic. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises modulation means configured to apply random frequency jump to the alarm signal when the band network is accessed ultra narrow (8). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver 25 (701) comprises modulation means configured to apply a binary phase shift modulation to the alarm signal when accessing the the ultra narrow band network (8). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises an accelerometer (705), and in that the transceiver (701) is configured to send an alarm signal to the central management service (5) through the ultra narrow band network (8) when an accelerometer (705) measurement exceeds a first predefined threshold. 11. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a thermometer (706), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a measurement of the thermometer (706) exceeds a second predefined threshold. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a user interface (704), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a user enters a command through the user interface (704). Deliberate interference detection method comprising: measuring a first RF power periodically in a frequency band 201, 401, 402 of a security system; measuring a second RF power in the frequency band (201, 401, 402) and checking whether the second RF power exceeds a moving average of the first RF power; - if the second RF power exceeds the moving average, wait a period of time, measure a third RF power in the frequency band (201, 401, 402) and check whether the third RF power exceeds the moving average; if the second RF power and the third RF power exceed the moving average, send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising bandwidth channels less than or equal to 200 Hz. Deliberate interference detection method comprising: - periodically scanning a frequency band (201, 401, 402) of a security system; characterized in that the method further comprises: if during the scanning stage deliberate interference is detected in the frequency band (201, 401, 402), sending an alarm signal to a central management service (5) through a network ultra narrowband band (8) comprising channels of bandwidth less than or equal to 200 Hz .. Deliberate interference detection method characterized in that the step of sending the alarm signal further comprises sending an identifier (904) of the band of frequency (201, 401, 402) and a first numerical value representing a deliberate interference intensity (906). (Results 0)
- Search 3: [SP]: Deliberate interference detection device (7) comprising a transceiver (701) configured to periodically scan a frequency band (201, 401, 402) of a security system to detect deliberate interference, characterized in that, if deliberate interference is detected in the one frequency band (201, 401, 402), the transceiver (701) is configured to send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising channels with a bandwidth of less than or equal to 200 Hz. Deliberate interference detection device (7) according to claim 1, characterized in that the transceiver (701) is configured to periodically scan a first frequency band (201) of an Industrial, Scientific and Medical radio network (2) that connects a peripheral (1) and a control panel (3) of the security system. Deliberate interference detection device (7) according to claim 2, characterized in that the first frequency band (201) of the Industrial, Scientific and Medical radio network (2) is centered at 868 MHz. deliberate interference (7) according to any of claims 2 and 3, characterized in that the alarm signal is sent on a second frequency band (801) of the ultra narrow band network (8), the second band being frequency overlapping with the first frequency band (201) of the Industrial, Scientific and Medical radio network (2). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) is configured to periodically scan a third frequency band (401, 402) of a network of the Global System for Mobile Communications (4) connecting the control panel (3) and the central management service (5) of the security system. 6. Deliberate interference detection device (7) according to claim 5, characterized in that the transceiver (701) is configured to periodically scan a frequency band (401) of 900 MHz and a frequency band (402) of 1800 MHz of the network of the Global System for Mobile Communications (4). 10. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises a local oscillator (702) configured to generate a plurality of harmonics, scanning a frequency band (201, 401, 402) with a third-order harmonic. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises modulation means configured to apply random frequency jump to the alarm signal when the band network is accessed ultra narrow (8). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver 25 (701) comprises modulation means configured to apply a binary phase shift modulation to the alarm signal when accessing the the ultra narrow band network (8). (Results 0)
- Search 4: [SP]: Deliberate interference detection device 7 according to any of the preceding claims, characterized in that the device (7) further comprises an accelerometer (705), and in that the transceiver (701) is configured to send an alarm signal to the central management service (5) through the ultra narrow band network (8) when an accelerometer (705) measurement exceeds a first predefined threshold. 11. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a thermometer (706), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a measurement of the thermometer (706) exceeds a second predefined threshold. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a user interface (704), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a user enters a command through the user interface (704). Deliberate interference detection method comprising: measuring a first RF power periodically in a frequency band 201, 401, 402 of a security system; measuring a second RF power in the frequency band (201, 401, 402) and checking whether the second RF power exceeds a moving average of the first RF power; if the second RF power exceeds the moving average, wait a period of time, measure a third RF power in the frequency band (201, 401, 402) and check whether the third RF power exceeds the moving average; if the second RF power and the third RF power exceed the moving average, send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising bandwidth channels less than or equal to 200 Hz. Deliberate interference detection method comprising: - periodically scanning a frequency band (201, 401, 402) of a security system; characterized in that the method further comprises: if during the scanning stage deliberate interference is detected in the frequency band (201, 401, 402), sending an alarm signal to a central management service (5) through a network ultra narrowband band (8) comprising channels of bandwidth less than or equal to 200 Hz .. Deliberate interference detection method characterized in that the step of sending the alarm signal further comprises sending an identifier (904) of the band of frequency (201, 401, 402) and a first numerical value representing a deliberate interference intensity (906). (Results 0)
- Search 5: [SP]: Deliberate interference detection device 7 comprising a transceiver (701) configured to periodically scan a frequency band (201, 401, 402) of a security system to detect deliberate interference, characterized in that, if deliberate interference is detected in the one frequency band (201, 401, 402), the transceiver (701) is configured to send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising channels with a bandwidth of less than or equal to 200 Hz. Deliberate interference detection device (7) according to claim 1, characterized in that the transceiver (701) is configured to periodically scan a first frequency band (201) of an Industrial, Scientific and Medical radio network (2) that connects a peripheral (1) and a control panel (3) of the security system. Deliberate

interference detection device (7) according to claim 2, characterized in that the first frequency band (201) of the Industrial, Scientific and Medical radio network (2) is centered at 868 MHz. deliberate interference (7) according to any of claims 2 and 3, characterized in that the alarm signal is sent on a second frequency band (801) of the ultra narrow band network (8), the second band being frequency overlapping with the first frequency band (201) of the Industrial, Scientific and Medical radio network (2). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) is configured to periodically scan a third frequency band (401, 402) of a network of the Global System for Mobile Communications (4) connecting the control panel (3) and the central management service (5) of the security system. 6. Deliberate interference detection device (7) according to claim 5, characterized in that the transceiver (701) is configured to periodically scan a frequency band (401) of 900 MHz and a frequency band (402) of 1800 MHz of the network of the Global System for Mobile Communications (4). 10. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises a local oscillator (702) configured to generate a plurality of harmonics, scanning a frequency band (201, 401, 402) with a third order harmonic. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver (701) comprises modulation means configured to apply random frequency jump to the alarm signal when the band network is accessed ultra narrow (8). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the transceiver 25 (701) comprises modulation means configured to apply a binary phase shift modulation to the alarm signal when accessing the the ultra narrow band network (8). Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises an accelerometer (705), and in that the transceiver (701) is configured to send an alarm signal to the central management service (5) through the ultra narrow band network (8) when an accelerometer (705) measurement exceeds a first predefined threshold. 11. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a thermometer (706), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a measurement of the thermometer (706) exceeds a second predefined threshold. Deliberate interference detection device (7) according to any of the preceding claims, characterized in that the device (7) further comprises a user interface (704), and in that the transceiver (701) is configured to send a signal of alarm to the central management service (5) through the ultra narrow band network (8) when a user enters a command through the user interface (704). Deliberate interference detection method comprising: measuring a first RF power periodically in a frequency band 201, 401, 402 of a security system; measuring a second RF power in the frequency band (201, 401, 402) and checking whether the second RF power exceeds a moving average of the first RF power; - if the second RF power exceeds the moving average, wait a period of time, measure a third RF power in the frequency band (201, 401, 402) and check whether the third RF power exceeds the moving average; if the second RF power and the third RF power exceed the moving average, send an alarm signal to a central management service (5) through an ultra narrow band network (8) comprising bandwidth channels less than or equal to 200 Hz. Deliberate interference detection method comprising: - periodically scanning a frequency band (201, 401, 402) of a security system; characterized in that the method further comprises: if during the scanning stage deliberate interference is detected in the frequency band (201, 401, 402), sending an alarm signal to a central management service (5) through a network ultra narrowband band (8) comprising channels of bandwidth less than or equal to 200 Hz .. Deliberate interference detection method characterized in that the step of sending the alarm signal further comprises sending an identifier (904) of the band of frequency (201, 401, 402) and a first numerical value representing a deliberate interference intensity (906). (Results 0)

Search Deliberate interference detection device (Results 0)
6:

Search Deliberate interference AND detection device (Results 0)
7:

Search Deliberate interference (Results 24)
8:

Search Deliberate AND interference AND detection AND device (Results 17)
9:

Search interference detection device (Results 81)
10:

Search 10 AND transceiver (Results 3)
11:

Search 10 AND ALARM (Results 4)
12:

Search 10 AND ultra narrow band (Results 0)
13:

Search 10 AND 200 hz (Results 0)
14:

Search (intrusive signal or interference) AND detection device (Results 3195)
15:

Search 15 and wireless (Results 217)
16:

Title: ASSET MANAGEMENT FOR PHYSICAL ASSETS

Abstract: Source: US2015362333A [EN] A technology is discussed for a **wireless** transfer station that is operable to communicate management information. Measurement information can be received from one or more other **wireless** transfer stations. The measurement information can be aggregated from the one or more other **wireless** transfer stations. The measurement information can be analyzed to determine a status of the one or more **wireless** transfer stations using the aggregated energy measurement information.

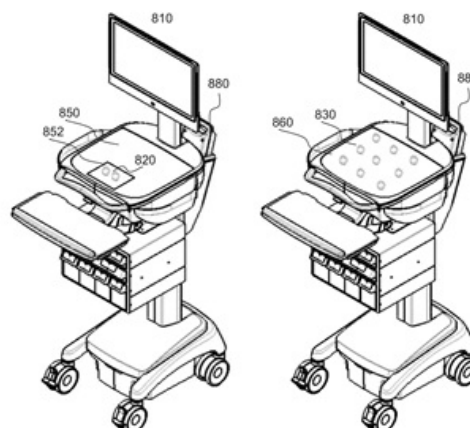
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International (IPC 8-9): G01D4/00 G01V3/12 H01M10/46 H01M10/48 H01M10/658 H01M10/659 H01M2/10 H01M2/12 H01M2/34 H02J17/00 H02J5/00 H02J50/10 H02J50/40 H02J50/50 H02J50/80 H02J7/00 H02J7/02 H02J7/04 H02J7/14 H04B5/00 H04Q9/00 (Advanced/Invention); G01V3/12 (Advanced/Non-invention)

CPC: H02J5/005 H01M10/658 H02J7/007 H01M2/1022 H01M2/1264 H01M10/486 H01M2/348 H01M2200/10 H01M2200/103 H01M2220/30 H02J7/0021 H04B5/0037 H04Q9/00 H02J7/0047 Y10T307/469 G01V3/12 H02J7/025 H01M10/46 H01M10/482 H02J17/00 H02J50/80 H01M2/1235 H02J50/12 H01M10/659 H02J7/0044 H02J50/10 H02J50/40 H02J50/50 H04B5/0081 H01M2/1094

US: 307/104 307/39 320/108 320/128 320/165 340/870.02 429/120 429/62 429/87 429/90

PatBase - US2015362333_AA



Family:

Publication number	Publication date	Application number	Application date
US2015362333 AA	20151217	US20140323325	20140703
US2015364799 AA	20151217	US20140323589	20140703
US2015364945 AA	20151217	US20140323410	20140703
US2015365135 AA	20151217	US20140323271	20140703
US2015365136 AA	20151217	US20140323372	20140703
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US2015365737 AA	20151217	US20140323516	20140703
US2017125758 AA	20170504	US20170407739	20170117
US9583803 BB	20170228	US20140323589	20140703
US9666915 BB	20170530	US20140323410	20140703
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Priority:

US20140010921P	20140611	US20140323271	20140703	US20140323325	20140703
US20140323410	20140703	US20140323372	20140703	US20140323474	20140703
US20140323589	20140703	US20140323547	20140703	US20140323516	20140703
US20170407739	20170117				

Probable Assignee: ENOVATE MEDICAL LLC

Assignee(s): (std): ENOVATE MEDICAL LLC

Assignee(s): FIFTH THIRD BANK AGENT AS ; RIVERSIDE FUND V LP ; RIVERSIDE OFFSHORE STINGER BLOCKER CORP

Inventor(s): (std): KILBOURNE ALLEN ; MASON MICHAEL ; METELKO MARY ; MILLER DAVID R ; MOODY JAY ; MOODY JOSEPH ; WAID GORDON ; YANG KOU

Agent(s): WALLER LANSDEN DORTCH AND DAVIS LLP; NATHAN J; BLAKE M; MARK A

Title: PORTABLE COMPUTERIZED **WIRELESS** PAYMENT APPARATUS AND METHODS

Abstract: Source: US2012225639A [EN] 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:

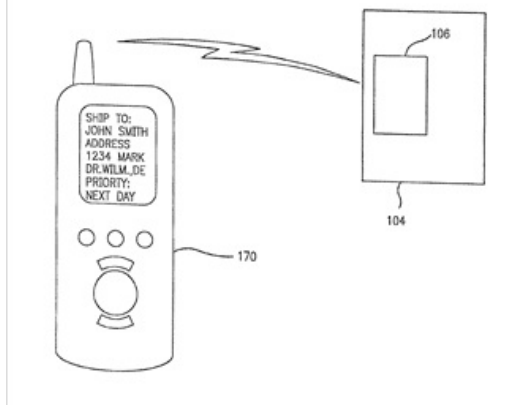
International (IPC 8-9): G04G21/02 G04G21/04 G04G21/06 G06F17/00 G06K15/00 G06K19/077 G06K5/00 G06K7/10 G06Q10/02 G06Q10/08 G06Q20/14 G06Q20/20 G06Q20/32 G06Q20/36 G06Q20/40 G07B15/00 G07B15/02 G07B17/00 G07F17/00 G07F17/12 G07G1/00 H04L29/06 H04W4/00 H04W4/02 H04W4/16 H04W48/08 H04W88/02 (Advanced/Invention)

CPC: G06Q20/327 G06Q10/0833 H04W4/008 G06Q20/32 G06Q20/204 G06Q20/3278 G04G21/04 G04G21/06 G04G21/025 G06Q20/14 G06K7/10425 G06K7/10297 G06Q20/363 G06K19/07762 G06Q10/083 H04W4/02 G06K7/10366 G06Q10/02 G06Q10/08 G07B17/00193 G07B2017/00225 G07F17/0014 G07F17/12 G07G1/009 G07B17/00314 G06Q20/405 H04L63/102 G07B2017/00322 G06Q10/0832 H04L63/0876 H04W4/80

European: G06Q10/08 G07B17/00E1 G07F17/00C G07F17/12 G07F7/00C G07G1/00C2R S07B17/00E1D

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
US2012225639 AA	20120906	US20120421713	20120315
US2013073406 AA	20130321	US20120604511	20120905
US2013191231 AA	20130725	US20130733106	20130102
US2013191253 AA	20130725	US20130733102	20130102
US2013204721 AA	20130808	US20120727306	20121226
US2013206835 AA	20130815	US20130738671	20130110
US2015206045 AA	20150723	US20150674929	20150331
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US2015254605 AA	20150910	US20150645235	20150311
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Priority:

US20030530812P	20031217	US20040015384	20041216	US20120421713	20120315
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US20130733106	20130102	US20130733102	20130102	US20130738671	20130110
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US20150606959	20150127	US20150610946	20150130	US20150674929	20150331
US20150642594	20150309	US20150645235	20150311	US20170470775	20170327

Probable Assignee: WEST VIEW RESEARCH 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: USER INTERFACE FOR MONITORING A PLURALITY OF FAULTED CIRCUIT INDICATORS

Abstract: Source: US2007268644A [EN] A user interface for a **wireless** device used to monitor multiple groups of faulted circuit indicators. Each group of faulted circuit indicators includes a radio interface unit, which is coupled to each of the faulted circuit indicators in the group. The user interface includes an identification indicator, which includes a plurality of radio interface unit status indicators, each of which corresponds to a particular radio interface unit, and which indicates a selected radio interface unit. The user interface also includes a way indicator comprising a plurality of faulted circuit indicator status indicators, each of which corresponds to a particular faulted circuit indicator coupled to the selected radio interface unit. In addition, each radio interface unit status indicator indicates whether a particular radio interface unit coupled to a faulted circuit indicator is asserting a fault condition.

Classifications:

International (IPC 8-9): G01D21/00 G01D3/08 G01R G01R15/00 G01R31/00 G01R31/02 G01R31/04 G01R31/28 G08B1/08 G08B21/00 G08C17/02 G08C17/04 G08C19/12 H01H73/00 H02J13/00 H04B5/00 H04B7/00 (Advanced/Invention); G01R15/00 G01R31/00 G01R31/28 G08B1/00 G08B21/00 H01H73/00 H04B7/00 (Core/Invention); G01R (Subclass/Invention)

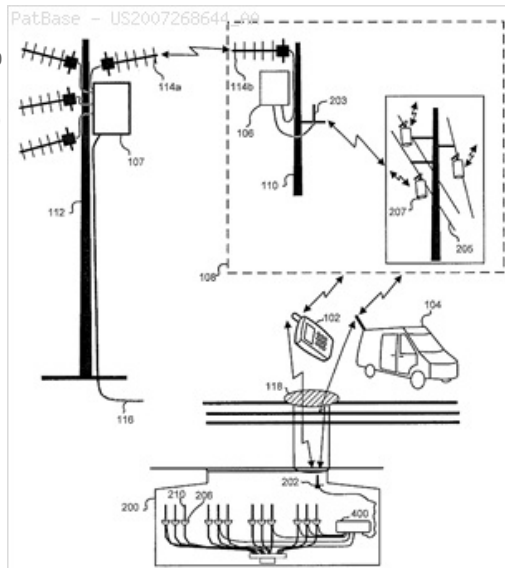
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CPC: H02H1/0069 H02H3/042 Y02E60/7853 Y02E60/7884

Y04S40/126 Y04S40/143 G01D3/08

European: G01D3/08 H02H3/04B T02H1/00E2

US: 324/207.15 324/207.19 324/500 324/522 340/445 340/448 340/538 340/539.1 340/539.22 340/539.26 340/635 340/638 340/639 361/115 455/41.1

**Family:**

Publication number	Publication date	Application number	Application date
AU2007253736 AA	20071129	AU20070253736	20070518
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AU2007253755 AA	20071129	AU20070253755	20070518
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BRPI0711899 A2	20111213	BR2007PI11899	20070518
BRPI0712903 A2	20121009	BR2007PI12903	20070518
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CA2654401 C	20130108	CA20072654401	20070518
CA2654411 AA	20081119	CA20072654411	20070518
CA2654411 C	20131022	CA20072654411	20070518
EP2019969 A2	20090204	EP20070797601	20070518
EP2027479 A2	20090225	EP20070797595	20070518
IN04649KN2008 A	20090313	IN2008KN04649	20081117
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Priority:

US20060802076P 20060519 US20060802219P 20060519 US20070750947 20070518
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Probable Assignee: SCHWEITZER ENGINEERING LAB INC

Assignee(s): (std): ANDERSON LUTHER S ; BOSOLD MARK J ; FEIGHT LAURENCE VIRGIL ; FEIGHT LAURENCE VIRGL ; SCHWEITZER EDMUND O ; PARK DOUGLAS A ; SCHWEITZER ENGINEERING LAB INC ; HICKS DONALD C ; TELLER WITOLD R ; SCHWEITZER ENGINEERING LAB ; SCHWEITZER ENG LABORATORIES INC

Assignee(s): ANDERSEN LUTHER S ; SCHWEITZER EDMUND O III ; SCHWEITZER ENGINEERING LABORATORIES ; SCHWEITZER ENGINEERING LABORATORIES INC

Inventor(s): (std): ANDERSON LUTHER S ; BOSOLD MARK J ; FEIGHT LAURENCE VIRGL ; PARK DOUGLAS A ; SCHWEITZER EDMUND O ; VIRGIL FEIGHT LAURENCE ; TELLOR WITOLD R ; TELLER WITOLD R ; SCHWEITZER III EDMUND O ; SCHWEITZER EDMUND O III ; SCHWEITZER EDMUND O III ; LAURENCE VIRGIL FEIGHT ; HICKS DONALD C ; MARK J BOSOLD ; EDMUND O III SCHWEITZER ; DOUGLAS A PARK ; SCHWEITZER EDMUND ; FEIGHT LAURENCE VIRGIL ; ANDERSEN LUTHER S

Inventor(s): O FEIGHT ; LAURENCE VIRGIL TELLER ; DONALD C HICKS ; BOSOLD MARK ; ANDERSON LUTHER ; WITOLD R HICKS ; SCHWEITZER III EDMUND ; EDMUND O ; LUTHER S ANDERSEN ; HICKS DONALD ; FEIGHT LAURENCE ; EDMUNDO O SCHWEITZER III ; EDMUND O SCHWEITZER III ; EDMUND O SCHWEITZER ; PARK DOUGLAS ; TELLER WITOLD ; WITOLD R TELLER

Agent(s): HERBERT SMITH FREEHILLS; FPA PATENT ATTORNEYS PTY LTD; FREEHILLS PATENT AND TRADE MARK ATTORNEYS; FREEHILLS PATENT ATTORNEYS; RIDOUT AND MAYBEE LLP; SCHMID WOLFGANG; COOK ALEX MCFARRON MANZO CUMMINGS AND MEHLER LTD; EUGENE M

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 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: TRANSMISSION POWER LEVEL ESTIMATION

Abstract: Source: US2002181550A [EN] A model for noise rise of users in relation to an **interference** measure, a pathloss and a desired signal to **interference** ratio is provided. For a selected user, a pathloss, an **interference** measure and a desired signal to **interference** ratio is determined. A noise rise for the selected user is determined using the determined **interference** measure, pathloss, desired signal to **interference** ratio and the noise rise model. The selected user transmission power level is estimated using the determined noise rise.

Classifications:

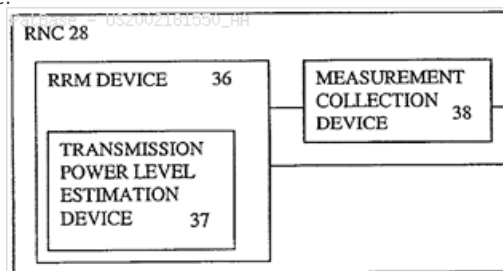
International (IPC 8-9): H04B7/216 H04B1/04 H04B1/69 H04B1/707 H04B17/00 H04B7/00 H04B7/005 H04B7/26 H04J13/00 H04L12/28 H04W24/00 H04W28/16 H04W52/06 H04W52/10 H04W52/14 H04W52/22 H04W52/24 H04W52/34 H04W52/50 H04W84/12 (Advanced/Invention); H04B17/00 H04B17/327 H04B7/005 H04B7/26 H04W28/16 H04W52/16 H04W52/22 H04W52/34 H04W88/12 (Advanced/Non-invention); H04B7/26 H04Q7/38 (Core/Invention)

International (IPC 1-7): H04B1/04 H04B1/69 H04B7/00 H04B7/00 H04B7/005 H04B7/216 H04B7/26 H04G7/00 H04J13/00 H04Q7/38

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European: H04B17/00B1 H04B17/00B7 H04B17/00B8 H04B7/005B2H H04B7/005B2P H04W12/08 H04W21/10 H04W228/16 H04W28/16 H04W52/22T H04W52/22V H04W52/24G H04W52/24H H04W52/24J H04W52/50 T04B17/00B1C T04B17/00B1F T04B7/005B2P T04W252/04 T04W26/04 T04W52/16 T04W52/24J T04W52/24X T04W52/34 T04W52/50

US: 370/310 370/328 370/342 370/342P 375/146 375/146P 455/13.4 455/522 455/7

**Family:**

Publication number	Publication date	Application number	Application date
AT282266 E	20041115	AT20020725944T	20020507
AT345604 E	20061215	AT20020104911T	20020507
AU2002256475 AA	20021125	AU20020256475	20020507
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CN1526207 A	20040901	CN20028009878	20020507
CN1801676 A	20060712	CN200510138172	20020507
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US2005169226 AA	20050804	US20050044092	20050127
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US7613159 BB	20091103	US20050044092	20050127
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WO02093777 A3	20031106	WO2002US14338	20020507

Priority:

CA20022447241	20020507	CA20022638957	20020507	EP20020725944	20020507
EP20040104911	20020507	JP20020590533	20020507	CA20082447241	20081007
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WO2002US14338	20050819	WO2002US14338	20031114		

Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): INTERDIGITAL PATENT CORP ; INTERDIGITAL TECH CORP ; WITHIN A DIGITAL TECHNOLOGY CO

Assignee(s): INTERDIGITAL TECHNOL CORP ; INTERDIGITAL TECHNOLOGY CORP ; INTERDIGITAL TECHNOLOGY CORP WILMINGTON ; ZHANG GUODONG ; ZEIRA ELDAD

Inventor(s): (std): GUODONG ZEIRA ELDAD ZHANG ; GUODONG ZHANG ; ZEIRA ELDAD ; ELDAD ZEIRA ; ZHANG GOU DONG ; ZHANG GOUDONG ; ZHANG GUODONG

Inventor(s): GOUDONG ZHANG ; ZEIRA ELDAD ZHANG GUODONG

Agent(s): RIDOUT AND MAYBEE LLP; VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

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 UZ VN YU ZA ZM ZW

Title: DETECTION OF CABLE NETWORK **INTERFERENCE** ON **WIRELESS** NETWORK

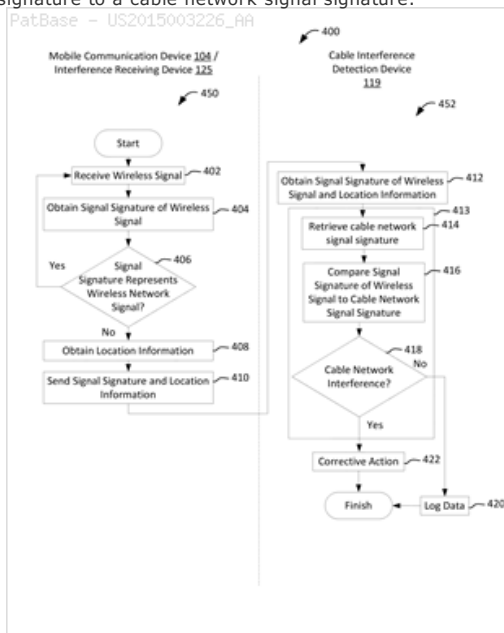
Abstract: Source: US2015003226A [EN] Described are methods and devices for detecting cable network **interference** on a **wireless** network. In one aspect, disclosed is a method, performed by a processor of a cable **interference detection device**, of detecting **interference** in a **wireless** network caused by a cable network. The method includes: obtaining a signal signature of a **wireless** signal received at a receiver of a mobile communication device, the signal signature being a fast fourier transform representation of the **wireless** signal; and determining that the **wireless** signal represents **interference** caused by the cable network by comparing the signal signature to a cable network signal signature.

Classifications:

International (IPC 8-9): H04B1/10 H04B3/46 H04L12/28 H04W16/14 H04W24/00 H04W24/08 H04W4/02 (Advanced/Invention)

CPC: H04W24/08

US: 1/1 370/210



Family:

Publication number	Publication date	Application number	Application date
CA2855410 AA	20141228	CA20142855410	20140716
CA2855410 C	20170328	CA20142855410	20140716
US2015003226 AA	20150101	US20130930237	20130628
US9167460 BB	20151020	US20130930237	20130628

Priority:

US20130930237 20130628

Probable Assignee: ROGERS COMMUNICATIONS INC

Assignee(s): (std): ROGERS COMMUNICATIONS INC

Assignee(s): O LEARY EDWARD AC/O ROGERS COMMUNICATIONS INC.8200 DIXIE ROADBRAMPTONO1L6T 0C1CA ; ROGERS COMMUNICATIONS INC333 BLOOR STREET EASTTORONTOO1M4W 1G9CA ; O LEARY EDWARD A ; BERNARD JEAN YVES ; BERNARD JEAN YVESC/O ROGERS COMMUNICATIONS INC.8200 DIXIE ROADBRAMPTONO1L6T 0C1CA ; HART GEORGE MAYNARD ; HART GEORGE MAYNARD8200 DIXIE ROADBRAMPTONO1L6T 0C1CA

Inventor(s): (std): BERNARD JEAN YVES ; HART GEORGE MAYNARD ; O LEARY EDWARD A

Inventor(s): O LEARY EDWARD AC/O ROGERS COMMUNICATIONS INC.8200 DIXIE ROADBRAMPTONO1L6T 0C1CA ; HART GEORGE MAYNARD8200 DIXIE ROADBRAMPTONO1L6T 0C1CA ; BERNARD JEAN YVESC/O ROGERS COMMUNICATIONS INC.8200 DIXIE ROADBRAMPTONO1L6T 0C1CA

Agent(s): ROWAND LLP

Title: GROUPWISE SUCCESSIVE **INTERFERENCE** CANCELLATION FOR BLOCK TRANSMISSION WITH RECEPTION DIVERSITY

Abstract: Source: US2004141565A [EN] A plurality of data signals are received over an antenna array having a plurality of antenna elements. The data signals are transmitted over a shared spectrum in a **wireless** communication system. A signal having each of the data signals is received over each antenna element. The plurality of data signals are grouped into a plurality of groups. The received signals of the antenna elements are matched filtered for a first group of the plurality of groups, producing a matched filtered result. Data is jointly detected of the first group using the matched filtered result. An **interference** correction signal is constructed using the detected data for each antenna element. The **interference** cancelled result is subtracted from the received signal of each antenna element, producing an **interference** cancelled result for each antenna element. Data is successively detected for remaining groups using the **interference** cancelled result for each antenna element.

Classifications:

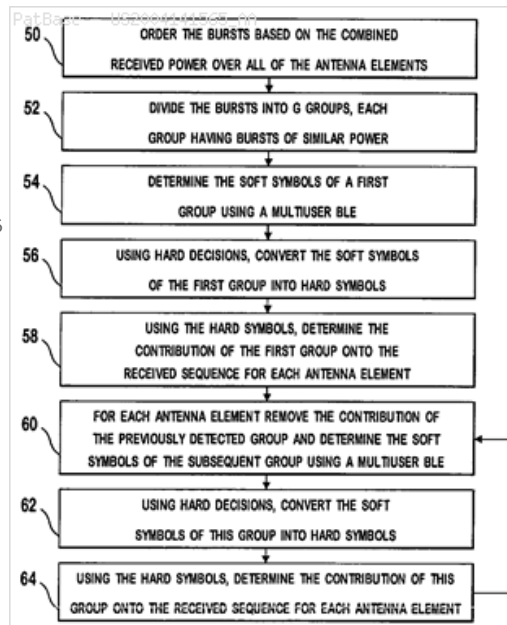
International (IPC 8-9): H04B1/707 H03D1/04 H03D1/06 H03K5/01 H03K6/04 H04B1/10 H04B1/38 H04B1/7097 H04B7/02 H04B7/04 H04B7/08 H04L1/00 H04L1/02 H04L1/06 H04L25/03 H04L25/08 H04L27/01 (Advanced/Invention); H03D1/04 H04B7/02 H04L25/02 (Advanced/Non-invention); H04B1/707 H04B7/02 (Core/Non-invention)

International (IPC 1-7): H03D1/04 H03D1/06 H03K5/01 H03K6/04 H04B1/10 H04B1/707 H04B7/02 H04B7/04 H04B7/08 H04B7/10 H04J13/04 H04L1/00 H04L1/06 H04L25/08

CPC: H04B1/71055 H04B1/7093 H04B1/71072 H04B7/0854 H04L1/06 H04L25/0212 H04L25/0226 H04L25/03305 H04L25/03318

European: H04B1/7105C H04B1/7107A H04B7/08C432 H04L1/06 H04L25/03B7G H04L25/03B7K1 T04B1/707D T04B1/7093 T04L25/02C3 T04L25/02C7A

US: 375/130 375/130P 375/219 375/219P 375/232 375/267 375/267P 375/343 375/343S 375/347 375/347S 375/348 375/349 375/349S 375/35 375/350 375/350S 375/E01.027 375/E01.03 375/E1.001 375/E1.027 375/E1.03 375/E10.01S 375/E10.27S 375/E10.30S

**Family:**

Publication number	Publication date	Application number	Application date
AU2003261194 AA	20040209	AU20030261194	20030718
CA2493195 AA	20050118	CA20032493195	20030718
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US2012314740 AA	20121213	US20120535908	20120628
US7266168 BB	20070904	US20030622306	20030718
US7463694 BB	20081209	US20070897456	20070830
US8284854 BB	20121009	US20080329985	20081208
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Priority:

US20020397361P 20020719	US20030622306 20030718	US20070897456 20070830
US20080329985 20081208	WO2003US22652 20030718	US20120535908 20120628
WO2003US22652 20050118		

Probable Assignee: RAKUTEN INC

Assignee(s): (std) INTERDIGITAL TECH CORP ; INTERDIGITAL TECHNOLOGY CORP ; WITHIN A DIGITAL TECHNOLOGY

CO ; KWAK JAEYOUNG ; ZEIRA ARIELA ; PAN JUNG LIN ; PAN KYLE JUNG LIN ; RAKUTEN INC

Assignee(s): INTERDIGITAL TECHNOLOGY CORPORATIONUS

Inventor(s): (std): ARIELA ZEIRA ; JAE YOUNG KWAK ; JAEYOUNG KWAK ; JUNG LIN PAN ; KWAK JACYOUNG ; KWAK JAE YOUNG ; KWAK JAEYOUNG ; PAN JUNG LIN ; PAN KYLE JUNG LIN ; ZEIRA ARIELA

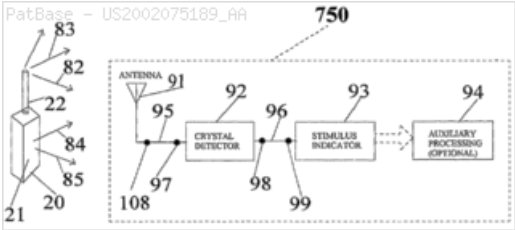
Agent(s): RIDOUT AND MAYBEE LLP; VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

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 NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: CLOSE-PROXIMITY RADIATION **DETECTION DEVICE** FOR DETERMINING RADIATION SHIELDING DEVICE EFFECTIVENESS AND A METHOD THEREFOR

Abstract: Source: US2002075189A [EN] A radiation **detection device** for locally detecting radiation of RF energy emissions from close proximity direct line-of-sight electromagnetic fields emitted by a **wireless** transmit/receive electronic equipment antenna 22 or body 21 such as a cellular telephone, in miniature/planar design form with suitable embedding form-factoring fashioned arrangement capability joined with radiation shielding devices comprising of EMI/RFI material properties in reflecting or deflecting or absorbing or attenuating of electromagnetic fields disposed on the radiation shielding devices effective shielding surface area. The effective shielding surface area is predetermined by the prescribed radiation shielding arrangement dimensions, the direct line-of-sight electromagnetic fields emission behavior and the location placement of the radiation shielding device between the user local human body sensitive tissue area and the **wireless** transmit/receive electronic equipment antenna 22 or chassis body 21. Said radiation **detection device** operates without prerequisite need for a battery or external power source, operationally self-powered by the embodiments of this invention when exposed to electromagnetic field radiation of predetermined thresholding energy level setting for the user's own personal alerting verification and assessment means of suitable predetermined radiation detection measurement tester coupling to radiation shielding devices to encompass an overall shield effectiveness system solution in real-time monitoring response fashion operation. Said radiation shielding devices that would benefit from the coupling to this invention comprises RF shielded wearable garments including and not limited to a hat, RF shielded eyewear articles, RF shielded wearable wrap-around type articles, RF shielded electronic equipment carrying pouches or cases, RF shielded upwardly fan structure arrangement, RF shielded foldable or fixed fan structure arrangement, RF shielded internally pop-up fan mechanism, and RF shielded screen structure arrangement.

Classifications:
International (ipc 8-9): H01Q1/24 H01Q1/27 H01Q9/28 (Advanced/Invention);
H01Q1/24 H01Q1/27 H01Q9/04 (Core/Invention)
International (ipc 1-7): H01Q1/24 H01Q1/52 H01Q9/28
CPC: H01Q1/245 H01Q1/273 H01Q9/285
European: H01Q1/24A1C H01Q1/27C H01Q9/28B
US: 250/336.1 250/366 324/95 343/702 343/703 343/795 343/841



Family:

Publication number	Publication date	Application number	Application date
US2002075189 AA	20020620	US20000740071	20001218
US6492957 BB	20021210	US20000740071	20001218

Priority:

US20000740071 20001218

Probable Assignee: CARILLO JR JUAN C

Assignee(s): (std): CARILLO JAMES S ; CARILLO JR JUAN C ; CARILLO JUAN C

Inventor(s): (std): CARILLO JAMES S ; CARILLO JR JUAN C ; CARILLO JUAN C

Title: CHANNEL ESTIMATION FOR TIME DIVISION DUPLEX COMMUNICATION SYSTEMS

Abstract: Source: US2002006122A [EN] A single transmitter transmits K communication bursts in a shared spectrum in a time slot of a time division duplex communication system. The system associated with N midamble sequences. Each burst has an associated midamble sequence. A receiver receives a vector corresponding to the transmitted midamble sequences of the K communication bursts. A matrix having N identical right circulant matrix blocks is constructed based in part on the known N midamble sequences. The **wireless** channel between the transmitter and receiver is estimated based on in part one of the N blocks and the received vector.

Classifications:

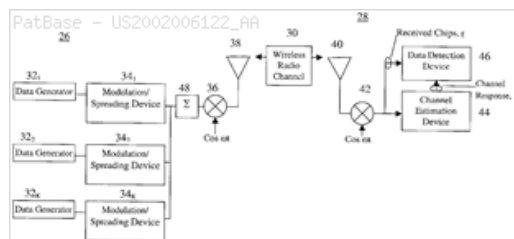
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H04L5/22 H04Q7/22 H04Q7/30 H04Q7/32 H04Q7/38
H04W24/00 (Advanced/Invention);
H04B1/69 H04B7/005 H04J13/00 H04J13/02 H04J3/00 H04L25/02
H04L5/22 H04Q7/38 (Advanced/Non-invention);
H04B1/69 H04B7/005 H04J13/00 H04J13/02 H04J3/00 H04L25/02
H04Q7/38 (Core/Invention);
H04L (Subclass/Invention)

International (IPC 1-7): H04B1/69 H04B7/005 H04B7/216 H04J13/00
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CPC: H04B2201/70709 H04L25/0208 H04L25/0224 H04B1/69 H04B1/692 H04L25/0228 H04B1/7105 H04B1/71052
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H04L25/03331

European: H04B1/69 H04B1/7105A H04L25/02C1 H04L25/02C11A H04L25/02C11A3 H04L25/02C11C H04L25/02C1A
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T04B1/707R1 T04B1/7105 T04B201/707G T04B201/707R1 T04L25/02C7C T04L25/03B7M

US: 370/28 370/280 370/280S 370/294 370/294S 370/335 370/335P 370/342 370/442 375/141 375/141P 375/147 375/147P
375/147S 375/150 375/150P 375/340 375/340S 375/E1.001 375/E1.002 375/E10.01S 375/E10.02S

**Family:**

Publication number	Publication date	Application number	Application date
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AT312459 E	20051215	AT20010006212T	20010105
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AU200127658 A5	20010724	AU20010027658	20010105
CA2396571 AA	20020705	CA20012396571	20010105
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EP1635525 A1	20060315	EP20050111738	20010105
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EP1635525 B8	20071003	EP20050111738	20010105
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ES2218370 T3	20041116	ES20010901796T	20010105
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HK1088154 A1	20080215	HK20060110079	20060912
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Priority:

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Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): INTERDIGITAL TECH CORP

Assignee(s): INTERDIGITAL TECHNOL CORP ; INTERDIGITAL TECHNOLOGY CORP ; ZEIRA ARIELA ; INTERDIGITAL TECHNOLOGY CORP WILMINGTON

Inventor(s): (std): ARIELA ZEIRA ; ZEIRA ARIELA

Agent(s): RIDOUT AND MAYBEE LLP; VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

Designated states: AE AG 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 DZ 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 LU LV MA MC MD MG MK ML MN MR MW MX MZ 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: MULTIUSER DETECTION OF DIFFERING DATA RATE SIGNALS

Abstract: Source: US2004202151A [EN] A first detector receives a received signal and extracts the data signals from the received signal. A hard decision converter converts soft symbols outputted by the first detector into hard symbols. An **interference** canceller extracts the voice signals from the received signal. A second detector is connected to the output of the **interference** canceller, and extracts the individual voice signals. The second detector is a different detector type than the first detector.

Classifications:

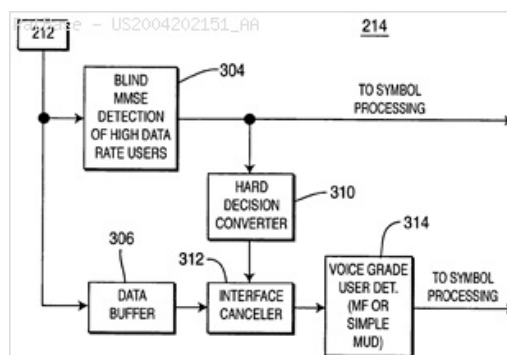
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International (IPC 1-7): G10L G10L0/00 G10L11/00 G10L19/00 H04B1/06 H04B1/38 H04B1/69 H04B1/707 H04B1/713 H04B7/00 H04L12/66

CPC: H04B1/71055 H04B2001/71077 H04B2201/70705 H04B1/7103

European: H04B1/7103 H04B1/7105C T04B1/707F2J2 T04B1/707F2S3 T04B1/707M1 T04B1/7105C T04B1/7107C T04B201/707M1

US: 370/352 370/352P 375/148 375/148P 375/152 375/346 375/E01.024 375/E1.024 375/E1.027 375/E10.24S 375/E10.27S

**Family:**

Publication number	Publication date	Application number	Application date
CA2517432 AA	20050826	CA20042517432	20040301
CN1754323 A	20060329	CN200480005436	20040301
EP1606791 A2	20051221	EP20040716161	20040301
EP1606791 A4	20060614	EP20040716161	20040301
HK1083947 A3	20060714	HK20060106045	20060525
JP2006520128 T2	20060831	JP20060501212T	20040301
KR100828530 B1	20080513	KR20057016382	20040301
KR20050105508 A	20051104	KR20057016382	20040301
KR20070064378 A	20070620	KR20077012020	20070528
MXPA05009349 A1	20051104	MX2005PA09349	20040301
NO20054253 A	20050914	NO20050004253	20050914
TW200423561 A	20041101	TW20040105322	20040301
TW200525913 A	20050801	TW20040127052	20040301
TW200803200 A	20080101	TW20070104183	20040301
TWI259665 B	20060801	TW20040105322	20040301
US2004202151 AA	20041014	US20030731456	20031209
US2006262834 AA	20061123	US20040547485	20040301
US7075973 BB	20060711	US20030731456	20031209
WO04079717 A2	20040916	WO2004US06231	20040301
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Priority:

US20030451593P 20030303 US20030731456 20031209 US20040547485 20040301
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Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): INTERDIGITAL TECH CORP ; INTERDIGITAL TECHNOLOGY CORP ; KAZAKEVICH LEONID ; OZLUTURK FATIH ; REZNIK ALEXANDER ; ZEIRA ARIELA ; WITHIN A DIGITAL TECHNOLOGY CO

Inventor(s): (std): LEONID REZNIK ALEXANDER ZEIRA ; OZLUTURK FAITH ; OZLUTURK FATIH ; OZLUTURK FATIH M ; REZNIK ALEXANDER ; ALEXANDER REZNIK ; KAZAKEVICH LEONID ; ZEIRA ARIELA ; ZEIRA ARLEA

Inventor(s): LEONID KAZAKEVICH ; ARIELA ZEIRA ; FATIH OZLUTURK ; REZNIK ALEXANDER ZEIRA ARIELA OZLUTURK FATIH ; REZNIK ALEXANDER ZEIRA ARIELA OZLUTURK FATIH KAZAK ; REZNIK ALEXANDER ZEIRA ARIELA OZLUTURK FATIH KAZAKEVICH LEONID

Agent(s): RIDOUT AND MAYBEE LLP; VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

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: Endoscope apparatus

Abstract: Source: US2001055061A [EN] Endoscopes comprise image pickup elements for picking up images and transmission circuits and the like for transmitting the picked up images with radio waves of different frequencies. In addition, bar codes to code the frequencies used for transmission are provided to the respective endoscopes, the bar code provided to the endoscope used in endoscope inspection is read on a receiver side, and a reception frequency of a station selection unit is set to the read frequency, so that a signal obtained by a desired endoscope can be easily received and imaged even in case a plurality of endoscopes are used.

Classifications:

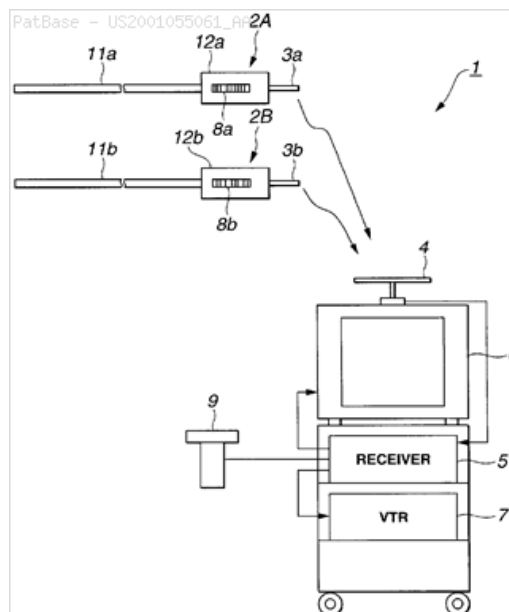
International (ipc 8-9): A61B1/04 G02B23/24 G02B23/26
H04N7/18 (Advanced/Invention)

International (ipc 1-7): A61B1/04 A62B1/04 G02B23/24 G02B23/26
H04N7/18 H04N9/47

CPC: H04N7/181

European: H04N7/18C

US: 348/65 348/65P 348/E07.086 348/E7.086 348/E70.86S 600/109
600/109S 600/112 600/118 600/118P



Family:

Publication number	Publication date	Application number	Application date
JP2001353124 A2	20011225	JP20010038793	20010215
US2001055061 AA	20011227	US20010829845	20010410
US2004082834 AA	20040429	US20030600741	20030620
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US6902529 BB	20050607	US20030600741	20030620

Priority:

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US20030600093 20030620 US20030600741 20030620

Probable Assignee: OLYMPUS CORP

Assignee(s): (std): OLYMPUS CORP ; OLYMPUS OPTICAL CO ; SASAKI KATSUMI ; YAMAUCHI KOJI

Assignee(s): USHIFUSA HIROYUKI ; OLYMPUS OPTICAL CO LTD ; ONISHI JUNICHI ; BANJU KAZUO ; GONO KAZUHIRO ; KAWAI TOMOYASU ; MIURA KEISUKE ; MIYAZAWA TARO ; NAKAMURA TAKEAKI

Inventor(s): (std): BANJU KAZUO ; GONO KAZUHIRO ; YAMAUCHI KOJI ; USHIFUSA HIROYUKI ; SASAKI KATSUMI ; ONISHI JUNICHI ; NAKAMURA TAKEAKI ; MIYAZAWA TARO ; MIURA KEISUKE ; MASU KAZUO ; KAWAI TOMOYASU ; ATONO KAZUHIRO

Agent(s): SCULLY SCOTT MURPHY AND PRESSER

Title: JOINT SIGNAL DEMODULATION IN A LOW AND HIGH DATA RATE CHANNEL ENVIRONMENT

Abstract: Source: US2005277400A [EN] A receiver is capable of demodulating both high data rate and low data rate transmissions. An antenna receives the high and low data rate transmissions, as a received signal. An **interference** canceling device cancels a contribution of at least one shared/common channel from the received signal, producing a first **interference** canceled signal. A first data detector for detecting data of one of the high or low data rate transmissions by processing the first **interference** canceled signal. An **interference** canceling device for canceling the detected data of the one transmissions from the first **interference** canceled signal, producing a second **interference** canceled signal. A second data detector for detecting data of another of the high or low data rate transmissions from the second **interference** canceled signal.

Classifications:

International (IPC 8-9): H04B1/707 H03D1/04 H04B1/06 H04B1/10 H04B1/12 H04B1/16 H04B1/18 H04B1/69 H04B1/7103 H04B15/00 H04B7/216 H04L25/02 H04L25/49 H04W88/02 H04W88/08 (Advanced/Invention);

H04B1/10 H04B1/69 H04B1/707 (Advanced/Non-invention);

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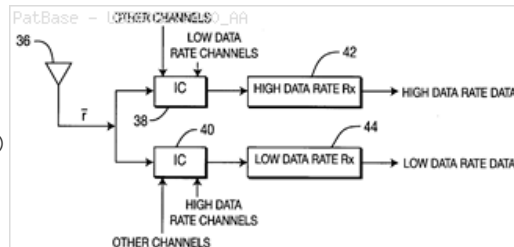
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European: H04B1/7107 H04L25/02J T04B1/707F2S1 T04B1/7107A

US: 370/342 370/342P 375/140 375/285 375/285S 375/346

375/E1.029 375/E10.29S 455/284 455/284P 455/305 455/305S

**Family:**

Publication number	Publication date	Application number	Application date
CA2569629 AA	20061206	CA20052569629	20050609
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Priority:

KR20077000566 20070109 US20040578715P 20040610 US20040587715P 20040610
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Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

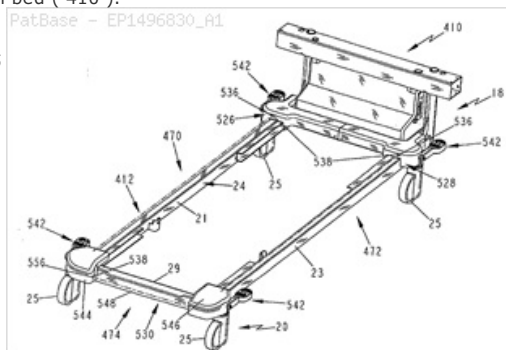
Assignee(s): (std): INTERDIGITAL TECH CORP ; INTERDIGITAL TECHNOLOGY CORP ; SHAH YOGENDRA C ; WITHIN A DIGITAL TECHNOLOGY CO

Inventor(s): (std): SHAH YOGENDRA ; SHAH YOGENDRA C

Inventor(s): YOGENDRA C SHAH

Agent(s): RIDOUT AND MAYBEE LLP; VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

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 KM KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: HOSPITAL BED OBSTACLE **DETECTION DEVICE****Abstract:** Source: EP1496830A1 [EN] A hospital bed obstacle **detection device** (412) and related method for detecting an obstacle between first and second components (24, 26) of a hospital bed (410).**Classifications:****International (IPC 8-9):** A47C19/04 A61G12/00 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057 A61G7/12 B60B33/02 (Advanced/Invention)**International (IPC 1-7):** A61G7/018 A61G7/12**CPC:** A61G7/057 A47C19/045 A61B5/1115 A61G7/00 A61G7/005 A61G7/008 A61G7/015 A61G7/018 A61G7/0507 A61G7/05715 A61G2203/34 A61G2203/72 A61G2203/726 A61G2203/74 B60B33/0005 B60B33/0039 B60B33/0049 B60B33/0057 B60B33/0068 B60B33/0073 B60B33/021 H01H3/142 H01H3/16 A61G7/012 A61G7/05 A61G7/05769 A61G7/0513 A61G7/0527 Y10T307/773**European:** A47C19/04B A61B5/11N4 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057C A61G7/057K A61G7/05S B60B33/00B2 B60B33/00E2 B60B33/00F2 B60B33/00F8 B60B33/00G4A B60B33/00G4C B60B33/02B K61G203/72 K61G203/74 K61G7/05S4A K61G7/05W1**Family:**

Publication number	Publication date	Application number	Application date
AT424798 E	20090315	AT20030721786T	20030421
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CA2482462 AA	20041014	CA20032482462	20030421
DE60326558 D1	20090423	DE20036026558	20030421
EP1496830 A1	20050119	EP20030721786	20030421
EP1496830 B1	20090311	EP20030721786	20030421
EP2055286 A2	20090506	EP20090002423	20030421
EP2055286 A3	20090909	EP20090002423	20030421
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Priority:EP20030721786 20030421 US20020373819P 20020419 US20020408698P 20020906
WO2003US12166 20030421**Probable Assignee:** HILL ROM SERVICES INC**Assignee(s):** (std): HILL ROM SERVICES INC**Assignee(s):** RILEY CARL WILLIAM ; HUSTER KEITH ADAM ; VANDERPOHL IRVIN J III ; FIGEL GREG**Inventor(s):** (std): FIGEL GREG ; HUSTER KEITH ADAM ; RILEY CARL WILLIAM ; VANDERPOHL IRVIN J ; VANDERPOHL IRVIN J III ; VANDERPOHL IRVIN ; RILEY CARL ; HUSTER KEITH**Inventor(s):** IRVIN J ; KEITH ADAM HUSTER ; GREG FIGEL ; CARL WILLIAM RILEY**Agent(s):** MACRAE AND CO; FINDLAY ALICE ROSEMARY ET AL; FINDLAY ALICE ROSEMARY**Designated states:** AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Title: FEMTO CELL SIGNALING GATING

Abstract: Source: US2009280819A [EN] System(s) and method(s) are provided to manage signaling in a femto cell access point. A pilot signal power profile, or pilot signal gating, determines transmitted a time-dependent pilot signal power. The power profile displays a duty cycle well below 100 percent and a power depth, which is the amplitude between maximum and minimum pilot signal power, determined partially upon radio link conditions. The time-dependent power profile can be established through a schedule based at least in part on attachment data or subscriber input; machine-learning method facilitate inferring the schedule. Pilot signal gating profile can be reused in a femto cell deployment to broaden femto cell identification and thus facilitate macro-to-femto handover. Activating/deactivating pilot signal in a femto cell in the scheduled and synchronized manner provided herein leads to macro-femto **interference** mitigation and mobility improvement(s), and improved battery life of **wireless** devices that operate in a **wireless** environment that includes femto cells.

Classifications:

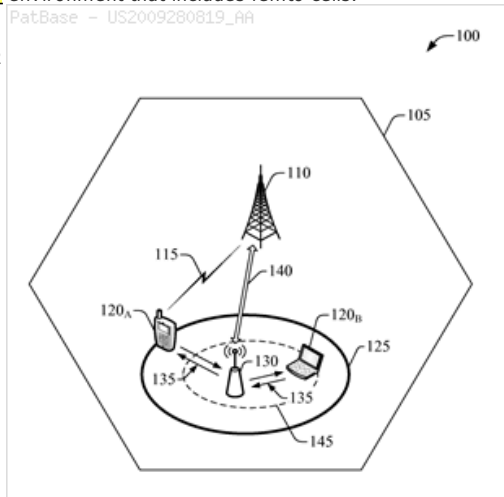
International (IPC 8-9): G06F15/16 G06F17/30 G06F19/00 G06F21/00 G06F7/04 G06Q10/00 G06Q20/00 G06Q20/10 G06Q20/12 G06Q20/32 G06Q20/38 G06Q20/40 G06Q30/00 G06Q30/02 G06Q30/04 G06Q30/06 G06Q50/00 H03J3/26 H04B1/06 H04B1/38 H04B1/3822 H04B7/00 H04B7/005 H04J3/06 H04L12/24 H04L29/06 H04L29/08 H04L5/00 H04L9/32 H04M1/66 H04M11/00 H04M11/04 H04M11/08 H04M15/00 H04M3/00 H04M3/16 H04M3/42 H04M3/487 H04Q7/20 H04W12/00 H04W12/06 H04W12/08 H04W24/00 H04W36/00 H04W4/00 H04W4/02 H04W4/04 H04W4/06 H04W4/12 H04W4/14 H04W4/22 H04W4/24 H04W40/00 H04W40/02 H04W40/20 H04W48/02 H04W48/04 H04W48/08 H04W48/16 H04W48/20 H04W60/00 H04W64/00 H04W68/02 H04W72/00 H04W76/02 H04W8/00 H04W8/20 H04W8/22 H04W84/02 H04W84/04 H04W84/10 H04W88/08 H04W92/02 H4L29/08 (Advanced/Invention); G06F3/0484 H04W24/04 H04W84/04 H04W88/02 H04W88/06 (Advanced/Non-invention); G06F21/00 G06Q10/00 G06Q20/00 G06Q30/00 G06Q50/00 H04B7/005 H04L29/06 H04L29/08 H04L9/32 H04M1/66 H04M11/00 H04M11/04 H04M3/00 H04W12/00 H04W36/00 H04W4/00 H04W4/02 H04W40/00 H04W60/00 H04W72/00 H04W8/00 H04W84/02 (Core/Invention)

CPC: H04W52/143 H04W52/28 H04L5/0048 H04L5/0078 H04W52/244 H04W52/325 H04W52/44 H01L63/101 H04L63/108 H04L2209/80

G06Q20/1235 G06Q20/32 G06Q20/322 G06Q20/3223 G06Q20/387 G06Q20/405 G06Q30/02 G06Q30/0222 G06Q30/0261 G06Q30/0601 H04W48/08 H04M15/8038 H04W60/00 H04W8/22 H04W88/08 H04W4/02 H04L41/0803 H04W8/20 H04W48/16 G06Q30/016 H04W24/00 H04W24/04 H04W84/045 H04L41/0806 H04W64/003 H04M15/68 H04W64/006 H04W68/02 H04W48/20 H04W4/023 H04W4/027 H04W48/02 H04W40/20 H04W4/12 H04W48/04 H04B1/3822 H04W4/24 H04M15/73 G06Q20/102 H04L63/0876 H04L63/102 H04L63/04 G05B2219/2614 H04W40/02 H04M1/72572 H04W8/205 H04L63/101 H04W4/046 H04L63/0853 H04W4/14 G06F3/0484 H04W88/02 H04W88/06 H04W12/06 H04W12/08 G16H40/63 H04W76/10 H04W76/12 H04W4/90

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**Family:**

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Probable Assignee: AT AND T INTELLECTUAL PROPERTY I LP

Assignee(s): (std): AT AND T IP I LP ; AT AND T MOBILITY II LLC ; AT T MOBILITY II LLC ; AT AND T SERVICES INC ; AT AND T MOBILITY II LLC ; DAVIS JOHN POTTS ; CHAMBERS ROBERT BRYON ; COLLIER VICTORIA ; BRISEBOIS ARTHUR RICHARD ; BRISEBOIS ARTHUR ; ADAMS WILLIAM ; AT AND T INTELLECTUAL PROPERTY I ; AT AND T INTELLECTUAL PROPERTY I L P ; MANSFIELD WILLIAM GORDON ; FLYNN JUDSON JOHN ; HUBER KURT DONALD ; PORTER GERALD V ; DOWNIE ALFREDA ; SEYMOUR JEFFEREY THOMAS ; SAHOO DIPAK KUMAR ; GURAJALA RAVINDRA BABU ; ZDROIK GLEN ; GLASS DAVID RAYMOND ; NEELAKANTAN RAHUL ; PITASSI THOMAS JOSEPH ; LOTT ROBERT WAYNE ; FAVOR STEPHEN LEON ; DIEFENBACH DANIELA PECHOVA ; RAINER BRIAN KEITH ; RULIFSON LIANE F ; SACK EWA MONIKA REPPLING

Assignee(s): MICROSOFT CORP ; AT AND T INTELLECTUAL PROPERTY I LP ; AT AND T MOBILITY II LLC1025 LENOX PARK BLVD., NEATLANTAGA30319US

Inventor(s): (std): AT T MOBILITY II LLC ; BRISEBOIS ARTHUR ; BRISEBOIS ARTHUR RICHARD ; CHAMBERS ROBERT BRYON ; COLLIER VICTORIA ; DAVIS JOHN POTTS ; DIEFENBACH DANIELA PECHOVA ; DONALD HUBER KURT ; DOWNIE ALFREDA ; FAVOR STEPHEN LEON ; FLYNN JUDSON JOHN ; GLASS DAVID RAYMOND ; GORDON MANSFIELD WILLIAM ; GURAJALA RAVINDRA BABU ; HUBER KURT DONALD ; JOHN FLYNN JUDSON ; JUDSON JOHN FLYNN ; KURT DONALD HUBER ; LOTT ROBERT WAYNE ; MANSFIELD WILLIAM GORDON ; NEELAKANTAN RAHUL ; PITASSI THOMAS JOSEPH ; PORTER GERALD V ; RAINER BRIAN KEITH ; RULIFSON LIANE F ; SACK EWA MONIKA REPPLING ; SAHOO DIPAK KUMAR ; SEYMOUR JEFFEREY THOMAS ; WILLIAM GORDON MANSFIELD ; ZDROIK GLEN ; ADAMS WILLIAM

Inventor(s): AT AND T MOBILITY II LLC ; MANSFIELD WILLIAM GORDONUS ; HUBER KURT DONALDUS ; FLYNN JUDSON JOHNUS

Agent(s): KIRBY EADES GALE BAKER; HAGMANN SMITH MARTIN P; OKABE YUZURU; KATO NOBUAKI; ASahi NOBUMITSU; AT AND T LEGAL DEPARTMENT T AND W ATTN PATENT DOCKETING; TUROC Y AND WATSON LLP; AMIN TUROC Y AND WATSON LLP; TUROC Y GREGORY ET AL

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

Title: Victim System Detector, Method of Detecting a Victim System, **Wireless** Communication Device and **Wireless** Communication Method

Abstract: Source: US2010165827A [EN] A victim system detector for detecting whether a second **wireless** communication system uses frequency bands that are used by a first **wireless** communication system (detecting whether the second **wireless** communication system is a victim system) includes a correlator and a decision unit. The correlator calculates a correlation value between a frequency domain baseband signal associated with the first **wireless** communication system and a correlation sequence of the second **wireless** communication system. The decision unit determines, based on the correlation value, whether the second **wireless** communication system is a victim system. Therefore, the victim system is detected accurately and efficiently.

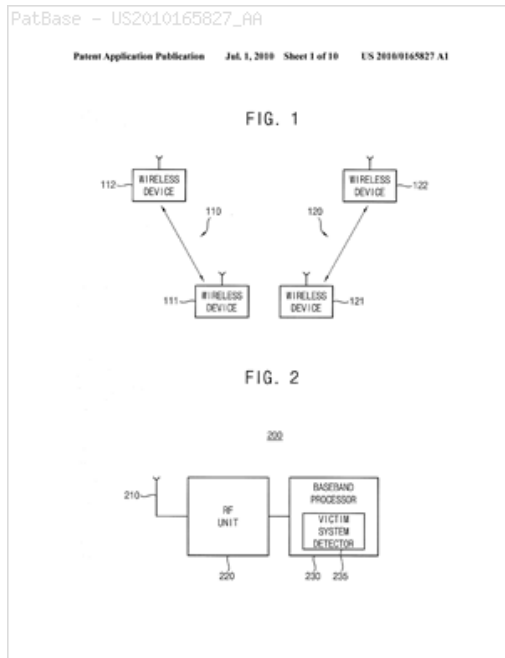
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International (IPC 8-9): H04B1/69 H04B1/709 H04B15/00 H04J1/12 H04J1/16 H04W48/16 H04W88/02 (Advanced/Invention); H04B1/69 H04B15/00 H04W48/16 H04W88/02 (Advanced/Non-invention)

CPC: H04W16/14

European: H04W16/14

US: 370/201 370/201P 370/241 370/343 455/66.1 455/67.1



Family:

Publication number	Publication date	Application number	Application date
■ KR101544705 B1	20150817	KR20080135263	20081229
■ KR20100077347 A	20100708	KR20080135263	20081229
■ US2010165827 AA	20100701	US20090397876	20090304
■ US8437260 BB	20130507	US20090397876	20090304

Priority:

KR20080135263 20081229

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): JUNG YUN HO ; KIM JAE SEOK ; LEE SANG MIN ; KIM JI HO ; ROH JAE DO ; IND ACADEMIC COOP ; SAMSUNG ELECTRONICS CO LTD ; UNIV YONSEI IACF

Assignee(s): INDUSTRY ACADEMIC COOPERATION FOUNDATION YONSEI UNIVERSITY ; SAMSUNG ELECTRONICS CO ; ACADEMIC COOPERATION FOUNDATION YONSEI UNIV IND

Inventor(s): (std): JUNG YUN HO ; KIM JAE SEOK ; KIM JI HO ; LEE SANG MIN ; ROH JAE DO ; ROH JAE HO

Agent(s): F CHAU AND ASSOCIATES LLC

Title: METHOD AND APPARATUS FOR BLIND CODE DETECTION

Abstract: Source: US2003223398A [EN] The present invention is a receiver which includes a blind code **detection device** for determining the identity of a plurality of channels over which information is to be transmitted when the identity of all channels is not known by the receiver. The blind code **detection device** generates a candidate channel list filled with the identity of selected channels out of the plurality of channels. A multi-user **detection device**, responsive to the blind code **detection device**, processes those channels in the candidate code list.

Classifications:

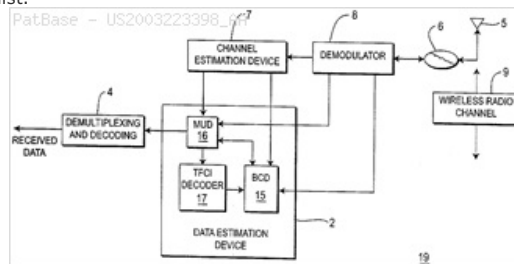
International (IPC 8-9): H04B1/18 H04B1/69 H04B1/707
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H04W4/00 H04W40/02 H04W72/02 H04W76/02 H04W76/18
H04W8/00 H04W88/00 H04W88/02 (Advanced/Invention);
H04B1/69 H04B7/216 H04J11/00 H04W40/02 H04W76/02
H04W88/02 (Advanced/Non-invention);
H04B7/204 H04W76/00 (Core/Invention);
H04W (Subclass/Invention)

International (IPC 1-7): H04B1/18 H04B1/707 H04B1/76 H04B7/216
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European: H04B1/7073A H04B1/7105 T04B1/7073A T04B1/707A11 T04B1/707F2J T04B1/7105

US: 370/310 370/332 370/335 370/335P 370/342 370/342P 370/342S 370/432 370/479 370/479S 370/503 375/148
375/148S 375/E1.002 375/E1.025 375/E10.02S 375/E10.25S

**Family:**

Publication number	Publication date	Application number	Application date
AU2003230729 AA	20031013	AU20030230729	20030325
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Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): DIFAZIO ROBERT A ; HAIM JOHN W ; INTERDIGITAL TECH CORP ; INTERDIGITAL TECHNOLOGY CORP

; KIM YOUNGLOK ; ZEIRA ARIELA ; OH HYUN SEOK ; WITHIN A DIGITAL TECHNOLOGY CO
Assignee(s): INTERDIGITAL TECHNOLOGY CORP WILMINGTON ; INTERDIGITAL TECHNOL CORP
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; OH HYUN SEOK ; YOUNGLOK KIM ; ZEIRA ARIELA ; KIM YOUNGLIK ; ROBERT A DIFAZIO ; KIM
YOUNG LOK
Inventor(s): ZEIRA ARIELA HUNTINGTON ; HAIM JOHN W BALDWIN ; DIFAZIO ROBERT A GREENLAWN ; ZIERA
ARIELA
Agent(s): RIDOUT AND MAYBEE LLP; PIERROU MATTIAS; ENGDAHL STEFAN; REINHOLD COHN AND PARTNERS;
VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC
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 NI NL NO NZ OM PH PL PT RO RU
SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Title: GATHERING DATA CONCERNING PUBLICATION USAGE

Abstract: Source: US2005268798A [EN] Methods and systems for measuring and gathering data relating to publication usage by participants in publication readership studies. Some methods and systems employ portable monitors carried by participants of the studies along with publications fitted with various devices, such as piezoelectric transducers, RFID tags and others devices and circuits.

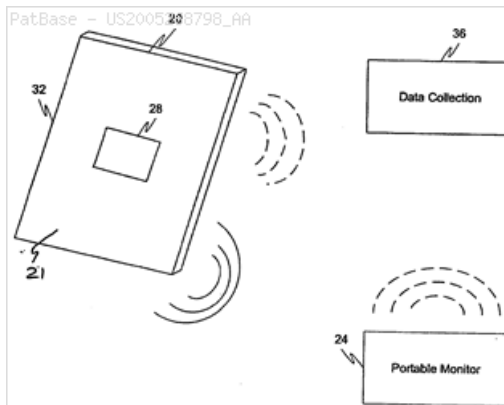
Classifications:

International (IPC 8-9): B42D1/00 B42D15/00 B42D19/00 B42D3/18 B42D5/00 B65D25/20 G01L1/24 G01L5/16 G01M19/00 G01M99/00 G06F15/02 G06F17/30 G06F17/40 G06F19/00 G06K19/067 G06K19/07 G06K7/08 G06Q10/00 G06Q30/00 G06Q30/02 G06Q99/00 G07C11/00 G08B13/14 G08B21/00 G08B23/00 G08C17/02 G09B19/00 G09B5/00 G11B5/09 G11B7/00 H01L41/08 H04B1/59 H04B5/00 H04K1/00 H04M11/00 H04N21/258 H04N21/442 H04N7/16 H04W84/18 (Advanced/Invention); B42D3/18 G06F15/02 G06F19/00 H04N7/16 (Advanced/Non-invention); H04M11/00 (Core/Invention); G08B H04K (Subclass/Invention)

International (IPC 1-7): G01M19/00 G09B19/00 G11B5/09 H04N7/16
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US: 1/1 101/72 101/72P 101/85 101/85S 200/506 200/506S 281/15.1 281/2 281/3.1 281/38 281/5 281/51 283/72 283/72P 283/85 340/3.3 340/309.16 340/5.92 340/521 340/521S 340/539.22 340/539.220S 340/540 340/572.1 340/573.1 340/825.69 340/870.01 340/870.010S 369/100 369/100P 434/236 434/236P 434/308 434/317 455/403 455/403P 702/113 702/187 705/10 705/10P 725/13 725/13P 725/14 725/14S 73/800 73/865.3 73/865.9



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: NIELSEN CO US LLC

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Agent(s): PIZZEYS; SPRUSON AND FERGUSON; PERRY AND CURRIER; ROWAND LLP; SAMSON AND PARTNER PATENTANWAELTE; CROSS RUPERT EDWARD BLOUNT; ATTENTION PATENTS COWAN LIEBOWITZ AND LATMAN PC; PATENT DOCKET CLERK COWAN LIEBOWITZ AND LATMAN PC; EUGENE L; COWAN LIEBOWITZ AND LATMAN PC; KATTEN MUCHIN ROSENMAN LLP; ZURA PETER; PETER; BARNES AND THORNBURG LLP; HANLEY FLIGHT AND ZIMMERMAN LLC

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

Title: APPARATUS AND METHOD FOR **WIRELESS**/WIRED COMMUNICATIONS INTERFACE

Abstract: Source: US2003142631A [EN] An apparatus and method for **wireless**/wired Bluetooth(TM) communications interface are described. The method includes detection of a communications configuration of a device as one of a **wireless** communications interface and a **wireless**/wired communications interface. Once detected, it is determined whether a wired/**wireless** communications interface is the communications interface of the device. When such is the case, a data transmission error rate of the device is determined during operation of the device in a **wireless** communications mode. Next, the device is switched from the **wireless** communications mode to a wired communications mode when the data transmission error rate caused by **wireless** radio **interference** of the device exceeds a pre-determined threshold. As such, the present invention allows Bluetooth(TM) **wireless** communications devices to utilize a wired communications mode when transmission error rate exceeds a pre-determined threshold.

Classifications:

International (IPC 8-9): H04J1/16 H04L1/00 H04L12/28
H04L12/56 (Advanced/Invention);
H04L1/18 (Advanced/Non-invention);
H04J1/00 H04L1/00 H04L12/28 H04L12/56 (Core/Invention);
H04L1/16 (Core/Non-invention)

International (IPC 1-7): H04J1/16

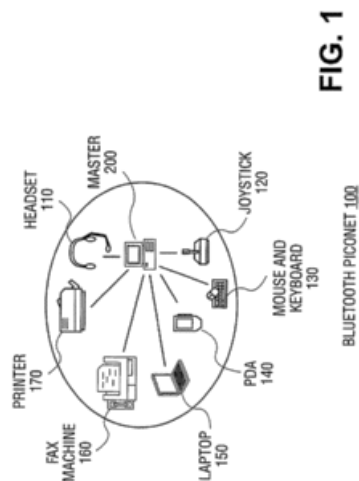
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European: T04L1/18 T04W24/00 T04W28/04 T04W84/18
T04W92/00

US: 370/216 370/242 370/252 370/252P 370/338 370/386 370/386S
455/552.1

PatBase - US2003142631_AA

Patent Application Publication Jul. 31, 2003 Sheet 1 of 11 US 2003/0142631 A1



Family:

Publication number	Publication date	Application number	Application date
US2003142631 AA	20030731	US20020060757	20020129
US7336602 BB	20080226	US20020060757	20020129

Priority:

US20020060757 20020129

Probable Assignee: INTEL CORP

Assignee(s): (std): INTEL CORP

Assignee(s): SILVESTER KELAN C

Inventor(s): (std): SILVESTER KELAN C

Agent(s): BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP

Title: HANDHELD PERSONAL DATA ASSISTANT (PDA) WITH A MEDICAL DEVICE AND METHOD OF USING THE SAME

Abstract: Source: US2002002326A [EN] A medical device module for use in a system with a remote programmer and/or a personal data assistant (PDA) with at least one medical device includes a housing, at least one medical device and a processor. The housing is adapted to couple with the PDA. The at least one medical device interface is coupled to the housing for interfacing with the at least one medical device. The processor is coupled to the at least one medical device interface to process data from the at least one medical device. The processor is also capable of interfacing with the PDA.

Classifications:

International (IPC 8-9): A61B1/00 A61B10/00 A61B5/00 A61B5/145 A61B5/1468 A61B5/1473 A61B5/1486 A61B5/157 A61G99/00 A61K9/22 A61M1/00 A61M31/00 A61M37/00 A61M5/00 A61M5/14 A61M5/142 A61M5/168 A61M5/172 A61M5/20 A61M5/36 A61N1/372 G01N27/416 G01N33/483 G01N33/487 G01N37/00 G04G15/00 G05B19/00 G06F17/00 G06F17/40 G06F19/00 G08B21/00 G08C17/02 G08C19/22 H04B7/00 H04L7/00 H04Q9/00 H04W88/02 H04W92/00 (Advanced/Invention); A61B10/00 A61B5/145 A61B5/1455 A61B5/1486 A61B5/155 A61M5/00 A61M5/14 A61M5/142 A61M5/172 A61M5/36 G01N27/416 G01N33/483 G04G15/00 G06F15/02 G06F19/00 H04W88/02 (Advanced/Non-invention); A61B1/00 A61B10/00 A61B5/00 A61B5/145 A61M5/168 G01N27/416 G01N33/483 G01N33/487 G08C17/00 G08C19/16 H04L7/00 H04Q9/00 (Core/Invention)

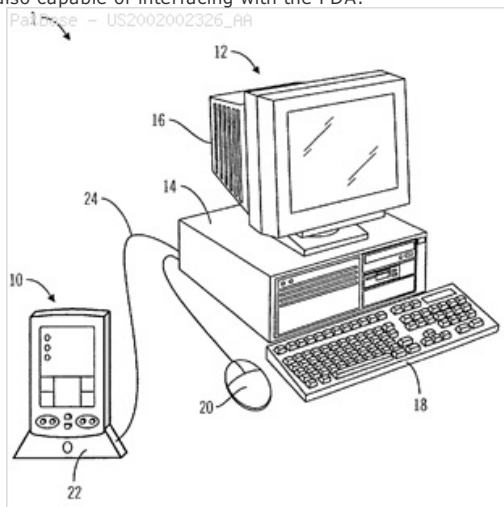
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European: A61B5/00B A61B5/00B8 A61B5/00B9 A61B5/145G A61B5/1473 A61B5/1486B A61B5/1495 A61B5/68D1B A61B5/68D1B2 A61B5/74M A61M5/142G8 A61M5/142P A61M5/168A11 A61M5/172 A61N1/372D4 G06F19/34A1 K61B5/00B K61B5/00B9 K61B5/1455 K61B5/145G K61B5/1486 K61B5/1495 K61B560/02B4 K61B560/02D K61B560/02H2 K61B560/04M K61B562/02S K61M205/18 K61M205/33P10 K61M205/35R2 K61M205/35T2 K61M205/58B K61M205/58C K61M209/01 K61M5/142P K61M5/142P2 K61M5/14A8 K61M5/168D4 K61M5/172B2 K61M5/36 K61M5/36B S06F19/34L3

US: 1/1 128/897 128/903 128/920 128/DIG.012 128/DIG.012 128/DIG.12 128/DIG.12S 340/5.61 340/5.64 340/502 340/504 340/539.1 340/539.12 340/539.120S 340/56.1 340/56.4 340/561 340/564 340/654 340/691.6 340/870.07 340/870.070P 340/870.28 340/870.280P 341/176 341/176S 455/41.2 455/412 455/420 600/300 600/300P 600/300S 600/301 600/316 600/347 600/365 600/365P 604/122 604/131 604/131P 604/151 604/154 604/207 604/246 604/31 604/500 604/506 604/65 604/65P 604/66 604/67 604/67P 604/67S 604/890.1 604/890.100P 604/890.100S 607/32 607/32S 700/282 700/9 700/9 700/90 700/90P 700/90S



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: MINIMED INC

Assignee(s): (std): CHERNOFF EDWARD ; CHOY DAVID Y ; GUT ADRIAN ; HAGUE CLIFF ; HAGUE CLIFFORD W ; MEDTRONIC MINIMED INC ; HENKE JAMES L ; MANN ALFRED E ; MASTROTOTARO JOHN J ; HENKE JAMES ; HONG PETER ; LIVINGSTON JOHN H ; HITE BRAD T ; HONG PETER I ; MEDTRONIC INC ; MEDTRONIC MINIMED INC ; MALAVE LUIS J ; HAUBACH ALAN ; BISHOP DENNIS P ; CAUSEY III JAMES D ; CAUSEY JAMES D ; MINIMED INC ; PURVIS RICHARD E ; RUPPERT DEBORAH ; YONEMOTO JAY ; LIVINGSTON JOHN ; MURTFELDT BOB ; SRISATHAPAT CHAD

Assignee(s): MEDTRONIC MINIMED INC NORTHRIDGE ; MURTFELDT ROBERT ; YONEMOTO JAY A ; VAN ANTWERP WILLIAM P ; SRISATHAPAT CHALIRMKIERT ; CAUSEY JAMES D III ; MASTROTOTARO JOHN JOSEPH ; KOVELMAN PAUL H

Inventor(s): (std): BISHOP P ; CAUSEY D ; CAUSEY III JAMES D ; CAUSEY JAMES D ; CAUSEY JAMES D III ; CHERNOFF EDWARD ; CHOY DAVID Y ; HAGUE CLIFFORD W ; HAGUE CLIFORD W ; HAGUE W ; HENKE JAMES ; HENKE JAMES L ; HONG PETER I ; JAMES CAUSEY D ; LIVINGSTON H ; LIVINGSTON JOHN ; LIVINGSTON JOHN H ; MALAVE J ; MALAVE LUIS J ; MANN E ; MASTROTOTARO JOHN J ; MANN ALFRED E ; MURTFELDT BOB ; MURTFELDT ROBERT ; PURVIS RICHARD E ; RUPPERT DEBORAH ; SRISATHAPAT CHAD ; SRISATHAPAT CHALIRMKIERT ; YONEMOTO JAY ; YONEMOTO JAY A ; KOVELMAN PAUL ; HAUBACH ALAN ; HAGUE CLIFF ; GUT ADRIAN ; CAUSEY JAMES ; BISHOP DENNIS P ; PETER HONG ; MURTFELDT ROBERT ; MASTROTOTARO JOHN JOSEPH ; VAN ANTWERP WILLIAM P ; RICHARD E PURVIS ; LUIS J MALAVE ; JOHN J MASTROTOTARO ; JOHN H LIVINGSTON ; JAY YONEMOTO ; JAMES HENKE ; JAMES D CAUSEY ; HITE BRAD T ; DENNIS P BISHOP ; DEBORAH RUPPERT ; COLMAN FREDRIC C ; CLIFFORD W HAGUE ; CHALIRMKIERT SRISATHAPAT ; ARIA BEHRAD ; ALFRED E MANN ; ALAN HAUBACH ; MASTROTOTARO JOHN T ; KOVELMAN PAUL H ; HONG PETER ; ANTWERP WILLIAM P VAN

Inventor(s): PAUL H KOVELMAN ; HITE BRAD ; HAGUE CLIFFORD ; JOHN T MASTROTOTARO ; PURVIS RICHARD ; MASTROTOTARO JOHN ; WILLIAM P VAN ANTWERP ; YONEMOTO JAY DIAMOND BAR ; SRISATHAPAT CHALIRMKIERT SUN VALLEY ; RUPPERT DEBORAH SANTA MONICA ; PURVIS RICHARD E PASADENA ; MURTFELDT ROBERT LA CANADA ; MANN ALFRED E BEVERLY HILLS ; MASTROTOTARO JOHN J LOS ANGELES ; MURTFELDT ROBERT LA CANADA ; MALAVE LUIS J WALTHAM ; MANN ALFRED ; MALAVE LUIS ; LIVINGSTON JOHN H NEWPORT BEACH ; KOVELMAN PAUL H SIMI VALLEY ; HONG PETER SANTA CLARITA ; III JAMES D ; HENKE JAMES PMB 168 SIMI VALLEY ; HENKE JAMES SIMI VALLEY ; HITE BRAD T VALENCIA ; HAUBACH ALAN CARLSBAD ; HAGUE CLIFFORD W AVALON ; HAGUE CLIFFORD W SHERMAN OAKS ; GUT ADRIAN LOS ANGELES ; CHOY DAVID ; CAUSEY JAMES D III LOS ALTOS ; CAUSEY JAMES D III SIMI VALLEY ; CAUSEY JAMES D SIMI VALLEY ; CAUSEY JAMES DIII ; CAUSEY III JAMES D LOS ALTOS ; CAUSEY III JAMES ; CAUSEY ; BISHOP DENNIS ; BISHOP DENNIS P VAN NUYS

Agent(s): OYEN WIGGS GREEN AND MUTALA LLP; RUSCHKE MADGWICK SEIDE AND KOLLEGEN
PATENTANWAELTE PATENT ATTORNEY UK PARTG MBB; RUSCHKE HANS EDVARD; AJIT S NARANG ESQ

MEDTRONIC MINIMED INC; PILLSBURY WINTHROP SHAW PITTMAN LLP; MEDTRONIC MINIMED INC;
SHUMAKER AND SIEFFERT P A; SHUMAKER AND SIEFFERT PA

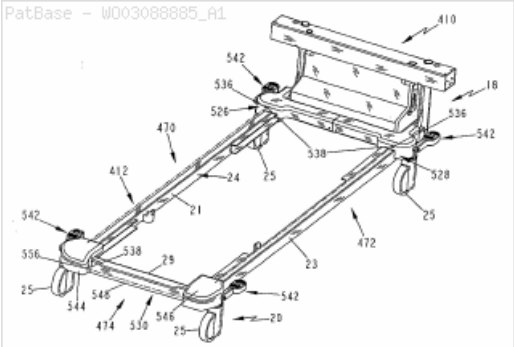
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LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL
SN SZ TD TG TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Title: HOSPITAL BED OBSTACLE **DETECTION DEVICE** AND METHOD

Abstract: A hospital bed obstacle **detection device** (412) and related method for detecting an obstacle between first and second components (24, 26) of a hospital bed (410).

Classifications:

International (IPC 8-9): A47C19/04 A61G12/00 A61G7/00
A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05
A61G7/057 A61G7/12 B60B33/02 (Advanced/Invention);
A61G7/012 H01H3/16 (Advanced/Non-invention)
International (IPC 1-7): A61G7/018 A61G7/12 A61G7/18
CPC: A61G7/057 A47C19/045 A61B5/1115 A61G7/00 A61G7/005
A61G7/008 A61G7/015 A61G7/018 A61G7/0507 A61G7/05715
A61G2203/34 A61G2203/72 A61G2203/726 A61G2203/74
B60B33/0005 B60B33/0039 B60B33/0049 B60B33/0057
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A61G7/012 A61G7/05 A61G7/05769 A61G7/0513 A61G7/0527
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European: A47C19/04B A61B5/11N4 A61G7/00 A61G7/005
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B60B33/02B K61G203/72 K61G203/74 K61G7/05S4A K61G7/05W1



Family:

Publication number	Publication date	Application number	Application date
EP2319473 A2	20110511	EP20100011366	20030421
EP2319473 A3	20140430	EP20100011366	20030421
WO03088885 A1	20031030	WO2003US12166	20030421

Priority:

EP20030721786 20030421 EP20090002423 20030421 US20020373819P 20020419
US20020408698P 20020906

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): FIGEL GREG ; HILL ROM SERVICES INC ; HUSTER KEITH ADAM ; RILEY CARL WILLIAM ; VANDERPOHL IRVIN J III

Assignee(s): VANDERPOHL IRVIN J

Inventor(s): (std): FIGEL GREG ; HUSTER KEITH ADAM ; RILEY CARL WILLIAM ; VANDERPOHL IRVIN J ; VANDERPOHL IRVIN J III

Agent(s): PONDER WILLIAM ANTHONY JOHN

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 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 SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: APPARATUS AND METHOD FOR **WIRELESS** COMMUNICATION

Abstract: Source: US2006286935A [EN] There is disclosed a **wireless** communication apparatus using any of a plurality communication bands. A **detection device** detects a cyclic **interference** with a first communication band of the plurality of communication bands. An assignment device assigns the first communication band to an extension channel and assigns a second communication band of the plurality of communication bands to a control channel, when the cyclic **interference** has been detected by the **detection device**. Accordingly, a communication device performs **wireless** communication using the control channel and the extension channel.

Classifications:

International (IPC 8-9): H04B1/00 H04B7/26

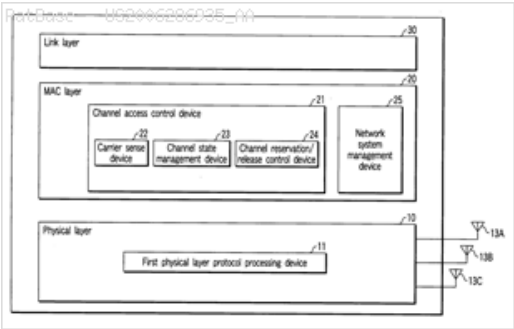
H04L12/28 (Advanced/Invention);

H04B1/00 H04B7/26 (Core/Invention)

CPC: H04W16/14 H04W72/02 H04W72/08 H04W88/02

European: H04W216/14 H04W8/08 T04W272/02 T04W272/08
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US: 370/445 370/445S 455/62 455/62S 455/63.1 455/63.100P



Family:

Publication number	Publication date	Application number	Application date
EP1760948 A1	20070307	EP20060253149	20060619
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US2006286935 AA	20061221	US20060455841	20060620

Priority:

JP20050180745 20050621

Probable Assignee: TOSHIBA KK

Assignee(s): (std): OGURA KOJI ; SATO KAZUMI ; TAKEDA DAISUKE ; UTSUNOMIYA YORIKO ; TANDAI TOMOYA ; TOSHIBA KK ; TOSHIBA CORP ; ADACHI TOMOKO

Assignee(s): KABUSHIKI KAISHA TOSHIBA

Inventor(s): (std): ADACHI TOMOKO ; OGURA KOJI ; SATO KAZUMI ; TAKEDA DAISUKE ; TANDAI TOMOYA ; UTSUNOMIYA YORIKO

Agent(s): C IRVIN MCCLELLAND OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC

Designated states: AL BA DE FR GB HR MK YU

Title: JAMMING DETECTION METHOD AND DEVICE

Abstract: Source: US2016330069A [EN] Jamming **detection device** (7) and method, which scan one or more frequency bands (201, 401, 402) and, if jamming is detected in said frequency bands (201, 401, 402), transmits an alarm signal through an ultra narrow band network (8). Preferably, both an ISM network (2) connecting a control panel (3) and at least one peripheral (1), and a GSM network (4) connecting the control panel (3) and a back end service (5), are scanned. Also preferably, the ultra narrow band network (8) is implemented over the same frequency band (801) as the ISM network (2) connecting the control panel (3) and the least one peripheral (1).

Classifications:

International (IPC 8-9): G08B13/00 G08B13/04 G08B13/10

G08B25/10 G08B26/00 G08B29/04 G08B29/08 G08B29/12

G08B29/18 H04B1/10 H04K3/00 H04L12/24 H04L12/26

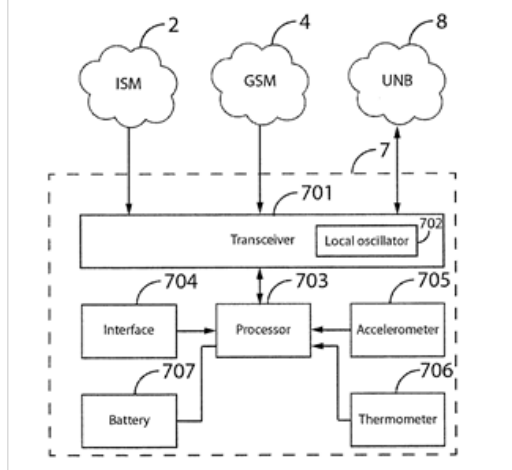
H04W72/04 (Advanced/Invention)

CPC: H04L41/0631 H04W72/0453 H04L43/16 H04K3/22 G08B29/046

G08B25/10 G08B26/007 G08B29/08 G08B29/123

US: 455/303

PatBase - US2016330069_AA



Family:

Publication number	Publication date	Application number	Application date
AR104547 AA	20170726	AR2016P101302	20160506
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CL2016001103 A1	20170217	CL20160001103	20160506
CO16119034 A1	20170321	CO20160119034	20160506
EP3091519 A1	20161109	EP20150382243	20150508
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Priority:

EP20150382243 20150508

Probable Assignee: VERISURE SARL

Assignee(s): (std): SECURITAS DIRECT AB ; SECURITAS DIRECT AKTIEBOLAG ; VERISURE SARL

Inventor(s): (std): NGEL PIORNO IGLESIAS ; NOBLE ECHEVERRIA JON ; NORDMARK MR PER LARS ; NORDMARK PER LARS ; PER LARS NORDMARK ; PIONOR IGLESIAS ANGEL ; PIORNO IGLESIAS ANGEL ; PIORNO IGLESIAS MR ANGEL ; ECHEVERRIA JON NOBLE ; IGLESIAS ANGEL PIORNO ; JON NOBLE ECHEVERRIA

Inventor(s): JON NOBLE ECHEVERRIA ; MR ANGEL PIORNO IGLESIAS ; MR JON NOBLE ECHEVERRIA ; MR PER LARS NORDMARK ; ANGEL PIORNO IGLESIAS

Agent(s): JORGE GARAY P; JAIME EDUARDO DELGADO VILLEGAS; BALDER IP LAW SL

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: HOSPITAL BED OBSTACLE **DETECTION DEVICE** AND METHOD

Abstract: Source: US2006010601A [EN] A hospital bed obstacle **detection device** (412) and related method for detecting an obstacle between first and second components (24, 26) of a hospital bed (410).

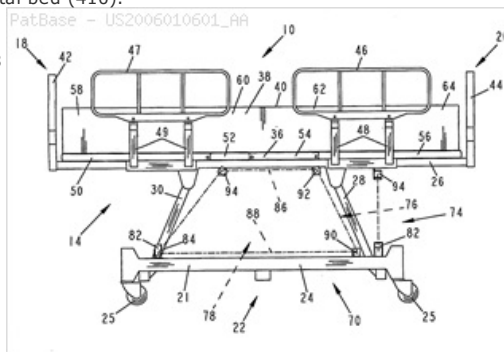
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International (IPC 8-9): A47B71/00 A47C19/04 A61G12/00 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057 A61G7/12 B60B33/02 G01N21/86 G05G5/00 H01H47/26 (Advanced/Invention)

CPC: A47C19/045 A61B5/1115 A61G7/00 A61G7/005 A61G7/008 A61G7/015 A61G7/018 A61G7/0507 A61G7/057 A61G7/05715 A61G2203/34 A61G2203/72 A61G2203/726 A61G2203/74 B60B33/0005 B60B33/0039 B60B33/0049 B60B33/0057 B60B33/0068 B60B33/0073 B60B33/021 H01H3/142 H01H3/16 A61G7/012 A61G7/05 A61G7/05769 A61G7/0513 A61G7/0527 Y10T307/773

European: A47C19/04B A61B5/11N4 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057C A61G7/057K A61G7/05S B60B33/00B2 B60B33/00E2 B60B33/00F2 B60B33/00F8 B60B33/00G4A B60B33/00G4C B60B33/02B K61G203/72 K61G203/74 K61G7/05S4A K61G7/05W1

US: 250/221 250/559.29 250/559.290S 307/117 307/117S 318/626 318/626S 340/573.1 5/600 5/600P



Family:

Publication number	Publication date	Application number	Application date
US2006010601 AA	20060119	US20050510996	20050720
US2006010601 AA	20060119	US20030510996	20030421
US2006010601 AA	20060119	US20050510996	20050720

Priority:

US20020373819P 20020419 US20020408698P 20020906 US20030510996 20030421
US20050510996 20050720 WO2003US12166 20030421

Probable Assignee: JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Assignee(s): (std): FIGEL GREG ; HUSTER KEITH A ; RILEY CARL W ; VANDERPOHL IRVIN J III

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS ; HILL ROM SERVICES INC ; HILL ROM SERVICES INC (INDIANA CORPORATION) ; HILL ROM SERVICES INC INDIANA CORP ; HILL ROM SERVICES INC INDIANA CORPORATION

Inventor(s): (std): FIGEL GREG ; HUSTER KEITH A ; RILEY CARL W ; VANDERPOHL IRVIN J III

Inventor(s): VANDERPOHL IRVIN JIII ; RILEY CARL WILLIAM ; VANDERPOHL IRVIN ; VANDERPOHL IRVIN J ; HUSTER KEITH ADAM ; RILEY CARL ; HUSTER KEITH

Agent(s): BOSE MCKINNEY AND EVANS, INTELLECTUAL PROPERTY GROUP; BOSE MCKINNEY AND EVANS INTELLECTUAL PROPERTY GROUP

Title: APPARATUSES AND METHODS FOR DETECTING LEAKS IN A NEGATIVE PRESSURE WOUND THERAPY SYSTEM

Abstract: Source: US2014309600A [EN] Leak location devices and methods of using leak location devices that can be used in conjunction with negative pressure wound therapy systems are disclosed. In some embodiments, a leak location device can include a microphone for detecting sound pressure produced by a leak. Detected sound pressure can be compared to a threshold, which can correspond to background or ambient sound pressure. Background or ambient sound pressure can correspond to sound produced by a negative pressure source. The leak **detection device** can include a display configured to visually depict the detected sound, and a light source which creates a visual depiction of the coverage angle of the microphone.

Classifications:

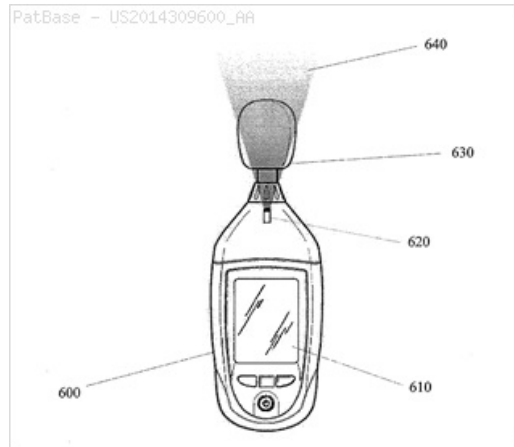
International (IPC 8-9): A61M1/00 G01M3/00

G01M3/24 (Advanced/Invention);

A61F13/02 A61M13/00 A61M27/00 (Advanced/Non-invention)

CPC: A61M1/0025 A61M2205/15 A61M2205/18 A61M1/0088 G01M3/24

US: 604/318 604/319



Family:

Publication number	Publication date	Application number	Application date
US2014309600 AA	20141016	US20120354916	20121026
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Priority:

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US20170472672 20170329 US20140354916 20140428

Probable Assignee: SMITH AND NEPHEW INC

Assignee(s): (std): SMITH AND NEPHEW INC

Inventor(s): (std): ACETO PAUL ; DEUTCH KEALOHA YOUNG ; GORDON JOSEPH ; HAGAN LUKE ; JAECKLEIN WILLIAM JOSEPH ; KANE BILL ; KASVIKIS DINO ; LIBBY COREY ; MARKS JACOB A ; SALAME MICHAEL ; SCHNEIDER JARED

Agent(s): KNOBBE MARTENS OLSON AND BEAR LLP; CHRISTENSEN MICHAEL R

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 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: DEVICE FOR AND METHOD OF DETECTING **INTERFERENCE** WAVES

Abstract: Source: US6970680B [EN] An **interference** wave **detecting device** comprises a transmitter for converting data to be transmitted from a base station into a radio signal of a predetermined transmission frequency, and for transmitting the radio signal to a mobile station by way of a transmitting antenna, a receiving unit for receiving either of a radio signal lying within a certain reception band of frequencies including a predetermined reception frequency from the mobile station and an **interference** wave signal lying within a certain transmission band of frequencies including the predetermined transmission frequency, and a controlling unit for causing the transmitting unit to stop transmitting the radio signal of the predetermined transmission frequency in order to detect the **interference** wave signal, and for enabling the receiving unit to receive the **interference** wave signal only within a period of time during which the transmitting unit stops transmitting the radio signal of the predetermined transmission frequency to the mobile station.

Classifications:

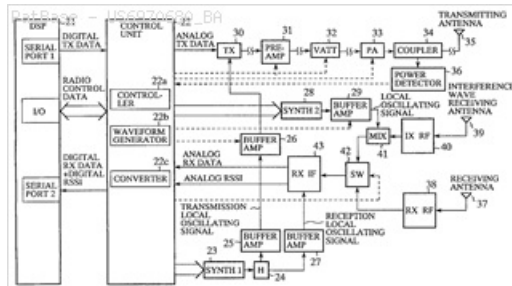
International (ipc 8-9): H04B1/00 H04B1/10 H04B17/00 H04L1/20 H04Q7/34 H04Q7/36 H04Q7/38 (Advanced/Invention); H04B1/00 H04B1/10 H04B17/00 H04L1/20 H04Q7/34 H04Q7/36 H04Q7/38 (Core/Invention)

International (ipc 1-7): H04B1/00 H04B1/10 H04B17/00 H04Q7/34 H04Q7/36 H04Q7/38

CPC: H04L1/20 H04B1/1027

European: H04B1/10E H04L1/20

US: 455/452.1 455/63.3 455/633



Family:

Publication number	Publication date	Application number	Application date
CA2258826 AA	20000131	CA19992258826	19990105
JP2000106531 A2	20000411	JP19980349132	19981208
JP3241672 B2	20011225	JP19980349132	19981208
US6970680 BA	20051129	US19990225245	19990104

Priority:

CA19992258826 19990105 JP19980218350 19980731 JP19980349132 19981208

Probable Assignee: MITSUBISHI DENKI KK

Assignee(s): (std): MITSUBISHI ELECTRIC CORP

Assignee(s): TOMOE NAOHITO ; MITSUBISHI DENKI KABUSHIKI KAISHA ; MITSUBISHI DENKI KK

Inventor(s): (std): TOMOE NAOHITO

Agent(s): KIRBY EADES GALE BAKER; ROTHWELL FIGG ERNST AND MANBECK PC

Title: SYSTEM FOR MAPPING AN INDOOR SPACE USING **WIRELESS** NETWORK AND METHOD

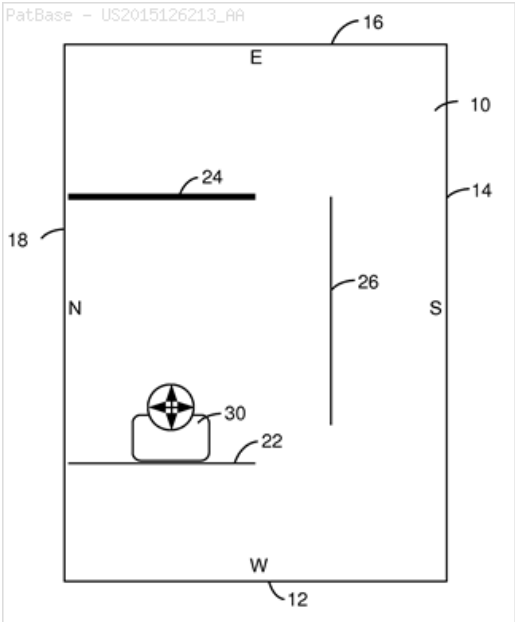
Abstract: Source: US2015126213A [EN] The present invention provides a system and method for electronic indoor/outdoor mapping and localization. The system may include a map and a mapper to detect conditions of an indoor space. The disclosed system may utilize data collected from a location **detecting device**, such as a global positioning systems (GPS) sensor and/or an accelerometer, a network **detecting device**, a compass, and/or other sources. The other sources may include **wireless** providers, user live sketches, and/or WLAN monitors to create a best effort optimized indoor/outdoor map. The system may determine a position of walls, **wireless** networking devices, and other objects within the indoor space. A method is provided for mapping an indoor space.

Classifications:

International (IPC 8-9): H04W24/00 H04W4/04 (Advanced/Invention)

CPC: H04W4/04

US: 455/456.1



Family:

Publication number	Publication date	Application number	Application date
US2015126213 AA	20150507	US20130070119	20131101
WO15066410 A1	20150507	WO2014US63318	20141031

Priority:

US20130070119 20131101

Probable Assignee: LOGICNOW LTD

Assignee(s): (std): FAYSSAL SAMER NABIH ; GFI SOFTWARE IP S A R L ; LOGICNOW IP LTD

Assignee(s): LOGICNOW LTD ; WELLS FARGO BANK NATIONAL ASSOCIATION LONDON BRANCH AGENT AS ; GFI SOFTWARE IP SARL

Inventor(s): (std): FAYSSAL SAMER NABIH

Agent(s): JOHNSON AND MARTIN PA

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

Title: SYSTEM FOR PROVIDING INFORMATION AND ASSOCIATED DEVICES

Abstract: Source: US2014155098A [EN] A system for providing locality information to a user is disclosed. The system comprises at least one magnetic field beacon. Each beacon comprises means for generating a magnetic field encoded with information associated with the beacon. A communication device is provided that comprises means for detecting the encoded magnetic field emitted by the beacon and means for extracting the information encoded in the detected magnetic field.

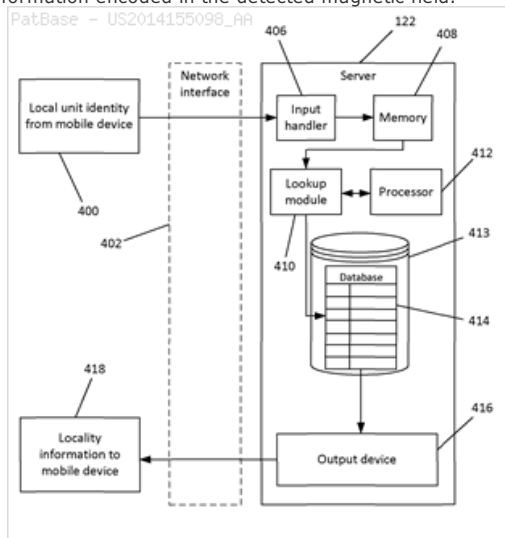
Classifications:

International (IPC 8-9): A63B29/02 H01F38/14 H04B1/00 H04B1/74 H04B13/02 H04B5/00 H04B5/02 H04L1/00 H04L1/22 H04L12/24 H04N1/27 H04N1/29 H04W24/04 H04W36/00 H04W36/14 H04W4/02 H04W64/00 H04W88/06 H04W92/18 (Advanced/Invention); H04B17/27 H04B5/00 (Advanced/Non-invention)

CPC: H04B1/74 H04B5/02 H04B5/00 H04L1/0001 H04W4/02 H04B1/0064 H04B5/0043 H04B5/0081 H04B13/02 H04B17/27 H04L1/22 H04W24/04 H04W36/00 H04W36/14 H04W88/06 H04W92/18 H04L41/0816

European: H04B1/00M4 H04B13/02 H04W36/00 T04W88/06 T04W92/18

US: 1/1 455/456.3



Family:

Publication number	Publication date	Application number	Application date
AU2012226550 AA	20120913	AU20120226550	20120307
CA2829286 AA	20130906	CA20122829286	20120307
CN103518408 A	20140115	CN201280022235	20120307
EP2684406 A1	20140115	EP20120718714	20120307
GB201103822 A0	20110420	GB20110003822	20110307
GB201204048 A0	20120418	GB20120004048	20120307
GB201204049 A0	20120418	GB20120004049	20120307
GB201204050 A0	20120418	GB20120004050	20120307
GB2488897 A1	20120912	GB20120004048	20120307
GB2488898 A1	20120912	GB20120004049	20120307
GB2488899 A1	20120912	GB20120004050	20120307
US2014155098 AA	20140605	US20120003647	20120307
US9351106 BB	20160524	US20120003647	20120307
WO12120302 A1	20120913	WO2012GB50509	20120307

Priority:

GB20110003822 20110307 WO2012GB50509 20120307

Probable Assignee: OXFORD UNIV INNOVATION LTD

Assignee(s): (std): ISIS INNOVATION ; MARKHAM ANDREW ; VAN DE VEN JEAN PAUL ; TRIGONI NIKI

Assignee(s): OXFORD UNIV INNOVATION LTD ; ISIS INNOVATION LIMITED ; ISIS INNOVATION LTD

Inventor(s): (std): MARKHAM ANDREW ; TRIGONI NIKI ; VAN DE VEN JEAN PAUL ; VEN JEAN PAUL VAN DE

Inventor(s): NIKI TRIGONI ; ANDREW MARKHAM ; JEAN PAUL VAN DE VEN

Agent(s): GRIFFITH HACK; SIM AND MCBURNEY; SMITH JEREMY; SCHWEGMAN LUNDBERG AND WOESSNER PA

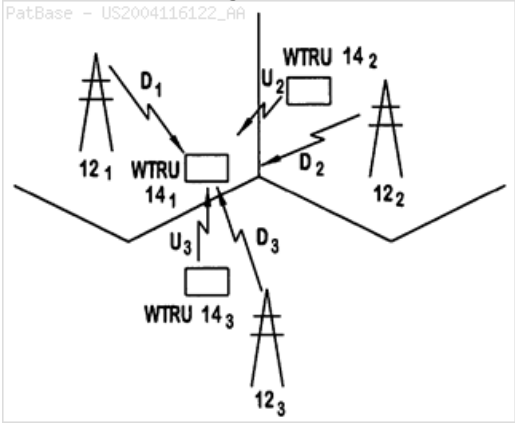
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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

Title: ENHANCING RECEPTION USING INTERCELLULAR **INTERFERENCE** CANCELLATION

Abstract: Source: US2004116122A [EN] At least one desired communication signal is received by a receiver. The at least one desired communication signal is transmitted in a **wireless** format of a cell. A plurality of communication signals are received. Communication signals are selected from the plurality. The selected communication signals include each desired communication signal and at least one communication signal originating from another cell. A channel estimate is produced for each selected communication signal. Data is jointly detected for the selected communication signals.

Classifications:

International (IPC 8-9): H04B7/02 H04B1/10 H04B1/707
H04L1/00 (Advanced/Invention)
International (IPC 1-7): H04B1/10 H04B1/38 H04B1/707 H04B7/00
H04B7/02 H04B7/12 H04Q7/20
CPC: H04B1/71075 H04B7/022 H04B2201/70701 H04B2201/70702
H04L1/0001
European: H04B1/7107B H04B7/02M H04L1/00A T04B1/707G
T04B1/707J T04B201/707G T04B201/707J
US: 455/423 455/423S 455/425 455/425S 455/445 455/445P



Family:

Publication number	Publication date	Application number	Application date
AU2003267304 AA	20040408	AU20030267304	20030919
EP1550228 A1	20050706	EP20030749778	20030919
EP1550228 A4	20051123	EP20030749778	20030919
HK1077942 A3	20060224	HK20050109706	20051101
TW200421730 A	20041016	TW20030126031	20030919
TW200507478 A	20050216	TW20030110429	20030919
TW200729747 A	20070801	TW20030133553	20030919
TWI247492 B	20060111	TW20030126031	20030919
US2004116122 AA	20040617	US20030666374	20030918
WO04028005 A1	20040401	WO2003US29597	20030919

Priority:

US20020412269P 20020920 US20030666374 20030918 WO2003US29597 20030919

Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): INTER DIGITAL TECHNOLOGY CORP ; INTERDIGITAL TECH CORP ; WITHIN A DIGITAL TECHNOLOGY CO

Assignee(s): INTERDIGITAL TECHNOLOGY CORP

Inventor(s): (std): ARIELA ZEIRA ; ELDAD ZEIRA ; ZEIRA ARIELA ; ZEIRA ELDAD

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 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 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 UZ VC VN YU ZA ZM ZW

Title: SHARED IMAGE DEVICES

Abstract: Source: US2006170956A [EN] A device comprising a first shared image device that captures at least one image representation. The first shared image device receives a request to share the at least one image representation to an at least one other shared image device. The first shared image device and the at least one other shared image device are each capable of capturing image representations. The first shared image device transmits the at least one image representation.

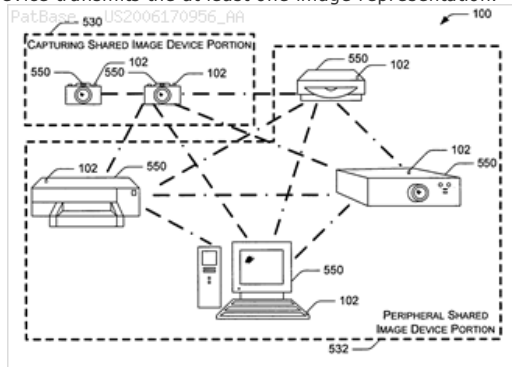
Classifications:

International (IPC 8-9): G03B17/00 G03B17/20 G06F13/00 G06F15/00 G06F15/16 G06F17/00 G06F17/21 G06F17/24 G06F17/30 G06F21/31 G06F21/35 G06F3/00 G06F3/12 G06F3/16 G06F7/00 G06F9/00 G06G7/70 G06K9/00 G06K9/32 G06K9/36 G06K9/40 G06T1/00 G06T3/40 G06T7/00 G09G5/00 G09G5/02 G10L17/00 G11B27/034 G11B27/11 G11B27/22 G11B27/30 G11B27/34 G11B7/00 G11B7/12 G11B7/125 H04H40/00 H04L29/08 H04L9/00 H04L9/32 H04N1/00 H04N1/21 H04N1/32 H04N1/40 H04N1/42 H04N21/218 H04N21/2187 H04N21/233 H04N21/258 H04N21/414 H04N21/4143 H04N21/422 H04N21/43 H04N21/431 H04N21/439 H04N21/4627 H04N21/472 H04N21/4788 H04N21/81 H04N21/845 H04N5/04 H04N5/14 H04N5/21 H04N5/222 H04N5/225 H04N5/228 H04N5/232 H04N5/235 H04N5/238 H04N5/247 H04N5/262 H04N5/44 H04N5/45 H04N5/76 H04N5/765 H04N5/77 H04N5/91 H04N7/01 H04N7/15 H04N7/16 H04N7/173 H04N7/18 H04N9/00 H04N9/09 H04N9/64 H04N9/73 (Advanced/Invention); G06F17/00 G06K9/40 G06K9/64 G11B20/00 G11B27/00 G11B27/32 H04N1/00 H04N1/32 H04N101/00 H04N21/485 H04N5/228 H04N5/262 H04N5/45 H04N5/765 H04N5/77 H04N5/781 H04N5/85 H04N5/907 H04N9/79 H04N9/804 H04N9/82 (Advanced/Non-invention); G06F15/16 G06F17/00 G06F3/00 G06F3/12 G06G7/00 G06K9/00 G06K9/36 G06K9/40 G06T1/00 G09G5/02 G10L17/00 G11B7/00 G11B7/125 H04H40/00 H04N5/04 H04N5/225 H04N5/228 H04N5/235 H04N5/262 H04N5/45 H04N5/76 H04N7/18 H04N9/00 (Core/Invention); G06F17/00 G06K9/64 (Core/Non-invention)

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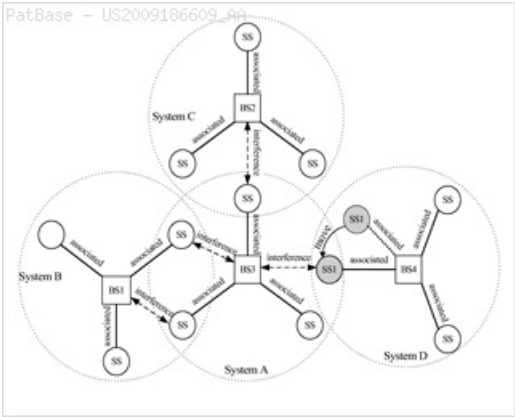
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Title: METHOD AND DEVICE FOR DETECTING NEIGHBORING BS **INTERFERENCE** AND IDENTIFYING INTERFERENTIAL NEIGHBORING BS

Abstract: Source: US2009186609A [EN] A method for detecting a neighboring BS **interference** is provided. The method includes the following steps. A base station (BS) informs a coexistence signaling interval information to a subscriber station (SS) in a **wireless** access system. The SS obtains a silent period in a coexistence signaling interval from the coexistence signaling interval information, and monitors an **interference** information from a neighboring BS during the silent period. The SS reports the monitored **interference** information to the BS. A device for detecting a neighboring BS **interference**, a method for identifying an interferential neighboring BS and a device thereof are further provided. The problem of resource conflict raised when two BSs which originally are not neighboring BSs become neighboring BSs because of changes of a SS's status, or SS's position and environmental conditions, is solved.

Classifications:

International (IPC 8-9): H04B1/707 H04B17/00 H04Q7/34
H04W16/14 H04W24/00 H04W24/10 H04W28/16
H04W36/18 (Advanced/Invention);
H04B17/00 (Advanced/Non-invention);
H04B1/707 H04B17/00 H04Q7/34 H04W24/00
H04W36/00 (Core/Invention);
H04B17/00 (Core/Non-invention)
CPC: H04B17/24 H04B17/345 H04W24/02 H04W72/082 H04W88/08
European: H04B17/00B1F H04B17/00B4 H04W24/02 T04W72/08B
T04W88/08
US: 455/423 455/424 455/424P 455/425 455/501



Family:

Publication number	Publication date	Application number	Application date
CN101174851 A	20080507	CN200610143860	20061103
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Priority:

CN200610143860 20061103 WO2007CN71010 20071102

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Assignee(s): HUAWEI TECHNOLOGIES CO ; HUAWEI TECHNOLOGIES CO LTD

Inventor(s): (std): PAN ZHONG ; WU XUYONG ; XUYONG WU ; ZHONG PAN

Agent(s): DARBY AND DARBY PC; FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; BEIJING CATALY IP ATTORNEY AT LAW

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

Title: SYSTEMS AND METHODS FOR ALTERING A STATE OF A SYSTEM USING A REMOTE DEVICE THAT PROCESSES GESTURES

Abstract: Source: US2016231817A [EN] Systems and methods systems and methods for altering a state of system using a remote device that processes gestures are described herein. The electronic device can communicate with the system in response to monitoring a user generated gesture or other interaction. For example, a user can wave the personal device or wave to the personal device, and in response thereto, the personal device can transmit an instruction to the system that causes it to change its operational state. Thus, embodiments discussed herein enable a user to perform remote gestures with a first device to affect the operation of a second device.

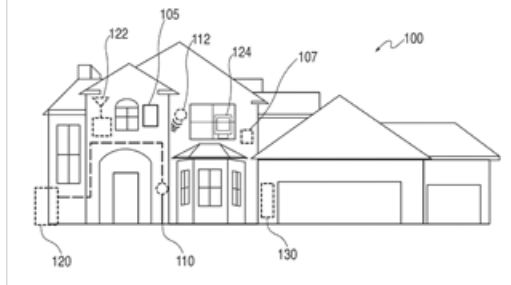
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International (IPC 8-9): G01S19/01 G06F3/01 G06F3/0488 G06Q50/26 G08B1/08 G08B13/196 G08B17/10 G08B17/113 G08B19/00 G08B21/12 G08B21/18 G08B25/00 G08B25/08 G08B25/10 G08B25/14 G08B3/10 H01Q1/22 H01Q1/24 H01Q1/52 H01Q21/06 H01Q21/28 H01Q9/04 H04B1/10 H04B1/38 H04B1/3827 H04B1/403 H04L12/28 H04L29/08 H04N5/225 H04N5/232 H04N5/33 H04N7/18 H04W12/06 H04W12/08 H04W28/04 H04W4/00 H04W48/02 H04W48/10 H04W48/16 H04W52/02 H04W72/12 H04W74/00 H04W88/06 (Advanced/Invention); H04J1/16 H04W84/12 H04W84/18 H04W88/06 (Advanced/Non-invention)

CPC: H04W12/06 H04L67/12 G06F3/017 G06F3/0488 H04N7/183 H04W48/16 H04W48/10 H04W52/0235 H04L63/0853 H04W88/06 H04N5/23206 H04W74/002 G08B13/19656 G06Q50/265 G08B13/19613 G08B13/19671 G08B13/19695 H04N7/188 H04W52/0274 H04W52/0296 G08B17/00 G08B25/007 G08B25/10 H04B1/406 G08B19/005 G08B25/001 G08B25/002 G08B25/004 G08B25/008 G08B25/009 H04W12/08 H04W84/12 H04W84/18 G08B13/196 H04L12/6418 H04B1/38 H04B1/109 H04N7/18 H04B1/3838 H04L12/2814 H04L12/2836 H04L12/2809 H04N5/2256 H04N5/33 H04L12/282 H04W48/02 H04W72/1242 H04W72/1215 H04L2012/2841 H04L2012/2849 H01Q1/44 H01Q21/30 G08B13/19619 G08B13/19636 G08B17/10 G08B17/113 H01Q1/2291 H01Q1/24 H01Q21/28 H04N5/2254 H04L12/283 Y02D70/142 Y02D70/144 Y02D70/162 Y02D70/164 Y02D70/22 Y02D70/26 H04W4/90 H04W4/70 H04W74/085 Y02D70/00 H04W4/80 H04W4/008

US: 1/1 340/501 345/156 348/143 370/254 455/553.1

PatBase - US2016231817_AA



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Publication number	Publication date	Application number	Application date
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Priority:

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US20170691663	20170830				

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Assignee(s): (std): GOOGLE INC

Assignee(s): GOOGLE LLC

Inventor(s): (std): CALIDONNA WES ; CALIDONNA WESLEY ; CALIDONNA WESLEY MICHAEL ; HONG SCOTT ; HONJO HIROFUMI ; MISHRA SHRIDHAR MUBARAQ ; RAMACHANDRAN PRASHANTH ; SANNALA MIKKO ; SANNALA MIKKO PEKKA ; SINGH NAVEEN ; SIVASITHAMBARESAN ARJUNA ; TANNENBAUM HARRY

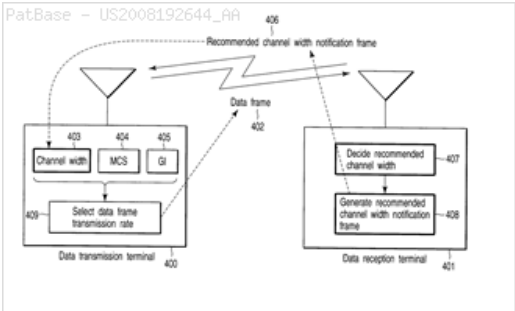
Agent(s): BOULT WADE TENNANT ; VAN COURT AND ALDRIDGE LLP; MORGAN LEWIS AND BOCKIUS LLP; VAN COURT ANDREW ET AL; CRISMAN DOUGLAS J ET AL

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: RADIO COMMUNICATION APPARATUS AND RADIO COMMUNICATION METHOD

Abstract: Source: US2008192644A [EN] A radio communication apparatus that performs first radio communication using a first channel among two first channels each having a first channel width, and second radio communication using a second channel having a second channel width that is wider than the first channel width and also having a channel width overlapping with the two first channels. The apparatus includes an **interference detection device** which detects that **interference** occurs in the first channel among the two first channels, and a frame generation unit which generates a notification frame that recommends the use of only the first channel width. An instruction unit instructs the frame generation unit to generate the notification frame when the occurrence of **interference** is detected by the **interference detection device**. A frame transmission unit transmits the notification frame generated from the frame generation unit in response to the instruction from the instruction unit.

Classifications:
International (IPC 8-9): H04J1/16 H04L12/28 H04W4/00 H04W72/04 H04W72/08 H04W84/12 (Advanced/Invention); H04W28/20 (Advanced/Non-invention); H04J1/00 H04L12/28 H04W72/00 H04W84/02 (Core/Invention); H04W28/16 (Core/Non-invention)
CPC: H04W72/082 H04B7/2656 H04W28/20
European: H04B7/26T10 H04W72/08B T04W28/20
US: 370/252 370/252P 370/329 370/443



Family:

Publication number	Publication date	Application number	Application date
JP2008199102 A2	20080828	JP20070029400	20070208
JP4413934 B2	20100210	JP20070029400	20070208
US2008192644 AA	20080814	US20080027606	20080207
US8068455 BB	20111129	US20080027606	20080207

Priority:

JP20070029400 20070208

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Inventor(s): (std): ADACHI TOMOKO ; TAKAGI MASAHIRO ; UTSUNOMIYA YORIKO

Agent(s): OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT LLP

Title: EMERGENCY SUPPLIES PRE-POSITIONING AND ACCESS CONTROL METHOD

Abstract: Source: US2007203727A [EN] One provides (101) a plurality of carriable containers having emergency supplies contained therein wherein each of these carriable containers is readily carriable by an average adult human. These carriable containers are then placed (103) within one or more corresponding controlled access containers as are provided at one or more publicly accessible locations (102). Prior to a triggering catastrophic event, one or more specific authorized beneficiaries are then preauthorized (104) to have catastrophic event-based access to one or more of these carriable containers. So configured, the authorized beneficiary(s) will in turn have access to the corresponding emergency supplies that are contained within the carriable container when a triggering catastrophic event occurs.

Classifications:

International (IPC 8-9): A01B71/06 A45F5/00 A47F1/04

A61B17/3213 A61B5/00 B01D46/00 B42D1/00 B60J1/00 B62D53/00 B62D59/04 B63B35/44 B65B3/04 B65G15/00 D02G3/00 E02D29/00 E04B1/00 E04B1/34 E04H1/00 E04H14/00 E04H9/00 F02M37/04 G01C21/20 G01T1/02 G05B19/418 G05B21/00 G05D1/02 G06F15/173 G06F17/30 G06F21/00 G06F9/44 G06F9/46 G06K7/01 G06Q10/00 G06Q30/00 G06Q30/06 G06Q40/00 G06Q50/00 G06Q50/26 G06Q90/00 G06Q99/00 G09B19/00 G21F3/00 H04H1/00 H04H20/59 H04L9/00 H04M11/04 (Advanced/Invention); G06Q90/00 (Advanced/Non-invention);

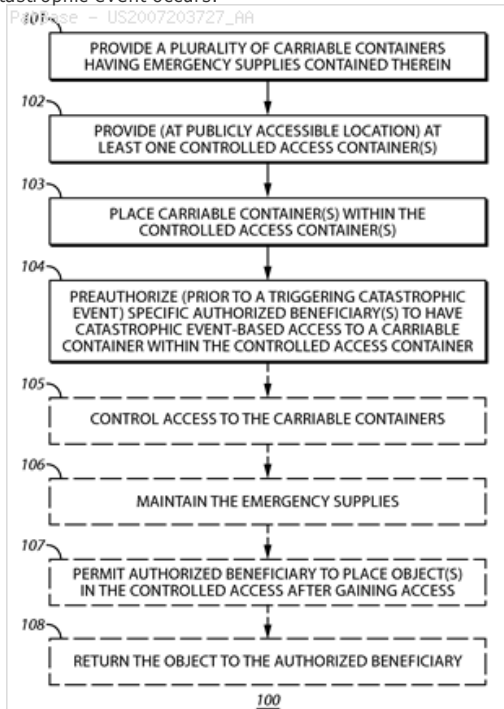
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CPC: G06Q30/0283 G08B27/008 H04H20/59 H04H60/23 G06Q30/02 G06Q90/00 G06Q50/00 G06Q30/04 G06Q10/06 G06Q50/163 G06Q50/30 G06Q30/00 G06Q30/0214 G06Q30/0217 G06Q30/0226 G06Q30/0227 G06Q30/0231 G06Q30/0233 G07F17/0042 E04H9/08 E04H9/12 F41H5/24 G06Q10/10 A62B31/00 B63C9/02 A62B99/00 A62B1/02 E04H9/06 H04L63/10 G07C9/00087 B01D46/0023 B01D46/0036 B01D2273/30 G21F3/00 G06Q30/06 G06Q30/0633 G06Q10/087 A61B50/10 A61B50/13 A61B50/312 G06Q40/08 A45C15/00 G06Q10/08 G06Q50/265 G06Q99/00 G06Q10/02 G06Q50/26 Y02A50/454 Y02A50/14 G16H40/20 G16H50/80 A47K11/026 G06Q20/401 G06Q50/22 E04H9/14 G06Q10/00 G06Q50/10

European: A45C15/00 A47K11/02C A61B19/02F A61B19/02P4D

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US: 141/10 180/14.1 180/14.100P 198/321 224/101 235/382.5 235/382.500S 250/472.1 250/519.1 345/85P 379/37 379/37P 434/236 434/236S 455/3.01 455/3.010 52/169.6 52/3 52/741.1 52/741.100S 52/745.05 52/745.050P 52/79.1 52/79.100S 600/300 600/300P 701/23 705/1 705/1.1 705/1.100P 705/14.16 705/14.160P 705/14.19 705/14.190S 705/14.27 705/14.270S 705/14.28 705/14.280S 705/14.31 705/14.310S 705/14.33 705/14.330S 705/2 705/26.8 705/2P 705/314 705/314P 705/325 705/325S 705/400 705/400P 705/5 705/500 705/500P 705/52 705/52P 705/5P 705/75 705/75S 707/802 707/802S 707/E17.005 707/E17.005S 726/2 726/2S 96/222 96/222P

**Family:**

Publication number	Publication date	Application number	Application date
US2007203727 AA	20070830	US20060456472	20060710
US2007214729 AA	20070920	US20060535282	20060926
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WO08091427 A3	20081023	WO2007US83211	20071031
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Priority:

US20060279333	20060411	US20060361247	20060224	US20060379929	20060424
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Probable Assignee: SOVEREIGN DEED LLC

Assignee(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E ; SOVEREIGN DEED LLC

Inventor(s): (std): BOTOS MATTHEW J ; MOORE BARRETT H ; SEIDEL GREGORY E

Inventor(s): MOORE BARRETT

Agent(s): FITCH EVEN TABIN AND FLANNERY; KRATZ RUDY; KRATZ RUDY I; KRUEGER JAMES P; KRATZ RUDY I ET AL; SAMPLES KENNETH H 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

Title: SYSTEM AND METHOD FOR MONITORING EYE MOVEMENT

Abstract: Source: US2001028309A [EN] Apparatus for monitoring movement of a person's eye, e.g., to monitor drowsiness. The system includes a frame that is worn on a person's head, an array of emitters on the frame for directing light towards the person's eye, and an array of sensors on the frame for detecting light from the array of emitters. The sensors detect light that is reflected off of respective portions of the eye or its eyelid, thereby producing output signals indicating when the respective portions of the eye is covered by the eyelid. The emitters project a reference frame towards the eye, and a camera on the frame monitors movement of the eye relative to the reference frame. This movement may be correlated with the signals from the array of sensors and/or with signals from other sensors on the frame to monitor the person's level of drowsiness.

Classifications:

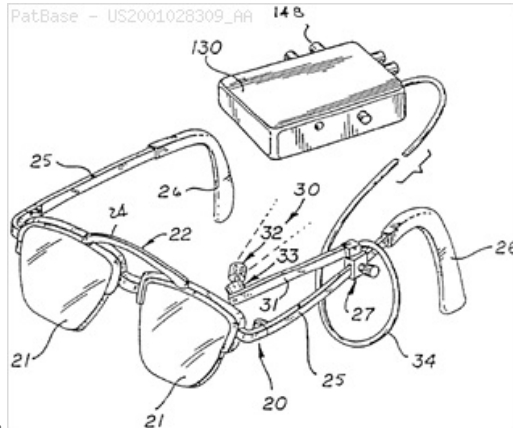
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International (IPC 1-7): A61B3/10 A61B3/14 G01J1/00 G01T1/00 G08B23/00 H01L27/148 H03K17/94 H03M11/00

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European: A61B3/00C9 A61B3/113 A61B5/11F A61B5/16 A61M21/02 G01S17/00 G01S17/88 K61B3/00B K61B3/113 K61B5/18 K61B5/48S K61M205/35R3 K61M205/35T2 K61M21/00A12 K61M21/00A6 K61M230/06 K61M230/10 K61M230/42 S01S7/481

US: 128/733 128/903 340/4.11 340/4.13 340/573.1 340/573.100S 340/573.7 340/575 340/575P 340/576 340/576S 340/825.19 341/173 341/20 341/21 382/117 600/558 607/7 702/75

**Family:**

Publication number	Publication date	Application number	Application date
AU199945833 A1	20000110	AU19990045833	19990623
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US2001028309 AA	20011011	US20000740738	20001218
US5748113 A	19980505	US19960699670	19960819
US6163281 A	20001219	US19980104258	19980624
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USRE39539 E	20070403	US20050097942	20050401
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Priority:

US19960699670 19960819 US19970978100 19971125 US19980104258 19980624
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US20050097942 20050401 WO1999US14248 19990623

Probable Assignee: EYEFLUENCE INC

Assignee(s): (std): TORCH WILLIAM C ; WILLIAM C TORCH

Assignee(s): EYE COM CORP ; EYEFLUENCE INC ; GOOGLE LLC

Inventor(s): (std): TORCH WILLIAM C ; WILLIAM C TORCH

Agent(s): VISTA IP LAW GROUP LLP; WILLIAM A

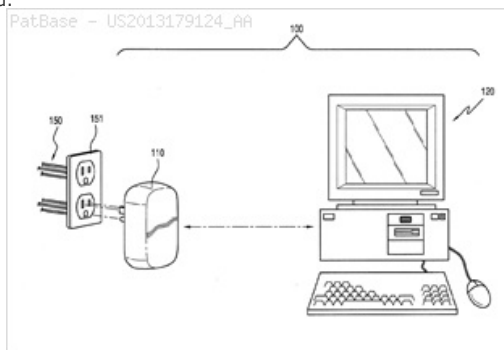
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Title: ELECTRICAL EVENT **DETECTION DEVICE** AND METHOD OF DETECTING AND CLASSIFYING ELECTRICAL POWER USAGE

Abstract: Source: US2013179124A [EN] Some embodiments can concern an apparatus configured to detect an electrical state of one or more electrical devices. The one or more electrical devices are coupled to an electrical power infrastructure and generate one or more high-frequency electrical signals on the electrical power infrastructure. The apparatus can include: (a) a processing module configured to run on a processor of a computational unit; and (b) a sensing device configured to be coupled to an electrical outlet. The sensing device can have: (a) a data acquisition receiver configured to receive the one or more high-frequency electrical signals via the electrical outlet and convert the one or more high-frequency electrical signals into one or more first data signals when the sensing device is coupled to the electrical outlet. The electrical outlet can be electrically coupled to the electrical power infrastructure. The sensing device is in communication with the computational unit. The processing module is further configured to identify the electrical state of the one or more electrical devices at least in part using the one or more first data signals. The high-frequency electrical signals comprise electrical signals in the ten kilohertz to three megahertz range. Other embodiments are disclosed.

Classifications:

International (IPC 8-9): G01D4/00 G01R19/00 G01R19/25
G01R21/133 G01R22/10 G01R31/00 G01R31/02 G01R31/12
G01R31/28 H02J13/00 (Advanced/Invention);
G01D G01R (Subclass/Invention)
CPC: G01R19/0007 G01R31/2825 G01R19/2513 G01R21/133
G01R22/10 Y04S20/38
European: G01R31/28E6
US: 340/657 702/190 702/58



Family:

Publication number	Publication date	Application number	Application date
AU2011248626 AA	20111110	AU20110248626	20110426
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CA2797704 AA	20111110	CA20112797704	20110426
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CN102947716 B	20150506	CN201180031654	20110426
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EA201270768 A1	20131129	EA20120070768	20110426
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Priority:

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US20100328122P 20100426 US20110392313 20110426 US20080283869 20080916
WO2011US33992 20110426

Probable Assignee: BELKIN INT INC

Assignee(s): (std): GUPTA SIDHANT ; REYNOLDS MATTHEW S ; YOGESWARAN KARTHIK ; PATEL SHWETAK N ; BELKIN INT INC ; BELKIN INTERNATIONAL INC

Assignee(s): WELLS FARGO CAPITAL FINANCE LLC A DELAWARE LIABILITY CO AGENT AS LTD

Inventor(s): (std): KARTHIK YOGESWARAN ; SIDHANT GUPTA ; YOGESWARAN KARTHIK ; REYNOLDS MATTHEW S ; PATEL SHWETAK N ; GUPTA SIDHANT

Agent(s): SPRUSON AND FERGUSON; GOWLING LAFLEUR HENDERSON LLP; LAWRENCE JOHN; BRYAN CAVE LLP; OPASKA WALTER P

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

Title: AUTOMATIC ULTRASONIC AND COMPUTER-VISION NAVIGATION DEVICE AND METHOD USING THE SAME

Abstract: Source: US2010042319A [EN] The present invention discloses an automatic ultrasonic and computer-vision navigation device and a method using the same. In the method of the present invention, the user guides an automatic navigation device to learn and plan a navigation path; next, the automatic navigation device navigates independently and uses ultrasonic signals and computer vision to detect the environment; then, the automatic navigation device compares the detected environment data with the navigation path to amend the physical movement track. The present invention enables ordinary persons to interact with the automatic navigation device without operating the computer. As the present invention adopts computer vision and ultrasonic signals to realize the functions thereof, the manufacturers can save the hardware cost.

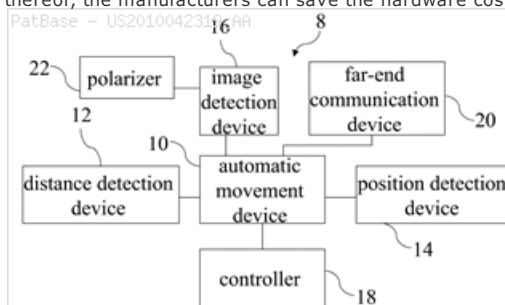
Classifications:

International (IPC 8-9): G01C21/00 G01C22/00 G01M17/00
G01S3/80 G05B19/18 G06F19/00 G06G7/70 (Advanced/Invention);
G01C21/00 (Core/Invention)

CPC: G05D1/0246 G05D1/0255 G05D1/0272 G05D2201/0207

European: G05D1/02E14D G05D1/02E6V G05D1/02E8
S05D201/0207

US: 700/253 701/110 701/200 701/200S 701/207 701/207P 701/23
701/28 701/35 701/408 701/408P 701/411



Family:

Publication number	Publication date	Application number	Application date
TW201007200 A	20100216	TW20080131096	20080815
TWI408397 B	20130911	TW20080131096	20080815
US2010042319 AA	20100218	US20090365190	20090204
US8116928 BB	20120214	US20090365190	20090204

Priority:

TW20080131096 20080815

Probable Assignee: NATIONAL CHIAO TUNG UNIV

Assignee(s): (std): TSAI SHUNG YUNG ; TSAI WEN HSIANG ; UNIV NAT CHIAO TUNG ; WU CHIH JEN

Assignee(s): NATIONAL CHIAO TUNG UNIV ; NATIONAL CHIAO TUNG UNIVERSITY

Inventor(s): (std): CAI SHUANG YUAN ; CAI WEN XIANG ; TSAI SHUNG YUNG ; TSAI WEN HSIANG ; WU CHIH JEN ; WU ZHI REN

Agent(s): ROSENBERG KLEIN AND LEE

Title: **WIRELESS** LAN SYSTEM, ACCESS POINT, AND METHOD FOR PREVENTING CONNECTION TO A ROGUE ACCESS POINT

Abstract: Source: US2008002651A [EN] A **wireless** local area network system includes one or more access points connected to a wired network which is part of the system. To prevent **wireless** terminals from communicating with a rogue access point that is not connected to the wired network, a legitimate access point detects the rogue access point, determines its beacon signal period, and sets a timer to generate timings at which the rogue access point is expected to transmit the beacon signals. At each of these timings, the legitimate access point creates and transmits interfering data that interfere with the rogue access point's beacon signals.

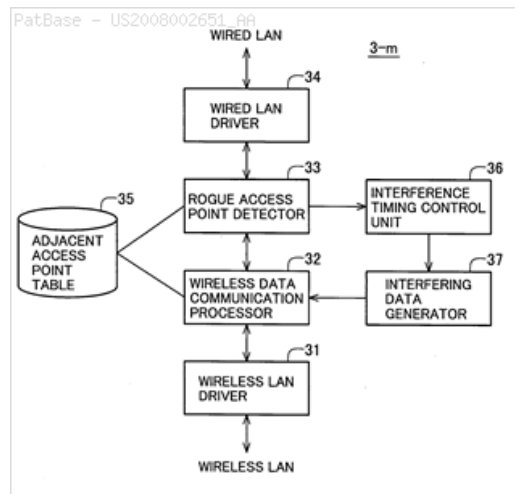
Classifications:

International (IPC 8-9): H04L12/28 H04L12/46 H04Q7/24 H04Q7/38 H04W12/12 H04W4/00 H04W84/12 H04W88/08 (Advanced/Invention); H04W84/12 H04W88/08 H04W92/02 (Advanced/Non-invention); H04L12/28 H04Q7/38 H04W12/00 H04W84/02 H04W88/00 (Core/Invention); H04W84/02 H04W88/00 H04W92/00 (Core/Non-invention)

CPC: H04W12/12 H04K3/22 H04K3/28 H04K3/41 H04K3/45 H04K3/65 H04K3/86 H04K2203/18 H04W84/12 H04W88/08 H04W92/02

European: H04K3/22 H04K3/28 H04K3/41 H04K3/45 H04K3/65 H04K3/86 H04W12/12 T04K203/18 T04W84/12 T04W88/08 T04W92/02

US: 370/328 370/338 370/338P 370/401 455/410 455/411 726/2 726/22 726/23



Family:

Publication number	Publication date	Application number	Application date
■ CN101102246 A	20080109	CN200710127514	20070628
■ CN101102246 B	20111109	CN200710127514	20070628
■ JP2008016942 A2	20080124	JP20060183450	20060703
■ JP2009022027 A2	20090129	JP20080216711	20080826
■ JP2009022028 A2	20090129	JP20080216712	20080826
■ JP4229148 B2	20090225	JP20060183450	20060703
■ JP4697278 B2	20110608	JP20080216712	20080826
■ JP4862868 B2	20120125	JP20080216711	20080826
■ US2008002651 AA	20080103	US20070798855	20070517
■ US8295255 BB	20121023	US20070798855	20070517

Priority:

JP20060183450 20060703 JP20080216711 20080826 JP20080216712 20080826

Probable Assignee: OKI ELECTRIC IND CO LTD

Assignee(s): (std): NAKANO YOSHIHISA ; OKI ELECTRIC IND CO LTD

Assignee(s): OKI ELECTRIC INDUSTRY CO ; OKI ELECTRIC INDUSTRY CO LTD ; OKI ELECTRIC IND ; OKI ELECTRIC IND CO

Inventor(s): (std): YOSHIHISA NAKANO ; NAKANO YOSHIHISA

Agent(s): VENABLE LLP; RABIN AND BERDO PC

Title: METHOD FOR DETECTION OF SYMBOLS IN COMMUNICATION SIGNALS

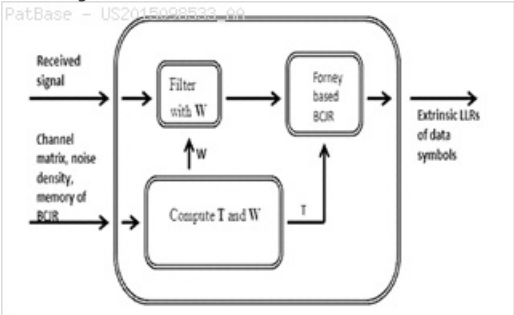
Abstract: Source: US2015098533A [EN] The present invention relates to method for detection of symbols, comprising: receiving at least one communication signal y transmitted over a radio channel H, and receiving a priori LLRs of said channel inputs x; computing soft symbol estimates micro and variance D of said channel inputs x based on LLRs of said channel inputs x; filtering and **interference** cancelling said received signal y by using a first filter and filtered soft symbol estimates micro so as to obtain a filtered and **interference** cancelled received signal; estimating MSE matrix B of said filtered and **interference** cancelled received signal; computing an optimal matrix Gopt for a BCJR algorithm based on said MSE estimate B; further filtering said filtered and **interference** cancelled received signal by using a second filter so as to obtain an input signal r to the BCJR algorithm; and feeding said input signal r into the BCJR algorithm.

Classifications:

International (IPC 8-9): H04B1/10 H04L25/03 (Advanced/Invention)

CPC: H04B1/1027 H04L25/03171 H04L25/067

US: 1/1 375/350



Family:

Publication number	Publication date	Application number	Application date
US2015098533 AA	20150409	US20130045832	20131004
US9071316 BB	20150630	US20130045832	20131004

Priority:

US20130045832 20131004

Probable Assignee: HUAWEI TECHNOLOGIES CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD

Assignee(s): HUAWEI TECHNOLOGIES CO ; HUAWEI TECHNOLOGIES CO LTD

Inventor(s): (std): RUSEK FREDRIK

Agent(s): GRANT; NICHOLAS K; CONLEY ROSE PC

Title: RECEIVER AND METHOD FOR DETECTING SYNCHRONIZATION IN **WIRELESS** COMMUNICATION SYSTEM

Abstract: Source: US2016198425A [EN] The present disclosure provides a method and a receiver for detecting synchronization in a Time Division-Synchronous Code Division Multiple Access (TD-SCDMA) system. The receiver includes a reception unit that receives a synchronization signal including an **interference** signal from at least one adjacent cell; and a synchronization detector that cancels the **interference** signal included in the synchronization signal based on a serial **interference** cancellation, and detects the synchronization based on the synchronization signal, from which the **interference** signal is canceled.

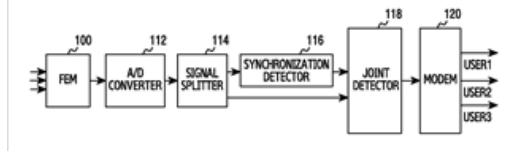
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H04J3/06 H04L12/28 H04L25/02 H04L25/03 H04L7/00
H04W56/00 (Advanced/Invention)

CPC: H04W56/003 H04B1/7087 H04B1/692 H04B1/7097
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H04L25/0202 H04L25/03006 H04B1/7073 H04B1/71072

US: 370/335

PatBase - US2016198425_AA



Family:

Publication number	Publication date	Application number	Application date
■ CN105763223 A	20160713	CN201511016585	20151229
■ KR20160083982 A	20160713	KR20150000131	20150102
■ TW201639325 A	20161101	TW20150125602	20150806
■ US2016198425 AA	20160707	US20150811500	20150728
■ US9907041 BB	20180227	US20150811500	20150728

Priority:

KR20150000131 20150102

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): HONG SUK BUM ; HWANG JONG YOON ; PARK JEONG SOON ; PARK HWAN MIN ; KIM SANG WOO ; SHIM MYUNG JOON ; SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): HONG SUK BUM ; HWANG JONG YOON ; KIM SANG WOO ; PARK HWAN MIN ; PARK JEONG SOON ; SHIM MYUNG JOON

Agent(s): FARRELL LAW FIRM PC

Title: ADAPTIVE ALGORITHM FOR A CHOLESKY APPROXIMATION

Abstract: Source: US2003218998A [EN] Data is to be detected in a **wireless** communication system. A plurality of communication signals are received. A solution for estimating data of the received communication signals is modeled using a linear system requiring a matrix inversion. Columns or rows of an approximate Cholesky factor are determined. A difference between the determined columns or rows is determined. If the determined difference is less than a threshold, subsequent columns or rows are determined by previously determined columns or rows. The data of the received communication signals is estimated using the approximate Cholesky factor.

Classifications:**International (IPC 8-9):** G06F17/16 H04B1/69 H04B1/707

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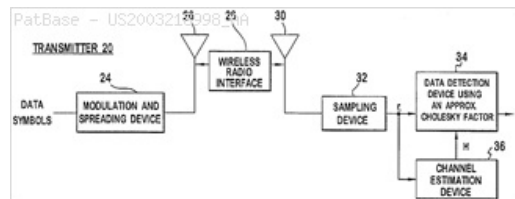
H04B1/69 H04W84/02 (Advanced/Non-invention);

G06F17/16 H04B1/69 H04B1/707 H04B7/204 (Core/Invention);

H04B1/69 (Core/Non-invention)

International (IPC 1-7): H04B1/69 H04B1/707 H04B7/216 H04L1/00

H04Q7/00 H04Q7/28

CPC: G06F17/16 H04B1/7105**European:** G06F17/16 H04B1/7105**US:** 370/329 370/329P 370/335 370/335P 370/341 370/341S 370/342 370/342S 375/149 375/149S 375/348 375/348S 375/E01.025 375/E1.025 375/E10.255**Family:**

Publication number	Publication date	Application number	Application date
AU2003243280 AA	20031212	AU20030243280	20030519
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MXPA04011603 A1	20050307	MX2004PA11603	20030519
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TW200501642 A	20050101	TW20040104162	20040219
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WO03101012 A1	20031204	WO2003US15942	20030519

Priority:US20020153477 20020522 US20040772790 20040205 WO2003US15942 20030519
WO2003US15942 20041122**Probable Assignee:** INTERDIGITAL TECHNOLOGY CORP**Assignee(s):** (std): INTERDIGITAL TECH CORP ; WITHIN A DIGITAL TECHNOLOGY CO**Assignee(s):** ZEIRA ARIELA ; INTERDIGITAL TECHNOLOGY CORP ; KIM YOUNGLOK**Inventor(s):** (std): ARIELA ZEIRA ; YOUNGLOK KIM ; ZEIRA ARIELA ; KIM YOUNGLOK ; KIM YOUNG LOK**Agent(s):** RIDOUT AND MAYBEE 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 NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

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Priority:

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US20080057270	20080327	US20120460694	20120430		

Probable Assignee: ROUND ROCK RESEARCH LLC

Assignee(s): (std): COOPER IND INC ; KEYSTONE TECHNOLOGY SOLUTIONS ; MICRON SEMICONDUCTOR INC ; MICRON TECHNOLOGY INC ; MICRON COMMUNICATIONS INC ; ROUND ROCK RES LLC ; TUTTLE JOHN R

Assignee(s): ROUND ROCK RESEARCH LLC ; COOPER IND ; MICRON TECHNOLOGY INC BOISE ID US ; MICRON SEMICONDUCTOR INC BOISE ID US ; NAVY SECRETARY OF UNITED STATES OFFICE OF NAVAL RESEARCH ; TUTTLE MARK E ; MICRON TECHNOLOGY INC A DE CORP ; NAVY SECRETARY OF UNITED STATES OFFICE OF NAVAL RE ; MICRON TECHNOL INC ; COOPER INDUSTRIES INC ; COOPER TECHNOLOGIES CO ; MAIKURON KOMYUNIKEISHONZU INC ; LAKE RICKIE C ; KEYSTONE TECHNOLOGY SOLUTIONS LLC

Inventor(s): (std): LAKE RICKIE C ; MAAKU II TATORU ; PAX GEORGE E ; RITSUKII SHII REIKU ; ROTZOLL ROBERT R ; SNODGRASS CHARLES K ; TUTTLE JOHN R ; TUTTLE MARK E ; WOOD CLIFTON W JR ; WOOD JR CLIFTON W ; ALLEN DAVID H ; JIYON AARU TATORU ; EVANS TERENCE JOHN ; EVANS TERENCE J

Inventor(s): TERENCE JOHN EVANS ; JOHN R TUTTLE ; JON AARU TATORU ; CLIFTON W WOOD JR ; WOOD CLIFTON W ; TUTTLE JOHN

Agent(s): WELLS ST JOHN PS; ROBERT J STERNS; ROBERT J STERN; WILLIAM J BETHURUM ESQUIRE; ROBERT J; GREENBERG TRAUIG LLP; LERNER DAVID LITTENBERG KRUMHOLZ AND MENTLIK LLP

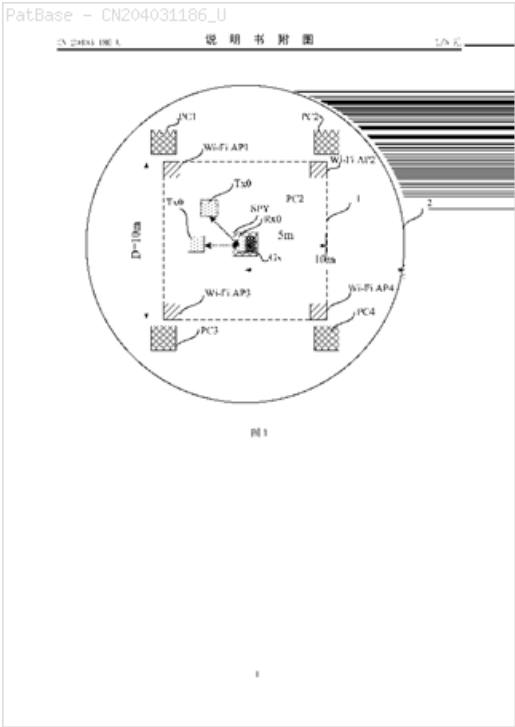
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Title: COMMUNICATION **INTERFERENCE** DETECTION SYSTEM FOR **WIRELESS** PRODUCT

Abstract: Source: CN204031186U [EN] The utility model provides a communication **interference** detection system for a **wireless** product. The **wireless** product is a 2.4G **wireless** product which comprises a **wireless** receiving device and a **wireless** transmitting device, wherein the **wireless** receiving device and the **wireless** transmitting device are **wirelessly** connected. The communication **interference** detection system is characterized by comprising a plurality of Wi-Fi AP devices, a monitoring device and a **detection device**, wherein the plurality of Wi-Fi AP devices are uniformly distributed and surround the **wireless** receiving device at the center, the sum of bandwidths of the plurality of Wi-Fi AP devices is greater than or equal to the bandwidth of the 2.4G **wireless** product, and the **wireless** receiving device is arranged at the center surrounded by the plurality of Wi-Fi AP devices; the monitoring device is arranged at the center surrounded by the plurality of Wi-Fi AP devices and monitors whether the plurality of Wi-Fi AP devices download data or not; and the **detection device** is arranged at the center surrounded by the plurality of Wi-Fi AP devices, the **wireless** transmitting device moves within a signal reception range of the **wireless** receiving device, and the **detection device** detects the communication **interference** degree of the **wireless** receiving device when the **wireless** receiving device receives signals transmitted by the **wireless** transmitting device.

Classifications:

International (IPC 8-9): H04B17/00 H04B17/345 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN104135328 A	20141105	CN201410341719	20140717
CN104135328 B	20160420	CN201410341719	20140717
CN204031186 U	20141217	CN201420396608U	20140717

Priority:

CN201410341719 20140717 CN201420396608U 20140717

Probable Assignee: QINGDAO GOERTEK CO LTD

Assignee(s): (std): QINGDAO GOERTEK CO LTD

Assignee(s): QINGDAO GOERTEK LTD ; QINGDAO GOERTEK CO

Inventor(s): (std): LIN ZHENCUI

Title: SIGNAL **DETECTION DEVICE**, **WIRELESS** COMMUNICATION DEVICE, AND **WIRELESS** COMMUNICATION TERMINAL

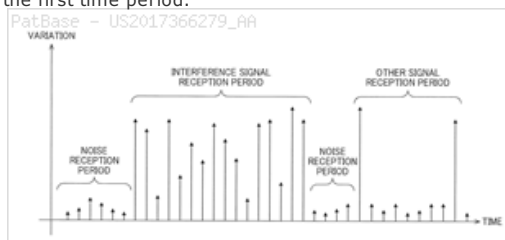
Abstract: Source: US2017366279A [EN] A signal **detection device** according to the embodiment of the present invention includes a memory and processing circuitry. The memory is configured to store a program. The processing circuitry is for executing the program and is configured to calculate a first signal level indicative of a signal level of a digital complex signal; calculate a first variation indicative of a temporal variation of the first signal level; calculate a statistic in a predetermined first time period on the basis of the first variation within the first time period; and determine, on the basis of the statistic in the first time period, whether or not an **interference** source signal indicative of a signal of a radio wave coming from an **interference** source is included in the digital complex signals within the first time period.

Classifications:

International (IPC 8-9): H04B1/04 H04B1/16 H04B15/04

H04B17/345 H04W16/14 (Advanced/Invention)

CPC: H04B15/04 H04W16/14 H04B17/345 H04B1/04 H04B1/16



Family:

Publication number	Publication date	Application number	Application date
JP2017225026 A2	20171221	JP20160119916	20160616
US2017366279 AA	20171221	US20170444774	20170228

Priority:

JP20160119916 20160616

Probable Assignee: TOSHIBA KK

Assignee(s): (std): TOSHIBA CORP ; TOSHIBA KK

Inventor(s): (std): KAIHOTSU TAKAHISA ; KUMAGAYA TAKESHI ; MORI HIROKI ; NAKANISHI KENSUKE ; YASHIMA DAISUKE

Agent(s): NAGAI HIROSHI

Title: A REFLECTION-TYPE PULSE **DETECTION DEVICE** AGAINST MOTION **INTERFERENCE**

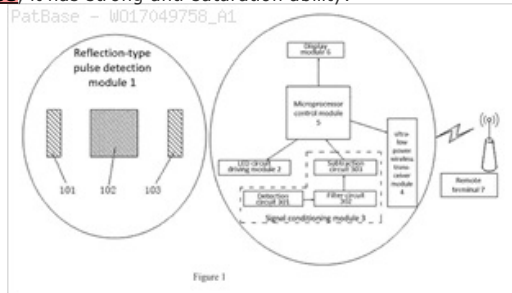
Abstract: Disclosed is a reflection-type pulse rate **detection device** against motion **interference**, which relates to the technical field of the pulse rate **detection device**. The device includes a reflection type pulse rate detection module (1), a circuit driving module (2), a signal conditioning module (3), an ultra-low power **wireless** transceiver module (4), a microprocessor control module (5), a display module (6) and a remote terminal (7). The reflection-type pulse rate detection module (1), which is connected with the circuit driving module (2), consists of a first LED light tube (101), a second LED light tube (103) and a photoelectric receiving tube (102). The signal conditioning module (3) consists of a detection circuit (301), a filter circuit (302) and a subtraction circuit (303). The detection circuit (301), the filter circuit (302) and the subtraction circuit (303) are connected to the microprocessor control module (5) in turn, which is respectively connected with the LED circuit driving module (2), the ultra-low power **wireless** transceiver module (4) and the display module (6). The ultra-low power **wireless** transceiver module (4) is connected with the remote **wireless** terminal (7). The present invention with the ability of motion **interference** reduction is low consumption and can interact with the remote terminal. Extracting the pulse rate signal with higher SNR and suppressing common motion **interference**, it has strong anti-saturation ability.

Classifications:

International (IPC 8-9): A61B5/024 G01S7/48 (Advanced/Invention)

CPC: A61B5/02427 A61B5/0002 A61B5/7207

PatBase - WO17049758_A1



Family:

Publication number	Publication date	Application number	Application date
■ CN105266786 A	20160127	CN201510605384	20150922
■ WO17049758 A1	20170330	WO2015C/N095650	20151126

Priority:

CN201510298332 20150603 CN201510605384 20150922

Probable Assignee: SHANGHAI ZHAOGUAN INFORMATION TECHNOLOGY CO LTD

Assignee(s): (std): SHANGHAI MEGA HEALTH INFOTECH CO LTD ; SHANGHAI MEGAHEALTH TECH CO LTD ; SHANGHAI ZHAOGUAN INFORMATION TECHNOLOGY CO LTD

Assignee(s): SHANGHAI ZHAOGUAN INFORMATION TECHNOLOGY CO ; SHANGHAI MEGAHEALTH TECHNOLOGIES CO ; SHANGHAI MEGAHEALTH TECHNOLOGIES CO LTD

Inventor(s): (std): LIN WEI

Agent(s): WATSON AND BAND LAW OFFICES

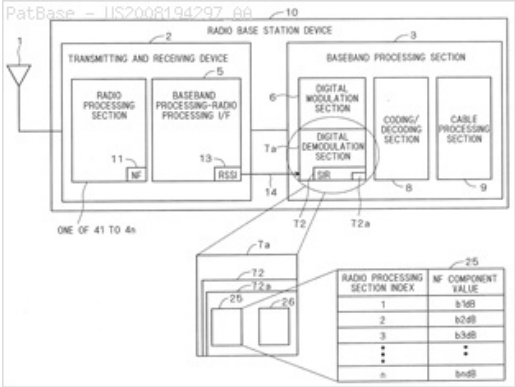
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Title: SIR DETERMINING APPARATUS AND **WIRELESS** COMMUNICATION APPARATUS

Abstract: Source: US2008194297A [EN] It is an object of the present invention to realize a SIR **detection device** and a radio communication device capable of detecting the value of a ratio of a signal component to an **interference** component (SIR: Signal to **Interference** Ratio) indicating the power ratio of a signal component to an **interference** component of a radio signal with precision. To attain this object, the SIR is detected, a value of power N added to the radio signal by internal noise of a radio processing section (4) is determined based on a NF (Noise Figure) of the radio processing section that performs analog signal processing in a RF (Radio Frequency) area of the radio signal, a value of power I of an **interference** component included in the radio signal is determined based on a RSSI (Received Signal Strength Indicator) indicating reception strength of the radio signal, and calculation is performed on the detected SIR value with the amount of correction based on the power N of the internal noise and the power I of the **interference** component, thereby making a correction of removing the power N of the internal noise included in the SIR.

Classifications:

International (IPC 8-9): G01R29/26 H04B1/16 H04B1/38 H04B1/707 H04B1/7097 H04B17/00 (Advanced/Invention); H04B1/38 H04B17/00 (Core/Invention)
CPC: H04B17/336
European: H04B17/00B1S
US: 455/561



Family:

Publication number	Publication date	Application number	Application date
JP2007013149 A1	20090205	JP20070526774T	20050727
JP4226641 B1	20090218	JP20070526774T	20050727
JP4226641 B2	20090218	JP20070526774T	20050727
US2008194297 AA	20080814	US20050915025	20050727
WO07013149 A1	20070201	WO2005JP13721	20050727

Priority:

WO2005JP13721 20050727

Probable Assignee: MITSUBISHI ELECTRIC CORP

Assignee(s): (std): MITSUBISHI ELECTRIC CORP ; NOSE YASUYUKI

Assignee(s): MITSUBISHI DENKI KK

Inventor(s): (std): NOSE YASUYUKI

Agent(s): YOSHITAKE HIDETOSHI; ARITA TAKAHIRO; OBLON SPIVAK MCCLELLAND MAIER AND NEUSTADT PC

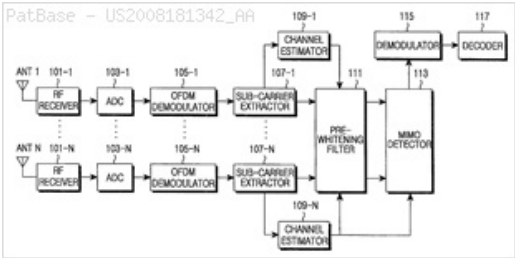
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Title: APPARATUS AND METHOD FOR SIGNAL DETECTION IN MULTIPLE INPUT MULTIPLE OUTPUT **WIRELESS** COMMUNICATION SYSTEM

Abstract: Source: US2008181342A [EN] A Multiple Input Multiple Output (MIMO) **wireless** communication system is provided. A receiving end apparatus includes an estimator for estimating a channel between a plurality of Transmit (Tx) antennas of a transmitting end and a plurality of Receive (Rx) antennas of a receiving end; a filter for extracting a sum between **interference** and noise included in an Rx signal by using the estimated channel value and for computing a covariance matrix for the sum between the **interference** and the noise; and a detector for detecting a Tx signal by using a signal processing matrix generated from the covariance matrix.

Classifications:

International (IPC 8-9): H04B1/10 H04B7/02 H04B7/04 H04B7/08 H04L1/02 H04L27/26 (Advanced/Invention); H04B7/04 H04B7/08 H04L27/26 (Advanced/Non-invention); H04B1/10 H04B7/04 H04B7/08 H04L27/26 (Core/Invention)
CPC: H04B7/0413 H04B7/0854 H04L1/0048 H04L1/0054
European: H04B7/04M H04B7/08C 4J2
US: 375/267 375/347 375/347P



Family:

Publication number	Publication date	Application number	Application date
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US8121210 BB	20120221	US20080021794	20080129

Priority:

KR20070009029 20070129

Probable Assignee: SAMSUNG ELECTRONICS CO LTD

Assignee(s): (std): CHO JI HOON ; JO SUNG KWON ; KO KYUN BYOUNG ; LEE JAE HYOK ; SAMSUNG ELECTRONICS CO LTD

Assignee(s): SAMSUNG ELECTRONICS CO

Inventor(s): (std): CHO JI HOON ; JO SUNG KWON ; KO KYUN BYOUNG ; LEE JAE HYOK

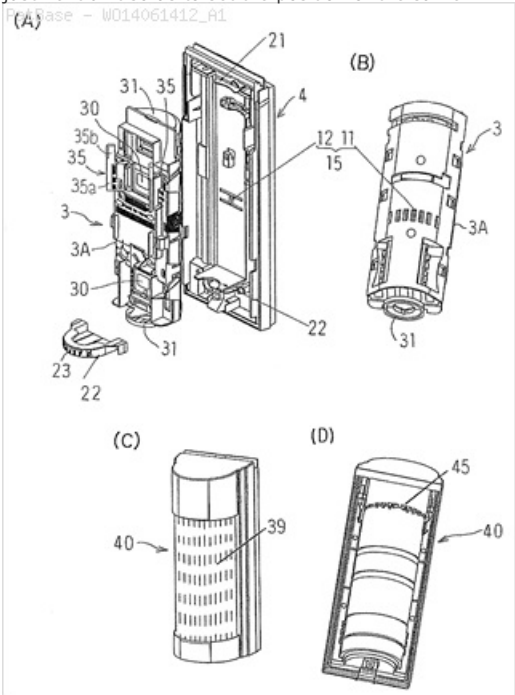
Agent(s): LEE JEONG SOON; KWON HYUK ROK; FARRELL LAW FIRM PC

Title: INTRUSION **DETECTION DEVICE**

Abstract: Source: ZA201407523A [EN] A warning area (W) which has a plurality of narrow areas is formed by an optical section (3) including a detection element (30), and a light collection section (39), and the direction of the warning area is varied so as to detect intrusion of an object within the warning area. This intrusion detection sensor (1) is provided with: an area adjustment unit (35) which is provided in either the optical section or the light collection section, and which optically adjusts optical paths between both sections forming the narrow areas of the warning area; and a position setting unit (45) which is provided in the other section, and which engages the area adjustment unit so as to set the position of the same.

Classifications:

International (IPC 8-9): G01J G01J1/42 G08B G08B13/18 G08B13/181 G08B13/19 G08B15/00 (Advanced/Invention); G08B (Subclass/Invention)
CPC: G08B13/181 G08B13/193 G01J5/0025 G01J5/0815 G01J5/089 G08B13/19



Family:

Publication number	Publication date	Application number	Application date
CN104335259 A	20150204	CN201380026208	20130926
CN104335259 B	20161102	CN201380026208	20130926
EP2722830 A2	20140423	EP20130188864	20131016
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EP2911127 A4	20160810	EP20130847296	20130926
JP2014061412 A1	20160905	JP20140542010T	20130926
JP2014099157 A2	20140529	JP20130176322	20130828
JP6266526 B1	20180124	JP20140542010T	20130926
WO14061412 A1	20140424	WO2013JP75971	20130926
ZA201307618 A	20140730	ZA20130007618	20131014
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Priority:

JP20120232272 20121019 JP20130176322 20130828 WO2013JP75971 20130926

Probable Assignee: OPTEX CO LTD

Assignee(s): (std): OPTEX CO LTD

Assignee(s): OPTEX CO

Inventor(s): (std): KONDO TAKASHI ; NOGUCHI MICHINORI ; TOMOOKA HIROYUKI ; NOGUCHI MICHITOKU

Agent(s): VOSSIUS AND PARTNER; CALDERBANK THOMAS ROGER; NODA MASASHI; SUGIMOTO SHUJI; TSUTSUMI TAKEO; SUGIMOTO SHUJI 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 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: COMMUNICATION SYSTEM

Abstract: Source: US2008009243A [EN] The present application relates to a **wireless** communication system and related methods and apparatuses for transmitting a signal from a source apparatus to a destination apparatus, via at least one intermediate apparatus. In particular, the present invention relates to techniques which seek to improve the throughput of data in multi-hop communication systems.

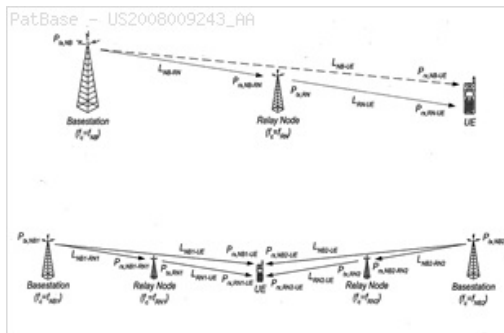
Classifications:

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CPC: H04B7/2606 H04W28/08 H04B17/318 H04B17/336 H04B17/382 H04W52/46 H04W88/04 H04W72/08 H04W24/10 H04W28/18 H04W84/18 H04W28/20 H04W52/265 Y02D70/00

European: H04B17/00B8 H04W272/08 H04W36/047 H04W52/46 H04W72/08 T04B17/00B1R T04B17/00B1S T04B7/26B2 T04W12/10 T04W228/18 T04W24/10 T04W252/04 T04W26/04 T04W28/08 T04W28/18 T04W288/04 T04W52/00 T04W52/023 T04W88/04

US: 370/315 370/315P 370/329 370/329P 370/329S 375/224 375/224S 455/16 455/500 455/500S 455/67.13 455/67.130P 455/7



Family:

Publication number	Publication date	Application number	Application date
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CN1881825 A	20061220	CN200610095608	20060619
CN1881825 B	20120613	CN200610095608	20060619
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TWI339514 B	20110321	TW20060121656	20060616
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TWI366357 B	20120611	TW20090127583	20060616
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US2010110973 AA	20100506	US20090613342	20091105
US2010111027 AA	20100506	US20090613367	20091105
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US8611814 BB	20131217	US20090613367	20091105

Priority:

EP20050253783	20050617	EP20060252979	20060609	EP20090173073	20060609
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JP20090091471	20060616				

Probable Assignee: FUJITSU LTD

Assignee(s): (std): FUJITSU CO LTD ; FUJITSU LTD ; HART MICHAEL J ; HART MICHAEL JOHN

Assignee(s): FUJITSU LTD KAWASAKI SHI ; FUJITSU LIMITED
Inventor(s): (std): HART MICHAEL J ; HART MICHAEL JOHN ; JOHN HART MICHAEL
Inventor(s): HART MICHAEL ; HART MICHAEL JOHN LONDON
Agent(s): HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; COOPER ROLFE ELIZABETH LOUISE; FENLON
CHRISTINE LESLEY; WILDING FRANCES WARD; ITOH TADAHIKO; BINGHAM MCCUTCHEN LLP; HANIFY
AND KING PROFESSIONAL CORP; SMITH GAMBRELL AND RUSSELL LLP
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 MK NL PL PT RO
RS SE SI SK TR YU

Title: PRESSING DEVICE HAVING A CONTROL DEVICE ADAPTED TO CONTROL THE PRESSING DEVICE IN ACCORDANCE WITH A SERVOCONTROL SYSTEM OF THE CONTROL DEVICE

Abstract: Source: US6035775A [EN] A pressing device 1 for joining workpieces 44, 45 has a pressing tool 3 and a motorized drive 5 for actuation of the pressing tool 3 over a pressing distance, as well as a control device 26 which has a drive control device 62 with an output control device 67 as actuator for influencing the drive 5, such that at least one setpoint profile is retained as a command variable according to which a manipulated variable, corresponding to the setpoint profile, is generated for influencing the output control device 67. The output control device 67 and the setpoint profile 79 or profiles are part of a servocontrol system.

Classifications:

International (IPC 8-9): B21D39/04 B25B27/10

B25B27/14 (Advanced/Invention);

B21D39/04 B25B27/02 B25B27/14 (Core/Invention)

International (IPC 1-7): B21D39/04 B23P19/04 B23P21/00

B25B27/00 B30B15/14 B30B15/26 F16L13/14

CPC: Y10T29/49913 Y10T29/53004 Y10T29/53009 Y10T29/53039

Y10T29/53061 Y10T29/53087 Y10T29/53026 Y10T29/53035

Y10T29/53987 B25B27/146 B21D39/046 B21D39/048 B25B27/10

Y10T29/5367

European: B21D39/04D B21D39/04E B25B27/10 B25B27/14C

US: 100/233 100/342 100/346 100/347 100/43 100/49 100/50

100/53 100/99 29/237 29/282 29/508 29/701 29/702 29/706 29/708

29/709 29/714 29/720 72/15.1 72/19.8 72/198 72/21.4 72/214 72/3

72/409.16 72/416

PatBase - US6035775_R

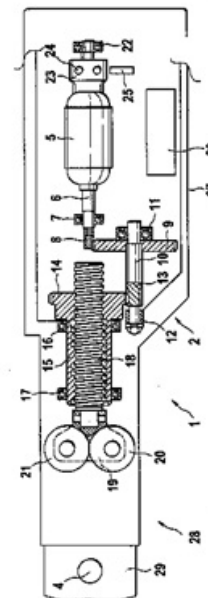
U.S. Patent

Mar. 14, 2000

Sheet 1 of 5

6,035,775

Fig. 1



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Publication number	Publication date	Application number	Application date
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US6035775 A	20000314	US19980026770	19980220
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US6240626 BA	20010605	US19980026771	19980220

Priority:

DE19972003052U 19970221 DE19975005272 19970823 EP19970114623 19970823
 DE19975009629 19970823 DE19975009268 19970823 DE19985002282 19980211
 EP19970114624 19970823

Probable Assignee: NOVOPRESS GMBH PRESSEN U PRESSWERKZEUGE AND CO KG

Assignee(s): (std): NOVOPRESS GMBH

Assignee(s): NOVOPRESS GMBH PRESSEN U ; NOVOPRESS GMBH PRESSEN U PRESSWERKZAUGE AND CO KG ; NOVOPRESS GMBH PRESSEN UND PRESSWERKZAUGE AND CO K ; NOVOPRESS GMBH PRESSEN U PRESSWERKZEUGE AND CO KG ; NOVOPRESS GMBH PRESSEN UND PRESSWERKZEUGE AND CO KG 41460 NEUSS DE ; NOVOPRESS GMBH PRESSEN UND PRESSWERKZEUGE AND CO KG ; NOVOPRESS GMBH PRESSEN UND PRESSWERKZAUGE AND CO KG ; NOVOPRESS GMBH PRESSEN U PRESSWERKZEUGE AND CO 41460 NEUSS DE KG ; NOVOPRES GMBH PRESSEN U PRESSWERKZEUGE AND CO KG ; NOVOPRES GMBH PRESSEN UND PRESSWERKZEUGE AND CO KG

Inventor(s): (std): KEWITZ RALF ; NGHIEM XUAN LUONG ; NGHIEM XUANG LUONG ; NGHIEM XUONG LUONG

Designated states: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Title: CONTROL OF DEVICE OPERATION WITHIN AN AREA

Abstract: Source: US2005232580A [EN] A method and apparatus are disclosed for selectively regulating devices. In a **wireless** communication system, a regulation zone is defined. Devices within a regulation zone (e.g. an electronic do-not-disturb (EDND) zone) are regulated by generating and transmitting inhibiting signals into or near the regulation zone. The inhibiting signals may be messages instructing devices to disable one or more of their sensing components or actual **interference** signals that prevent sensing components from functioning properly or watermarks that mark illicit recordings so that such illicit recordings are precluded from being transmitted over the network.

Classifications:

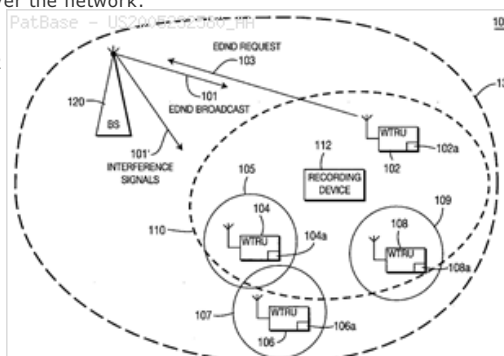
International (IPC 8-9): G08B13/00 B05D5/12 G01R1/067 G01R19/00 G01R27/00 G01R29/00 G01R31/00 G01S7/38 G03B13/32 G03B13/36 G08B21/00 G11C7/02 H04B1/38 H04L9/30 H04L9/36 H04M1/00 H04M1/66 H04M3/00 H04M3/42 H04N5/76 H04N5/765 H04N5/913 H04N7/16 H04N7/167 H04N7/173 H04N7/24 H04W24/00 (Advanced/Invention); H04W48/04 (Advanced/Non-invention); G03B13/32 G03B13/36 G11C7/02 H04B1/38 H04M3/00 H04N5/76 H04N5/765 H04N5/913 H04N7/24 (Core/Invention); H04W48/00 (Core/Non-invention)

International (IPC 1-7): G01R1/067 G01S7/38 G03B13/32 G05B15/00 G05B15/00 G08B13/00 G08B13/18 H04L9/30 H04L9/36 H04M3/42 H04N5/76

CPC: G01S13/02 H04M1/0202 H04M1/67 H04M1/72577 H04N7/163 H04N21/44231 H04N21/4627 H04N7/183 H04N21/42201 H04N21/4223 H04N7/1675 H04N21/25841 H04N21/41407 H04N21/4331 H04N21/4408 H04N21/6334 H04N21/6543 H04N21/6587 H04N21/8355 H04W48/04 H04N5/76 H04N7/17318 H04N21/2187 H04N21/2347 H04N21/4405 G02B7/28 G03B13/36 H04N5/765 H04N5/913 H04N21/2541 H04N21/4334 H04N21/6131 H04N21/835 H04N2005/91328 H04N2005/91335 H04N2005/91392

European: G01S13/02 G02B7/28 G03B13/36 H04M1/02A H04M1/725F2R H04N21/2187 H04N21/2347 H04N21/254R H04N21/258C4 H04N21/414M H04N21/4223 H04N21/422B H04N21/433C H04N21/433R H04N21/4405 H04N21/4408 H04N21/442L H04N21/4627 H04N21/61D4 H04N21/6334 H04N21/6543 H04N21/6587 H04N21/835 H04N21/8355 H04N5/76 H04N5/765 H04N5/913 H04N7/167D H04N7/16E2 H04N7/173B2 H04N7/18D T04M1/67 T04N5/913A5 T04N5/913A7 T04N5/913P T04W24/023 T04W248/04 T04W48/04

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Family:

Publication number	Publication date	Application number	Application date
AR051701 AA	20070131	AR2005P105085	20051206
TW200619662 A	20060616	TW20050141370	20051124
TW200625206 A	20060716	TW20050142208	20051130
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Priority:

US20040552403P	20040311	US20040631328P	20041129	US20040633527P	20041206
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Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): BRIANCON ALAIN C ; BRIANCON ALAIN CHARLES LOUIS ; CHANDRA ARTY ; GOLDBERG STEVEN J ; GOLDBERG STEVEN JEFFREY ; HERSCHAFT RICHARD D ; INTERDIGITAL TECH CORP ; HERSCHAFT RICHARD DAN ; PURKAYASTHA DEBASHISH ; THOMMANA JOHN ; KUMOLUYI AKINLOLU O ; WANG

PETER S ; WITHIN A DIGITAL TECHNOLOGY CO

Assignee(s): INTERDIGITAL TECHNOLOGY CORP

Inventor(s): (std): BRIANCON ALAIN C ; BRIANCON ALAIN C L ; BRIANCON ALAIN CHARLES LOUIS ; BRIANCON ALAN C ; CHANDRA ARTY ; DEBASHISH PURKAYASTHA ; ALAIN CHARLES LOUIS BRIANCON ; GOLDBERG STEVEN J ; GOLDBERG STEVEN JEFFREY ; HERSCHAFT RICHARD D ; HERSCHAFT RICHARD DAN ; JOHN THOMMANA ; KUMOLUYI AKINLOLU O ; PURKAYASTHA DEBASHISH ; RICHARD DAN HERSCHAFT ; THOMMANA JOHN ; WANG PETER S ; WANG PETER SHAOMIN ; KUMOLUYI AKINLOLU OLORUBTOSI

Inventor(s): WANG PETER ; STEVEN JEFFREY GOLDBERG ; KUMOLUYI AKINLOLU OLORUNTOSI ; KUMOLUYI AKINLOLU ; HERSCHAFT RICHARD ; ARTY CHANDRA ; BRIANCON ALAIN ; GOLDBERG STEVEN ; BRIANCON ALAIN CL

Agent(s): VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

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 KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: DEVICE AND METHOD FOR THE SUPPRESSION OF PULSED **WIRELESS** SIGNALS

Abstract: Source: US2005104767A [EN] The invention relates to a method of suppressing pulsed signals in particular of DME or TACAN type present in the radio signals received (Ue) by a radiofrequency receiver, characterized in that the reception frequency band of the receiver is chopped into frequency sub-bands corresponding to the transmission channels of the pulsed signals, in that the presence of the pulsed signals and the transmission channel of said pulsed signals in the frequency sub-bands are detected, and in that the frequency sub-band comprising the detected pulsed signals is filtered over the duration of the pulsed signal so as to eliminate said pulsed signals pulse type. Applications: protection of GPS or GALILEO type radio receivers against radio disturbances of the DME/TACAN pulse type.

Classifications:

International (IPC 8-9): G01S1/00 G01S1/02 G01S7/285 G01S7/292 H04B1/707 (Advanced/Invention);

G01S13/00 G01S13/78 G01S19/21 (Advanced/Non-invention)

International (IPC 1-7): G01S1/02 G01S13/00 G01S5/14 H04B1/707 H04B15/00

CPC: G01S13/785 G01S19/21 H04B1/7102 H04B2201/70715

European: G01S1/00S1A1 G01S19/21 H04B1/71T S01S13/78D T04B1/707S T04B201/707S

US: 342/159 342/159P 342/175 342/195 342/357.01 342/357.06 342/357.59 342/357.590S 342/42 342/46 342/47 342/89 375/130 375/130S 375/259 375/285 375/316 375/346 375/349 375/350 375/E01.023 375/E1.023 375/E10.23S 455/296 455/303 455/307 455/500 455/501 455/63.1 455/67.11 455/67.13 708/300 708/314 708/322

PatBase - US2005104767_AA

Patent Application Publication May 19, 2005 Sheet 1 of 4 US 2005/0104767 A1

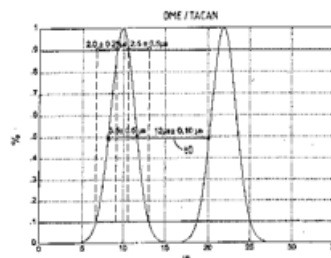


FIG.1

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CA2439563 AA	20030828	CA20022439563	20021220
EP1463954 A1	20041006	EP20020806033	20021220
FR2834563 A1	20030711	FR20020000163	20020108
FR2834563 B1	20040402	FR20020000163	20020108
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US7161528 BB	20070109	US20030467625	20030808
WO03058270 A1	20030717	WO2002FR04509	20021220

Priority:

FR20020000163 20020108 WO2002FR04509 20021220

Probable Assignee: THALES

Assignee(s): (std): KIRBY ESTELLE ; THALES ; RENARD ALAIN ; THALES SA

Inventor(s): (std): ALAIN RENARD ; ESTELLE KIRBY ; KIRBY ESTELLE ; RENARD ALAIN

Agent(s): MARKS AND CLERK; MARKS AND CLERK FRANCE; LOWE HAUPTMAN GILMAN AND BERNER LLP; LOWE HAUPTMAN AND BERNER LLP

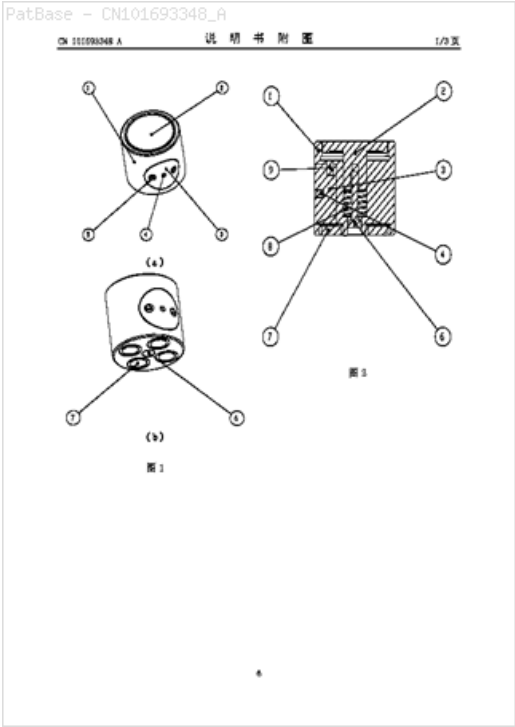
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Title: **Wireless** cutter damage **detection device** for processing center and detection method thereof

Abstract: Source: CN101693348A [EN] The invention discloses a **wireless** cutter damage **detection device** for a processing center and a detection method thereof. The **detection device** comprises a cutter length **detection device** and a **wireless** transmitting and receiving device, wherein the cutter length **detection device** consists of a base, an expandable mandrel, a first fastening screw nail, a second fastening screw nail and a spring, and the **wireless** transmitting and receiving device consists of a **wireless** transmitting device and a **wireless** receiving device. The detection method includes: the **wireless** cutter damage **detection device** for a processing center is arranged on a machine tool, an output end of the **wireless** receiving device is connected to an input terminal of a machine tool controller, when working, the machine tool controller controls a cutter to be fed to a set position, the cutter presses the expandable mandrel, when the machine tool controller receives a **wireless** signal, the machine tool can continuously execute, when the machine tool controller does not receive the **wireless** signal, the cutter is damaged, and then the machine tool stops working and alarms. The **wireless** cutter damage **detection device** is simple in structure, does not affect installation of fixtures, and is free of processing **interference**.

Classifications:

International (IPC 8-9): B23Q17/00 G01V3/12 (Advanced/Invention);
B23Q17/00 G01V3/12 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
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Priority:

CN200910232961 20091019

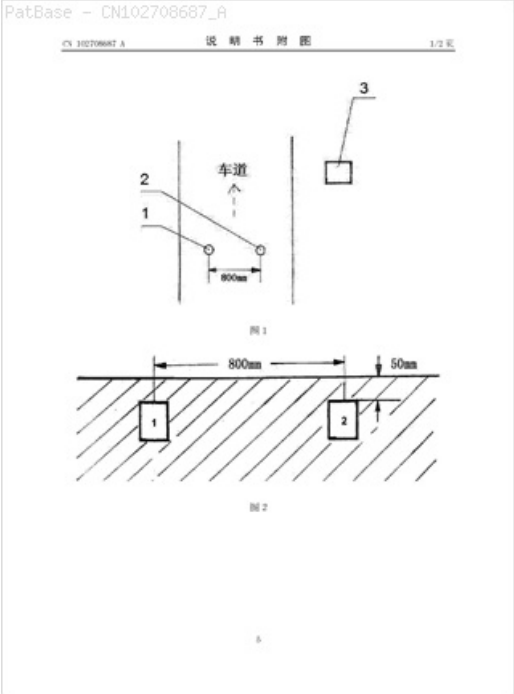
Probable Assignee: SUZHOU IND PARK YONGDA ELECTRO
Assignee(s): (std): SUZHOU IND PARK YONGDA ELECTRO
Assignee(s): SUZHOU INDUSTRIAL PARK YONGDA ELECTRONIC CO
Inventor(s): (std): JIEXIAO SUN ; SHUQIANG WANG
Inventor(s): SUN JIEXIAO ; WANG SHUQIANG

Title: **WIRELESS** INDUCTIVE ROAD VEHICLE FLOW **DETECTION DEVICE**

Abstract: Source: CN102708687A [EN] The application of the invention provides a **wireless** inductive road vehicle flow **detection device**. The **wireless** inductive road vehicle flow **detection device** comprises a roadside base station and a **wireless** induction device buried under a roadbed, wherein the **wireless** induction device comprises an emitter and a receiver which are buried in the horizontal space in the middle of a lane roadbed; a receiver circuit comprises a **wireless** receiving module, a central data processing system and a **wireless** transmission module emitting innumerable data information to the roadside base station; and the receiving induction sensitivity of the receiver is set below the induction critical point inducing a **wireless** transmitting signal of the emitter. When vehicles on the lane are running, are jammed or even completely stop, the **detection device** can accurately acquire the vehicle flow data and has the advantages of simple structure, high **interference** prevention performance and high operational reliability.

Classifications:

International (IPC 8-9): G08G1/01 G08G1/065 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN102708687 A	20121003	CN201210178817	20120601
CN102708687 B	20150401	CN201210178817	20120601
CN202632526 U	20121226	CN201220258195U	20120601

Priority:

CN201210178817 20120601 CN201220258195U 20120601

Probable Assignee: LIAONING JIDIAN POLYTECHNIC

Assignee(s): (std): LIAONING INST OF MECHATRONIC TECHNOLOGY ; LIAONING JIDIAN POLYTECHNIC

Inventor(s): (std): CHE JIANCHUN ; DEFA WANG ; JIANCHUN CHE ; JIE WANG ; JINGHUI ZHAO ; TONG WANG ; WANG DEFA ; WANG JIE ; WANG TONG ; ZHAO JINGHUI

Title: LOCKING DEVICE FOR TOTE BIN

Abstract: Source: US2010133126A [EN] A locking device is provided for locking a container having sidewalls and at least one lid defining an open position and a closed position. The locking device may include an elongate lock member configured to engage the lid(s) and a lock housing that is associated with at least one of the sidewalls. The lock housing may be configured to at least partially receive the elongate lock member. The locking device may be designed to be installed on the container in the field, or the locking device may be integrally formed with the container. The lock housing may include a security element that is detectable by a security system to guard against theft of the container. In some cases, a security module is provided that releasably attaches to the lock housing to provide further alarm functionality.

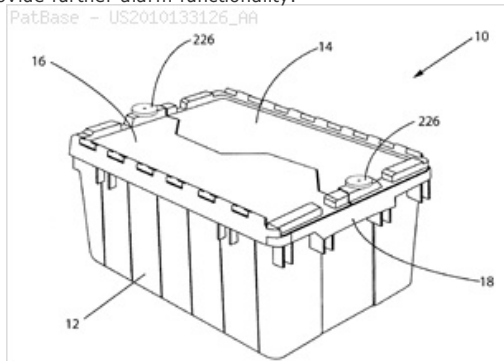
Classifications:

International (IPC 8-9): B60Q1/00 B65D45/00 B65D45/28 B65D90/00 E05B47/00 E05C1/02 G01S13/82 G01S5/02 G01V9/00 G06F15/173 G06K17/00 G06K7/00 G06K7/01 G06K7/10 G06Q10/00 G06Q10/08 G07C5/02 G07C9/00 G07F7/10 G08B13/00 G08B13/14 G08B13/24 H04B7/06 H04Q5/22 H04W16/28 (Advanced/Invention); G01S13/46 G01S7/40 G01S7/52 G08B13/24 (Advanced/Non-invention); B65D45/00 B65D90/00 E05B47/00 (Core/Invention)

CPC: G08B13/2402 G06Q10/087 G06Q30/06 G08B13/2471 G08B13/248 G08B13/2488 G07C9/00103 G07C9/00111 G08B13/1427 G08B21/0227 G08B21/0258 G08B21/0275 G08B25/10 G08B13/2442 H04W16/28 Y10T292/096 Y10T292/1017 Y10T292/1029 Y10T292/495 Y10T292/499 E05B47/004 G01S7/4004 G01S7/4052 G01S7/4056 G01S7/52004 G01S13/82 G01S2013/466 G01S2013/468 G06K7/10099 G06K7/10356 H04Q2213/13095 G06K7/10475 G06K2017/0045 G06Q10/08 G08B13/2462 G06K7/0008 G06K7/0095 G06K7/10217 H04B7/0617 Y02D70/144 Y02D70/162 Y02D70/164 Y02D70/166 Y02D70/22 Y02D70/444 Y02D70/00

European: E05B47/00B2 G01S13/82 G06K7/00E G06K7/00M G06K7/10A1E1A G06K7/10A4C G06K7/10A8G G06K7/10A9G G06Q10/08 G06Q10/087 G06Q10/08E G06Q30/06 G07C9/00B10 G07C9/00B8 G08B13/14D G08B13/24B G08B13/24B5T G08B13/24B7A1 G08B13/24B7D G08B13/24B7Y G08B21/02A11R G08B21/02A17 G08B21/02A23 G08B21/02A6 G08B25/10 H04B7/06C1B S06K17/00W6 T04Q213/13095

US: 1/1 206/216 220/315 220/323 235/375 235/385 235/435 292/137 292/141 292/151 292/319 292/321 340/10.1 340/10.100P 340/10.100S 340/10.3 340/10.300P 340/10.4 340/10.400P 340/541 340/541P 340/568.1 340/568.2 340/571 340/571P 340/572.1 340/572.100P 340/572.2 340/572.4 340/572.9 709/208 709/222 709/224 709/224P



Family:

Publication number	Publication date	Application number	Application date
AU2010295352 AA	20110324	AU20100295352	20100921
AU2010295352 BB	20141204	AU20100295352	20100921
AU2010295398 AA	20110324	AU20100295398	20100920
CA2745691 AA	20100610	CA20092745691	20091203
CA2776373 AA	20110324	CA20102776373	20100920
CN102648472 A	20120822	CN201080045122	20100920
CN102648472 B	20160309	CN201080045122	20100920
CN102667870 A	20120912	CN201080054816	20101001
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CN102741893 A	20121017	CN201080051263	20100921
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CN103250191 A	20130814	CN201080053688	20100928
CN103250191 B	20161019	CN201080053688	20100928
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EP2481035 A1	20120801	EP20100763513	20100921
EP2483832 A2	20120808	EP20100763507	20100920
EP2483869 A1	20120808	EP20100763569	20101001
EP2483877 A1	20120808	EP20100771555	20100928
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MX2011005833 A1	20110808	MX20110005833	20091203
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US2010133126 AA	20100603	US20090630372	20091203
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WO11035256 A2	20110324	WO2010US49520	20100920
WO11035256 A3	20110512	WO2010US49520	20100920
WO11035302 A1	20110324	WO2010US49653	20100921

WO11035303 A1	20110324	WO2010US49656	20100921
WO11035309 A2	20110324	WO2010US49672	20100921
WO11035309 A3	20111124	WO2010US49672	20100921
WO11038398 A1	20110331	WO2010US50561	20100928
WO11041688 A1	20110407	WO2010US51141	20101001

Priority:

EP20100771555	20100928	US20080119667P	20081203	US20090144306P	20090113
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US20110175492	20110701	US20100892498	20100928		

Probable Assignee: CHECKPOINT SYSTEMS INC

Assignee(s): (std): CHECK POINT SYSTEM INC ; CHECKPOINT SYS INC ; CHECKPOINT SYSTEMS INC ; KOZLOWSKI WILLIAM JACOB ; ECKERT LEE ; CLARE THOMAS ; ECKERT LEE H ; KOZLOWSKI JR WILLIAM JACOB ; CLARE THOMAS J ; SHUTE MATTHEW R ; SHAFER GARY MARK ; MERCIER MICHAEL ; MADHOW UPAMANYU ; WILD BEN J ; WANG STEVE ; RAMCHANDRAN KANNAN ; TKACHENKO ARTEM ; WYATT JAMES GORDON ; WYATT JAMES GORDON JR ; KRISHNAMURTHY VENKAT ; WYATT JR JAMES GORDON

Assignee(s): BANK OF AMERICA NA ; KOZLOWSKI WILLIAM JACOB JR ; SHUTE MATTHEW ROWLAND ; WELLS FARGO BANK ; CHECKPOINT SYSTEMS INC THOROFARE

Inventor(s): (std): CLARE THOMAS ; CLARE THOMAS J ; ECKERT LEE ; ECKERT LEE H ; ECKERT LUIS H ; GARY WHYATT JAY ; GORDON WYATT JAMES JR ; KOZLOWSKI JR WILLIAM JACOB ; KOZLOWSKI WILLIAM JACOB ; KOZLOWSKI WILLIAM JACOB JR ; KRISHNAMURTHY VENKAT ; MADHOW UPAMANYU ; MARK SHAFER GARY ; MERCIER MICHAEL ; MICHAEL MERCIER ; RAMCHANDRAN KANNAN ; SHAFER GARY MARK ; SHUTE MATTHEW R ; SHUTE MATTHEW ROWLAND ; THOMAS CLARE ; TKACHENKO ARTEM ; VENKAT KRISHNAMURTHY ; WANG STEVE ; WHYATT JAY GARY ; WILD BEN J ; WYATT JAMES GORDON ; WYATT JAMES GORDON JR ; WYATT JR JAMES GORDON

Inventor(s): WILLIAM JACOB KOZLOWSKI ; MATTHEW R SHUTE

Agent(s): FISHER ADAMS KELLY; FISHER ADAMS KELLY PTY LTD; FISHER ADAMS KELLY CALLINANS; PIZZEYS; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD; SMART AND BIGGAR; RIDOUT AND MAYBEE LLP; HASELTINE LAKE LLP; REES SIMON JOHN LEWIS; HERTZ OLIVER; CARVAJAL Y ISABEL; ALSTON AND BIRD LLP; NATHANIEL T; RICHARD A; NELSON MULLINS RILEY AND SCARBOROUGH LLP; GLESSNER MICHELE M ET AL; SLOMOWITZ SCOTT M; QUIRK NATHANIEL T ET AL; KAPLAN ADAM M 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

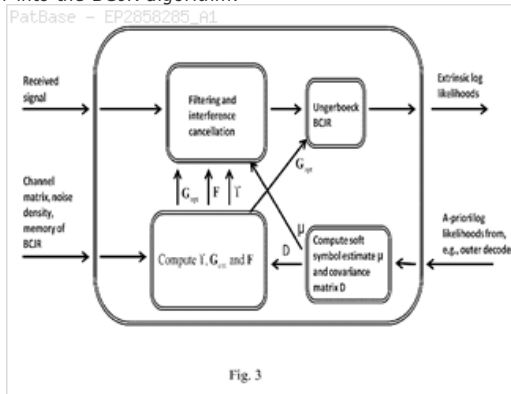
Title: VERFAHREN ZUR DETEKTIERUNG VON SYMBOLEN IN KOMMUNIKATIONSSIGNALEN METHOD FOR DETECTION OF SYMBOLS IN COMMUNICATION SIGNALS

Abstract: Source: EP2858285A1 [EN] The present invention relates to method for detection of symbols, comprising: receiving at least one communication signal y transmitted over a radio channel H , and receiving a priori LLRs of said channel inputs x ; computing soft symbol estimates μ and variance D of said channel inputs x based on LLRs of said channel inputs x ; filtering and **interference** cancelling said received signal y by using a first filter and filtered soft symbol estimates μ so as to obtain a filtered and **interference** cancelled received signal; estimating MSE matrix B of said filtered and **interference** cancelled received signal; computing an optimal matrix G_{opt} for a BCJR algorithm based on said MSE estimate B ; further filtering said filtered and **interference** cancelled received signal by using a second filter so as to obtain an input signal r to the BCJR algorithm; and feeding said input signal r into the BCJR algorithm.

Classifications:

International (IPC 8-9): H04L1/00 H04L25/02 H04L25/03
H04L5/00 (Advanced/Invention)

CPC: H04L1/005 H04L25/03171 H04L25/03286 H04L25/03318



Family:

Publication number	Publication date	Application number	Application date
■ CN103595666 A	20140219	CN201310552767	20131107
■ CN103595666 B	20160928	CN201310552767	20131107
■ EP2858285 A1	20150408	EP20130187322	20131004
■ EP2858285 B1	20180110	EP20130187322	20131004

Priority:

EP20130187322 20131004

Probable Assignee: HUAWEI TECH CO LTD

Assignee(s): (std): HUAWEI TECH CO LTD ; HUAWEI TECHNOLOGIES CO LTD

Assignee(s): HUAWEI TECHNOLOGIES CO

Inventor(s): (std): RUSEK FREDRIK ; RUZEK FREDERICK

Agent(s): THUN CLEMENS

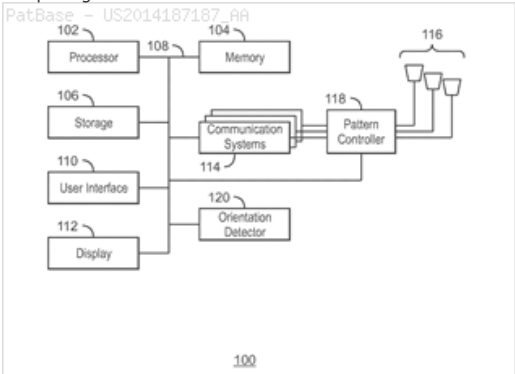
Designated states: AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO
PL PT RO RS SE SI SK SM TR

Title: RADIO FREQUENCY **INTERFERENCE** MITIGATION

Abstract: Source: US2014187187A [EN] A computing device including a **wireless** communication system is provided herein. The computing device includes a plurality of antennas coupled to the **wireless** communication system. The computing device also includes a pattern controller to shape an antenna pattern of the plurality of antennas to point a null of the antenna pattern toward a Radio Frequency **Interference** (RFI) source of the computing device.

Classifications:

International (ipc 8-9): H01Q3/26 H04B1/00 H04B1/10 H04B1/12
H04B15/00 H04B7/06 (Advanced/Invention)
CPC: H04B1/12 H01Q3/2611 H04B7/0617
US: 1/1 455/278.1



Family:

Publication number	Publication date	Application number	Application date
US2014187187 AA	20140703	US20120728689	20121227
US9294140 BB	20160322	US20120728689	20121227

Priority:

US20120728689 20121227

Probable Assignee: INTEL CORP

Assignee(s): (std): ALCOCER OCHOA ALBERTO ; CORDOURIER MARURI HECTOR A ; FALCONER MAYNARD C ; INTEL CORP

Inventor(s): (std): ALCOCER OCHOA ALBERTO ; CORDOURIER MARURI HECTOR A ; FALCONER MAYNARD C

Agent(s): INT IP LAW GROUP PLLC

Title: MEDICAL MEASURING DEVICE

Abstract: Source: US2008039699A [EN] The invention relates to a medical measuring device (10) comprising at least one measuring apparatus (12, 14), which has at least one sensor (16, 18) for generating a measuring signal of a patient (20, 22). A measuring data **detection device** (24) is also provided, which is designed to exchange measuring signals with the at least one measuring apparatus (12, 14) via an, in particular, **wireless** communication route (24, 26). The at least one measuring apparatus (12, 14) is designed to signal the quality of the measuring signals.

Classifications:

International (IPC 8-9): A61B5/00 G06F11/07

G06F19/00 (Advanced/Invention);

A61B5/0404 A61B8/00 (Advanced/Non-invention)

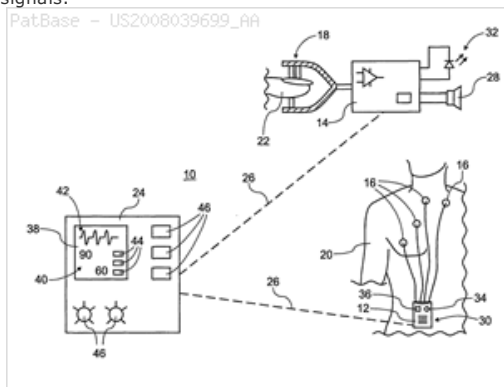
International (IPC 1-7): A61B5/00

CPC: G06F19/3406 G06F11/0784 A61B5/7221 A61B5/0002

A61B5/0404 A61B5/1455 A61B8/00 G16H40/63

European: A61B5/00B K61B5/0404 K61B5/1455 K61B8/00

US: 600/300 600/301



Family:

Publication number	Publication date	Application number	Application date
■ CN1886091 A	20061227	CN200480035472	20041123
■ CN1886091 B	20110713	CN200480035472	20041123
■ EP1691677 A1	20060823	EP20040799213	20041123
■ IN01936CN2006 A	20070608	IN2006CN01936	20060602
■ JP2007512888 T2	20070524	JP20060542071T	20041123
■ JP5421519 B2	20140219	JP20060542071T	20041123
■ US2008039699 AA	20080214	US20040596111	20041123
■ US8657742 BB	20140225	US20040596111	20041123
■ WO05053527 A1	20050616	WO2004IB52511	20041123
■ WO05053527 C1	20070503	WO2004IB52511	20041123

Priority:

EP20030104501 20031202

EP20040799213 20041123

WO2004IB52511 20041123

Probable Assignee: PHILIPS ELECTRONICS N V KONINKLL

Assignee(s): (std): KONINKL PHILIPS ELECTRONICS NV ; KONINKL PHILIPS NV ; NEUMANN ROLF ; PHILIPS INTELLECTUAL PROPERTY ; ROYAL DUTCH PHILIPS ELECTRONICS LTD

Assignee(s): PHILIPS KONINKLL NV ; PHILIPS ELECTRONICS KONINKLL NV ; PHILIPS INTELLECTUAL PROPERTY AND STANDARDS GMBH ; PHILIPS ELECTRONICS N V KONINKLL ; KONINKLIJKE PHILIPS ELECTRONICS N V ; KONINKLIJKE PHILIPS ELECTRONICS NV

Inventor(s): (std): NEUMANN ROLF ; ROLF NEUMANN

Agent(s): PHILIPS INTELLECTUAL PROPERTY AND STANDARDS

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: LIQUID CONTAINER REFILL REMOTE MANAGEMENT SYSTEM

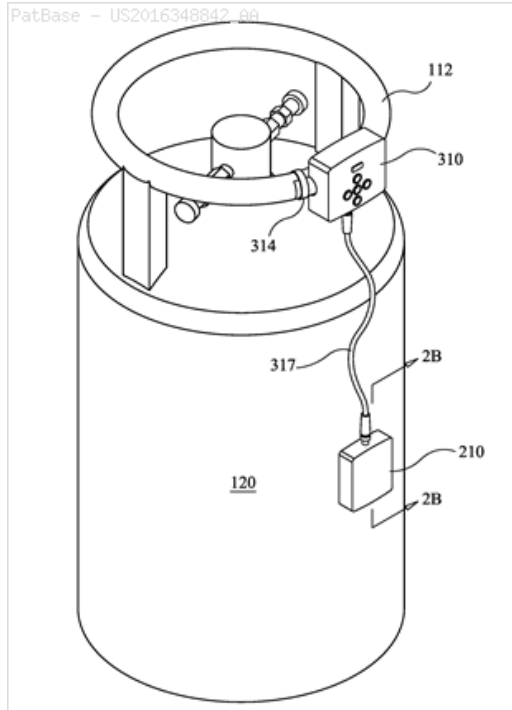
Abstract: Source: US2016348842A [EN] A tank-in-tank fill level indicator, making use of noninvasive tank-in-tank measuring techniques. A vibration device, such as an exciter or resonator, vibrates the outer tank at its natural frequency of vibration, thereby inducing the vibration of the inner tank and a beating effect as a result of the interaction of the vibrations of the two tanks. A vibration **detection device**, such as an accelerometer, detects the resultant beating effect of the two tanks' induced vibrations. A data processing device, such as a microcontroller, processes the detection data to obtain the liquid volume. A display, wired or **wireless** data transmission device, or combination thereof, is then used to provide tank or container fill-level information.

Classifications:

International (IPC 8-9): B67D1/04 F17C1/00 F17C1/04 F17C1/12 F17C13/00 F17C13/02 F17C7/04 G01F23/00 G01F23/22 G01F23/284 G01F23/296 G01M3/00 G01M3/32 G06N3/08 G06N99/00 G06Q10/08 (Advanced/Invention)

CPC: F17C13/003 F17C1/005 G01F23/284 G06Q10/087 F17C2205/058 F17C2221/013 F17C2250/034 F17C2250/032 F17C2250/0417 B67D2001/0092 G01F23/2966 F17C1/04 F17C1/12 F17C13/02 B67D1/0406 B67D1/008 G01F23/2961 F17C7/04 G06N99/005 G06N3/08 F17C2250/0408 B67D2001/0091

US: 702/51 705/28



Family:

Publication number	Publication date	Application number	Application date
CA2931710 AA	20161128	CA20162931710	20160530
US2016348842 AA	20161201	US20160168008	20160528
US2016349097 AA	20161201	US20160168005	20160528
US2018044159 AA	20180215	US20170723993	20171003

Priority:

US20150167376P 20150528	US20160168005 20160528	US20160168008 20160528
US20160338166P 20160518	US20170723993 20171003	US20160403453P 20161003

Probable Assignee: SONICU LLC

Assignee(s): (std): SONICU LLC

Assignee(s): CROUSE KENT ELDON

Inventor(s): (std): YOUNG JASON ; HOPF CLAY ; CROUSE KENT ELDON

Agent(s): ROBIC

Title: INTER-CELLULAR **INTERFERENCE** CANCELLATION

Abstract: Source: US2005130592A [EN] With respect to a first **wireless** transmit/receive unit (WTRU), at least one WTRU near the periphery of other cells is determined. Out of the at least one WTRU near the periphery, at least one WTRU nearby that WTRU is determined. The first WTRU codes are provided of the at least one nearby WTRU. A contribution of the at least one nearby WTRU is canceled from a received signal at a first WTRU, producing an **interference** canceled signal. Data of the first WTRU is detected from the **interference** canceled signal.

Classifications:

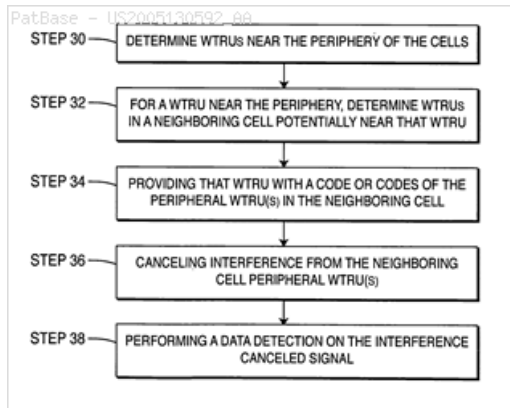
International (IPC 8-9): H04B1/10 H04B1/12
H04B1/707 (Advanced/Invention);
H04B1/10 H04B1/12 H04B1/707 (Core/Invention)

International (IPC 1-7): H04B1/10

CPC: H04B1/126 H04B1/7105 H04B1/7107

European: H04B1/12A2 H04B1/7107 T04B1/707F2J T04B1/7105

US: 375/E01.029 375/E1.029 375/E10.29S 455/296 455/296S
455/443 455/63.1 455/63.100 455/63.100P 455/67.11 455/67.110
455/67.110S



Family:

Publication number	Publication date	Application number	Application date
US2005130592 AA	20050616	US20030735936	20031215
US7373128 BB	20080513	US20030735936	20031215

Priority:

US20030735936 20031215

Probable Assignee: INTERDIGITAL TECHNOLOGY CORP

Assignee(s): (std): INTERDIGITAL TECH CORP

Assignee(s): INTERDIGITAL TECHNOLOGY CORP

Inventor(s): (std): DOWLING MARTIN J

Inventor(s): DOWLING MARTIN

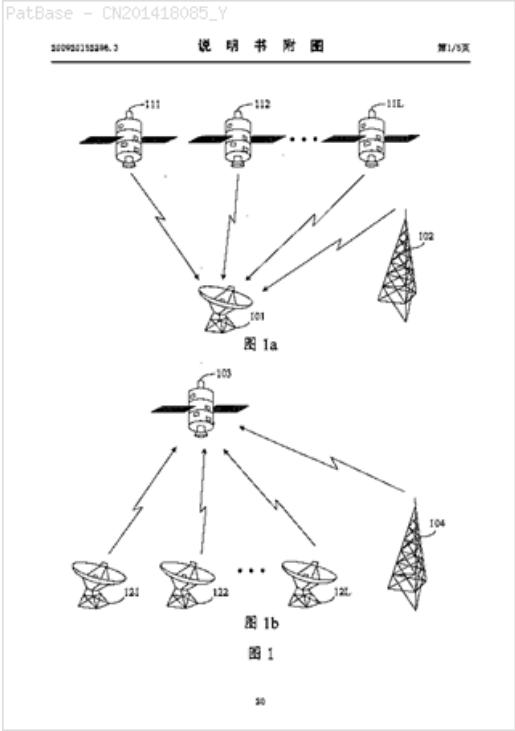
Agent(s): VOLPE AND KOENIG PC DEPT ICC; VOLPE AND KOENIG PC

Title: Transformation identification device for detecting **interference** signal of every kind in DS-CDMA system

Abstract: Source: CN201418085Y [EN] To solve problem that **interference** signal of every kind are not completely detected in the existing **wireless** DS-CDMA communication system device, the utility model provides a transformation, identification and **detection device** which can detect pulse **interference**, linear frequency-modulating **interference** and narrow band **interference**; when the detection result takes on a narrow band **interference**, further detection is carried out for identifying the audio **interference**, digital narrow band **interference** or self-regression random process. The transformation, identification and **detection device** receives the **wireless** communication signal and down-convert it to intermediate frequency signal, digitalized intermediate frequency signal, demodulated digital signal and extract sampling signal through chip matching filtering. First, compression character value of sampling signal are calculated in time domain, fractional Fourier transform domain or Fourier transform domain, then maximum value is judged; if the maximum value is separately character value of time domain, fractional Fourier transform domain or Fourier transform domain, the pulse **interference**, linear frequency-modulating interference or narrow band **interference** are separately detected; if the detected **interference** signal is narrow band **interference**, then the narrow band **interference** is further detected using the average value-variance characteristic of audio frequency **interference**, digital narrow band **interference** or self-regression random process.

Classifications:

International (IPC 8-9): H04L25/03 H04L27/26 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN201418085 Y	20100303	CN200920152296U	20090430

Priority:

CN200920152296U 20090430

Probable Assignee: FULIAN YIN
Assignee(s): (std): FULIAN YIN
Assignee(s): YIN FULIAN
Inventor(s): (std): FULIAN YIN ; HONG SHI ; LINLIN FENG ; WENQING YUE
Inventor(s): YIN FULIAN ; YUE WENQING ; FENG LINLIN ; SHI HONG

Title: CO-CHANNEL **INTERFERENCE** DETECTION METHOD, CO-CHANNEL **INTERFERENCE** **DETECTION** **DEVICE** AND ACCESS POINT EQUIPMENT

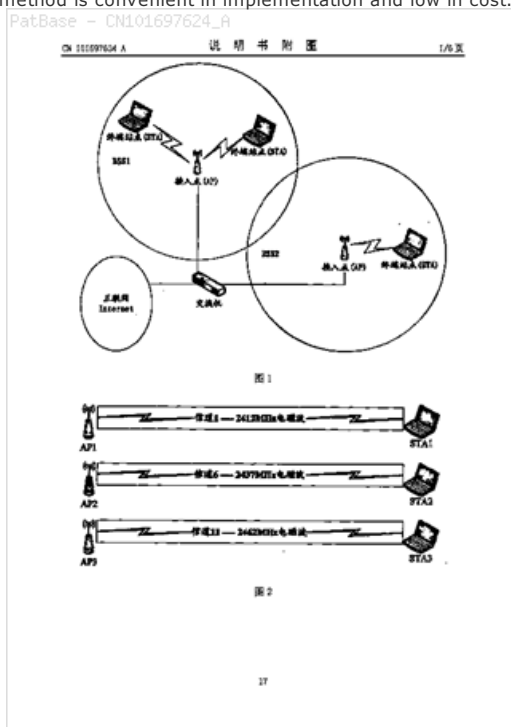
Abstract: Source: CN101697624A [EN] The invention discloses a co-channel **interference** detection method, a co-channel **interference** **detection** **device** and access point equipment, which are applied to a **wireless** local area network WLAN system. The method comprises the following steps that: an access point AP counts the use condition of a **wireless** channel which is currently used by the access point AP according to a set counting period and determines a medium utilization ratio in each counting period; the access point AP counts the bandwidth use condition of the equipment of the access point AP and determines the bandwidth utilization ratio in each counting period; and the access point AP compares a mean value of the medium utilization ratios with that of the bandwidth utilization ratios of each counting period in a set time range, determines whether a difference between the mean values is greater than a set **interference** threshold or not, if so, determines that co-channel **interference** exists in a basic service set which the access point belongs to, and if not, determines no co-channel **interference** exists. In the method, no bandwidth resource is occupied when the co-channel **interference** is detected, and no additional hardware investment is needed; and the method is convenient in implementation and low in cost.

Classifications:

International (IPC 8-9): H04B17/00 H04W24/00

H04W24/08 (Advanced/Invention);

H04B17/00 H04W24/00 (Core/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN101697624 A	20100421	CN200910205585	20091030
■ CN101697624 B	20120725	CN200910205585	20091030

Priority:

CN200910205585 20091030

Probable Assignee: RUIJIE NETWORKS CO LTD

Assignee(s): (std): FUJIAN RUIJIE NETWORKS CO LTD ; RUIJIE NETWORKS CO LTD

Assignee(s): FUJIAN RUIJIE NETWORKS CO ; RUIJIE NETWORKS CO

Inventor(s): (std): LAICAI LUO

Inventor(s): LUO LAICAI

Title: PERIODOGRAM-BASED RADIO SIGNAL DETECTION METHOD

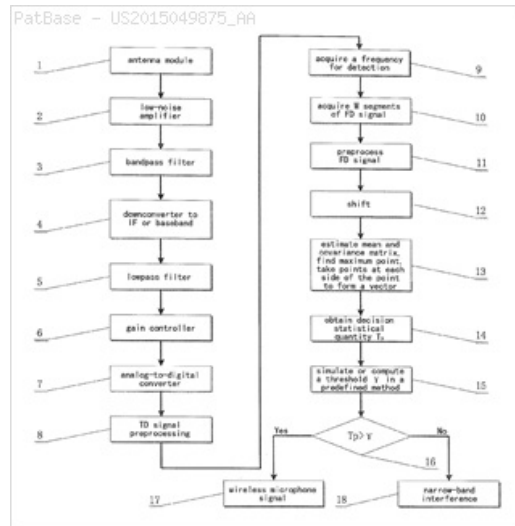
Abstract: Source: US2015049875A [EN] A periodogram-based **wireless** microphone signal detection method, which solves the problem of incapability of distinguishing **wireless** microphone signal from narrow-band **interference**, includes: acquiring a time-domain digital signal for detection through antenna module, RF front-end module, ADC module and time-domain signal preprocessing module; and performing detection of microphone signal in frequency domain, that is, calculating an average value of periodogram of M segments of the time-domain digital signal for detection, shifting the average value to obtain a shifted vector, estimating a mean and a covariance matrix of the shifted vector, locating a maximum point of the vector, and taking several points on each side of the point as a center to form an information vector; calculating a decision statistical quantity of the information vector using the decision theory, simulating or calculating a threshold in a predefined method, and deciding the signal is narrow-band **interference** if the decision statistical quantity is less than the threshold, otherwise the signal is **wireless** microphone signal.

Classifications:

International (IPC 8-9): H04B17/00 H04B17/336 H04B17/345 H04B17/354 H04R29/00 H04R3/00 (Advanced/Invention)

CPC: H04R29/004 H04B17/336 H04B17/345 H04R2420/07

US: 1/1 381/58

**Family:**

Publication number	Publication date	Application number	Application date
■ CN102571237 A	20120711	CN201110459578	20111231
■ CN102571237 B	20140813	CN201110459578	20111231
■ US2015049875 AA	20150219	US20120363995	20120522
■ US9462400 BB	20161004	US20120363995	20120522
■ WO13097407 A1	20130704	WO2012CN075877	20120522

Priority:

CN201110459578 20111231 WO2012CN075877 20120522

Probable Assignee: OF SCIENCE AND TECHNOLOGY OF CHINA UNIV

Assignee(s): (std): OF SCIENCE AND TECHNOLOGY OF CHINA UNIV ; SUN HUANHUAN ; UNIV OF SCIENCE AND TECH OF CHINA ; UNIV SCIENCE AND TECH CHINA ; USTC UNIV SCIENCE TECH CN ; ZHANG TAOTAO ; ZHANG WENYI

Assignee(s): UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA

Inventor(s): (std): HUANHUAN SUN ; SUN HUANHUAN ; TAOTAO ZHANG ; WENYI ZHANG ; ZHANG TAOTAO ; ZHANG WENYI

Agent(s): WORKMAN NYDEGGER; SHANGHAI PATENT AND TRADEMARK LAW OFFICE LLC

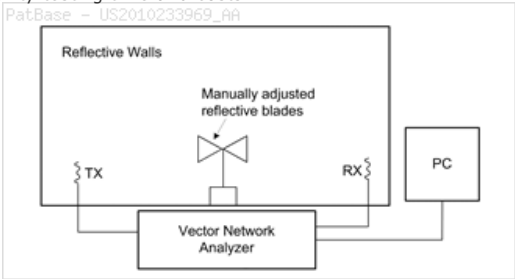
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Title: RECONFIGURABLE CHAMBER FOR EMULATING MULTIPATH FADING

Abstract: Source: US2010233969A [EN] Disclosed is a compact reconfigurable channel emulator, which may be used to emulate severe fading environments and test **wireless** systems and subsystems for operation in severe channel environments. Examples include radios, coding schemes, diversity methods and antennas. In particular, the chamber is well suited to test hardware associated with **wireless** sensor deployments for these tend to be susceptible to severe fading scenarios. Moreover, the invention is significantly smaller than traditional testing instruments, and with its automation, reduces electromagnetic **interference** and electromagnetic compatibility testing time and costs.

Classifications:

International (IPC 8-9): H04B17/00 (Advanced/Invention);
H04B17/00 (Core/Invention)
CPC: G01R29/0821 H04B17/0082
European: H04B17/00D
US: 455/67.14



Family:

Publication number	Publication date	Application number	Application date
US2010233969 AA	20100916	US20100728730	20100322
WO09039481 A1	20090326	WO2008US77198	20080922

Priority:

US20070973915P 20070920 US20100728730 20100322 WO2008US77198 20080922

Probable Assignee: OF SOUTH FLORIDA UNIV

Assignee(s): (std): FROLIK JEFF ; UNIV SOUTH FLORIDA ; UNIV VERMONT ; WELLER THOMAS

Assignee(s): UNIVERSITY OF VERMONT ; UNIVERSITY OF SOUTH FLORIDA ; OF SOUTH FLORIDA UNIV ; OF VERMONT UNIV

Inventor(s): (std): FROLIK JEFF ; WELLER THOMAS

Agent(s): SMITH HOPEN PA; TONER THOMAS E

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

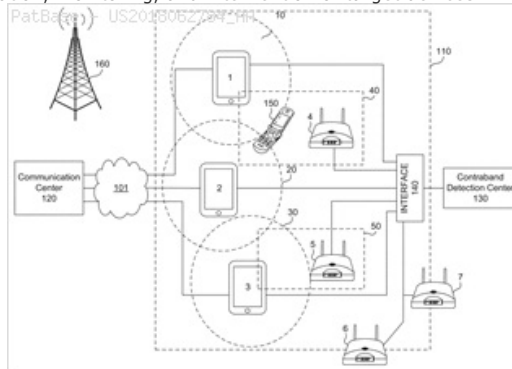
Title: SYSTEM AND METHOD FOR DETECTING AND CONTROLLING CONTRABAND DEVICES IN A CORRECTIONAL FACILITY UTILIZING PORTABLE ELECTRONIC DEVICES

Abstract: Source: US2018062784A [EN] The present disclosure provides details of a system and method for detecting and monitoring a contraband device including communication devices and drones/UAVs by utilizing a combination of mobile devices, fixed monitoring devices, and a contraband monitoring center. The mobile devices include smart phones or tablets that are borrowed, rented, or purchased by an inmate from a correctional facility. These mobile devices are configured to detect, monitor, and intervene in the communications of target devices. Further, the mobile devices are configured to communicate with fixed monitoring devices located throughout the correctional facility in performing intervention operations. The contraband monitoring center may also be utilized in the coordination, monitoring, and intervention of target devices.

Classifications:

International (IPC 8-9): H04K3/00 H04M1/725 H04N5/232 H04W4/02 H04W4/04 H04W8/18 (Advanced/Invention)

CPC: H04K3/825 H04W4/02 H04W8/183 H04W4/027



Family:

Publication number	Publication date	Application number	Application date
US2018062784 AA	20180301	US20160245925	20160824
US2018062785 AA	20180301	US20170612574	20170602
US2018062786 AA	20180301	US20170653778	20170719
WO18038946 A1	20180301	WO2017US46596	20170811

Priority:

US20160245925 20160824 US20170612574 20170602 US20170653778 20170719

Probable Assignee: GLOBAL TEL LINK CORP

Assignee(s): (std): GLOBAL TEL LINK CORP

Inventor(s): (std): HODGE STEPHEN LEE

Agent(s): SPECHT MICHAEL D ET AL

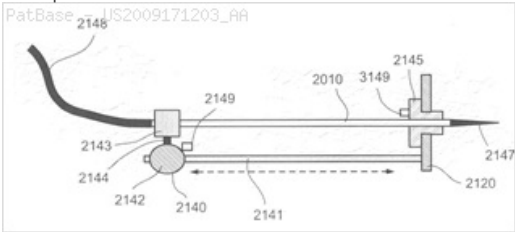
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Title: CRYOTHERAPY INSERTION SYSTEM AND METHOD

Abstract: Source: US2009171203A [EN] Methods and systems for inserting therapeutic probes into a patient are present. Embodiments include an automated probe insertion system and a probe insertion guide comprising a moveable probe guide sleeve; a positioner for positioning said probe guide sleeve; and a controller operable to receive a definition of a locus within a body of a patient and to direct positioning and orienting of said probe guide sleeve so that a probe advanced through said sleeve will advance in direction of said locus. Cryosurgery applications are presented.

Classifications:

International (IPC 8-9): A61B18/02 A61B19/00 A61B8/00 A61B8/12 A61B8/14 G08B21/00 H04K1/00 (Advanced/Invention); A61B18/00 A61B19/00 A61B8/00 A61B8/12 A61B8/14 G08B21/00 H04K1/00 (Core/Invention)
CPC: A61B34/10 A61B34/25 A61B34/30 A61B90/11 A61B2034/101 A61B2034/104 A61B2090/378 A61B18/02 A61B2017/00482 A61B2018/0262 A61B2018/1861
European: A61B18/02 A61B19/20B K61B17/00K2 K61B18/02H4 K61B18/18M6 K61B19/22B K61B19/50 K61B19/50B K61B19/52H14 K61B19/56
US: 340/686.4 340/686.400P 600/439 600/439P 600/445 600/445S 606/130 606/130S 606/20 606/20S 606/21 606/21S



Family:

Publication number	Publication date	Application number	Application date
US2009171203 AA	20090702	US20070226949	20070502
US2009318804 AA	20091224	US20070226900	20070502
US2010019918 AA	20100128	US20070226948	20070502
WO07129308 A2	20071115	WO2007IL00537	20070502
WO07129308 A3	20090402	WO2007IL00537	20070502
WO07129308 A9	20090528	WO2007IL00537	20070502
WO07129309 A1	20071115	WO2007IL00538	20070502
WO07129310 A2	20071115	WO2007IL00539	20070502
WO07129310 A3	20071227	WO2007IL00539	20070502

Priority:

US20060796519P 20060502 US20070226900 20070502 WO2007IL00538 20070502
US20070226949 20070502 WO2007IL00537 20070502 US20070226948 20070502
WO2007IL00539 20070502

Probable Assignee: GALIL MEDICAL LTD

Assignee(s): (std): AVITAL OFER ; GALIL MEDICAL LTD ; HEFETZ YARON ; KOCHAVI EYAL ; PIANKA PAZIT ; PANSKY AMIR

Assignee(s): SILICON VALLEY BANK AGENT AS

Inventor(s): (std): AVITAL OFER ; HEFETZ YARON ; KOCHAVI EYAL ; KOCHIVI EYAL ; PANSKY AMIR ; PIANKA PAZIT

Agent(s): MARTIN D MOYNIHAN D B A PRTSI INC; G E EHRlich 1995 LTD ET AL

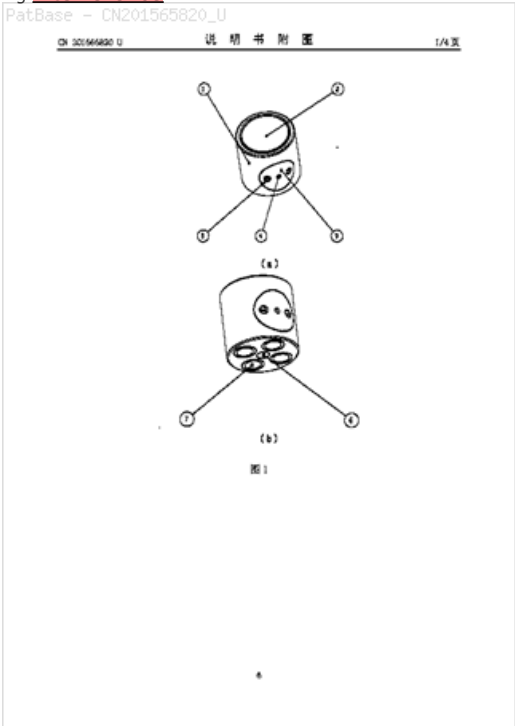
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Title: **Wireless** cutter breakage **detection device** used in machining center.

Abstract: Source: CN201565820U [EN] The utility model discloses a **wireless** cutter breakage **detection device** used in a machining center. The **detection device** comprises a cutter length **detection device** and a **wireless** transmitting and receiving device, wherein the cutter length **detection device** consists of a base, a retractable core shaft, a first fastening bolt, a second fastening bolt and a spring; and the **wireless** transmitting and receiving device consists of a **wireless** transmitting device and a **wireless** receiving device. The **detection device** provided by the utility model has a simple structure, can not affect the installation of clamps and has no processing **interference**.

Classifications:

International (IPC 8-9): B23Q17/09 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN201565820 U	20100901	CN200920235341U	20091019

Priority:

CN200920235341U 20091019

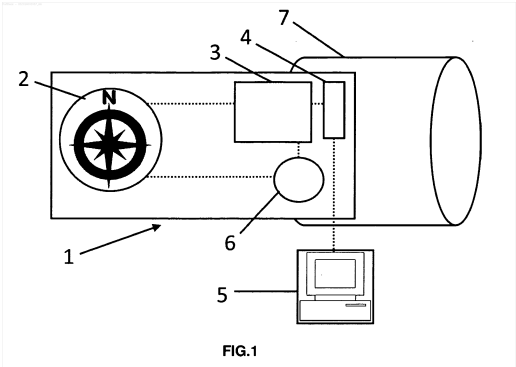
Probable Assignee:	CHUNXING CASTING S I P CO LTD
Assignee(s): (std):	CHUNXING CASTING S I P CO LTD
Assignee(s):	CHUNXING CASTING S I P CO
Inventor(s): (std):	JIEXIAO SUN ; SHUQIANG WANG
Inventor(s):	SUN JIEXIAO ; WANG SHUQIANG

Title: DEVICE, SYSTEM AND METHOD FOR METAL DETECTION

Abstract: Source: US2014002067A [EN] A metal **detection device** is described which enables, by means of a module for determining the variation in the magnetic field, the determination, in accordance with the variations in the magnetic field, of the nearby presence of metallic materials based on the **interference** produced by said presence in the magnetic field that surrounds the device described herein.

Classifications:

International (IPC 8-9): G01R33/02 G01V3/08 G01V3/11
G08B13/24 (Advanced/Invention)
CPC: G01R33/02 G01V3/081 G01V3/087
US: 324/228



Family:

Publication number	Publication date	Application number	Application date
EP2674790 A1	20131218	EP20130171959	20130614
ES2435212 AB	20131216	ES20120030945	20120615
ES2435212 BA	20141121	ES20120030945	20120615
ES2435212 R1	20140211	ES20120030945	20120615
US2014002067 AA	20140102	US20130917860	20130614

Priority:

ES20120030945 20120615

Probable Assignee: MATINSA PROYECTOS E INSTALACIONES INDSTRIALES SL

Assignee(s): (std): MATINSA PROYECTOS E INSTALACIONES IND S L

Assignee(s): MATINSA PROYECTOS E INSTALACIONES INDSTRIALES SL ; MATINSA PROYECTOS E INSTALACIONES INDUSTRIALES SL

Inventor(s): (std): GARCES CADENAS JAVIER ; MARTI ROVIROSA XAVIER

Inventor(s): XAVIER MARTI ROVIROSA ; JAVIER GARCES CADENAS

Agent(s): PONS ARINO ANGEL; PONS ANGEL

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: CONVEYOR SYSTEM FOR TWO OR MORE TROUGHS

Abstract: Source: US2006157324A [EN] A right angle conveyor has a first trough and a second trough to move product by reciprocating motion with the second trough at an angle to the first trough. Rocker arms and corresponding reactor springs joined to a chassis form the first and second troughs. The first trough has a motor upon the chassis, eccentric cam, and a linkage to induce reciprocating motion into the conveyor. To induce reciprocation, the first trough has a first bracket connected to a yoke upon a trunnion joined to the chassis, a yoke connected to a slave drive spring bracket, a slave spring connected to the slave drive spring bracket and to a second bracket, the slave spring connected to a second bracket beneath the second trough. The yoke has three pinned connections to permit rotation. Thus, reciprocal movement of the first trough transmits through the first bracket to the first pin, rotates the yoke upon the trunnion, moves the second pin, transmits movement to the slave drive spring bracket and the slave spring and then to the second bracket, thus moving product upon the second trough perpendicular to the first trough. In an alternate embodiment, the yoke has ball and socket connections and a trunnion upon a pivoting base so the second trough moves at any angle to the first trough.

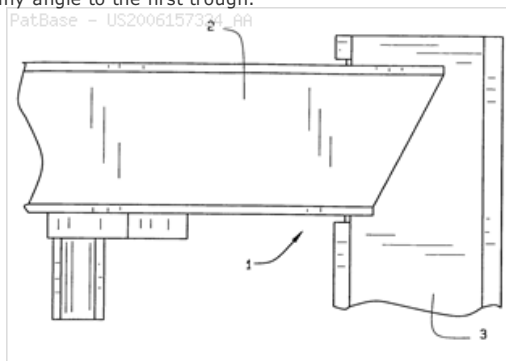
Classifications:

International (IPC 8-9): A61B18/12 A61B5/02 B65G27/00
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G06K19/077 G06K7/01 G08B1/08 G08B23/00 H01L21/00 H01P11/00
H01Q11/12 H02J7/00 H04B1/04 H04B1/06 H04B1/16 H04B1/40
H04B1/44 H04B13/02 H04B5/00 H04B7/00 H04J3/02 H04M1/00
H04Q5/22 H04W24/00 H05K3/00 (Advanced/Invention);
B82Y99/00 H01Q1/36 (Advanced/Non-invention);
B65G27/00 B65G27/10 G08B1/00 H01Q11/00 H04B1/04 H04B1/06
H04B13/00 H04J3/02 H04M1/00 H04Q5/00 (Core/Invention);
H01Q1/36 (Core/Non-invention)

CPC: B65G27/34 H01Q1/2225 H01Q1/248 H04Q2213/13095
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T01L23/31H1 T04Q213/13095

US: 198/735.6 198/750.8 198/753 198/760 198/763 29/600 29/600P 29/829 29/829S 340/10.1 340/10.100P 340/10.34
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977/932 977/932S

**Family:**

Publication number	Publication date	Application number	Application date
EP1847025 A2	20071024	EP20060748165	20060120
US2006157324 AA	20060720	US20060325744	20060105
US2007281657 AA	20071206	US20060578275	20060120
US2009072950 AA	20090319	US20080271299	20081114
US2009284351 AA	20091119	US20080271292	20081114
US2011265314 AA	20111103	US20110183679	20110715
US2011267235 AA	20111103	US20110183665	20110715
US2011269401 AA	20111103	US20110183637	20110715
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US2011304430 AA	20111215	US20110183663	20110715
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US2015200557 AA	20150716	US20150664859	20150322
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US8185052 BB	20120522	US20110183556	20110715
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US8295767 BB	20121023	US20110183679	20110715
US9011345 BB	20150421	US20110183637	20110715
US9831694 BB	20171128	US20150664859	20150322
WO06088600 A2	20060824	WO2006US01890	20060120
WO06088600 A3	20061026	WO2006US01890	20060120

Priority:

US20050645079P	20050120	US20050645221P	20050120	US20050645225P	20050120
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US20050722309P	20050930	US20050726145P	20051013	US20060325744	20060105
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US20110183643	20110715	US20110183663	20110715	US20110183575	20110715
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WO2006US01890	20060120				

Probable Assignee: RADIOFIDO LLC

Assignee(s): (std): DIDION MICHAEL ; CHAUVIN FRED T ; CONVEYOR DYNAMICS CORP ; BROMMER TRACEY H ;
SIMONSON PETER ; BROMMER KARL D ; EGRATION INC BAE SYSTEMS INFOR ; RADIOFIDO LLC ;
APOSTOLOS JOHN T ; BAE SYS INF AND ELECT SYS INTEG ; BAE SYSTEM INFORMATION AND ELE ; BAE

SYSTEMS INFORMATION ; ROSSMAN COURT

Assignee(s): BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INT ; BAE SYSTEM INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC ; BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC ; EGRATION INC BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INT

Inventor(s): (std): APOSTOLOS JOHN T ; BROMMER KARL ; BROMMER KARL D ; BROMMER TRACEY ; BROMMER TRACEY H ; BROMMER TRACY ; CHAUVIN FRED T ; DIDION MICHAEL ; GILI PAUL E ; ROSSMAN COURT ; SIMONSON PETER

Inventor(s): CHAUVIN FRED

Agent(s): PAUL M DENK; BAE SYSTEMS; DENK PAUL M; PAUL M; FINCH AND MALONEY PLLC; NEIL F; DANIEL J; ROBERT K; NKK PATENT LAW PLLC; NK PATENT LAW PLLC

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 KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: STEEL SPRING AND TENSION SENSOR BASED DANGEROUS ROCK COLLAPSE **DETECTION DEVICE** AND STEEL SPRING AND TENSION SENSOR BASED DANGEROUS ROCK COLLAPSE DETECTION METHOD

Abstract: Source: CN103033304A [EN] The invention discloses a steel spring and tension sensor based dangerous rock collapse **detection device** and a steel spring and tension sensor based dangerous rock collapse **detection device** comprises a plurality of tension sensors, the two ends of each tension sensor are both fixedly installed with one end of each steel spring, the other end of each steel spring is fixedly connected with a foundation seat which is fixed in an underholing formed in one side of a crack of a dangerous rock, a **wireless** module is arranged on each tension sensor, the **wireless** modules are connected with a receiving main engine through **wireless** signals, and the receiving main engine is connected with a receiving terminal. The invention simultaneously and further discloses the detection method of the steel spring and tension sensor based dangerous rock collapse **detection device**. According to the steel spring and tension sensor based dangerous rock collapse **detection device** and the steel spring and tension sensor based dangerous rock collapse detection method, mechanical parameter variation of the dangerous rock is used for collapse trend monitoring, and a data **wireless** sensor network is achieved and established. The steel spring and tension sensor based dangerous rock collapse **detection device** and the steel spring and tension sensor based dangerous rock collapse detection method has the advantages of being high in precision, breakage-proof, strong in antijamming capacity, convenient in measuring and the like.

Classifications:

International (IPC 8-9): G01L5/00 G08C17/02 (Advanced/Invention)

PatBase - CN103033304_A

CN 103033304 A 说明书附图 1/3 页

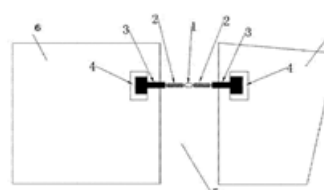


图 1

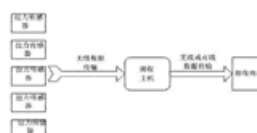


图 2

Family:

Publication number	Publication date	Application number	Application date
CN103033304 A	20130410	CN201210551607	20121219
CN103033304 B	20141015	CN201210551607	20121219
CN202974536 U	20130605	CN201220702364U	20121219

Priority:

CN201210551607 20121219 CN201220702364U 20121219

Probable Assignee: UNIV SHANDONG

Assignee(s): (std): SHANDONG UNIV ; UNIV SHANDONG

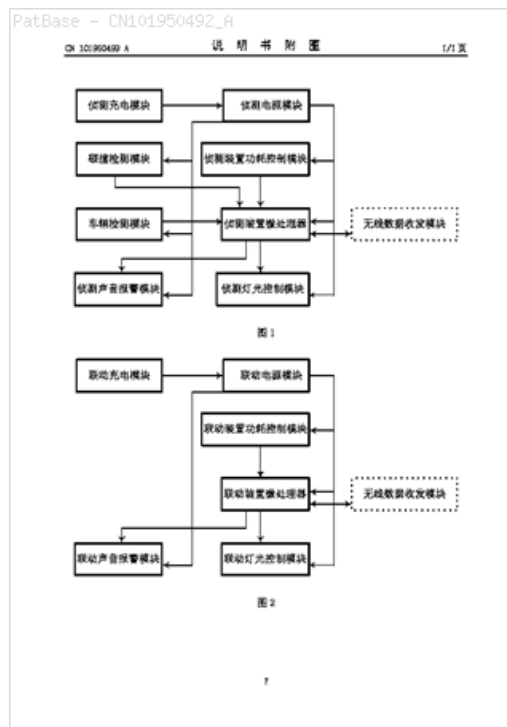
Inventor(s): (std): LI SHUCAI ; NING KAI ; TIAN HAO ; XU XIANHUI ; XUE YIGUO ; YAN MAOWANG ; ZHANG LEWEN ; ZHANG QIAN

Title: TRAFFIC SAFETY PROTECTION INTELLIGENT EARLY WARNING DEVICE

Abstract: Source: CN101950492A [EN] The invention relates to a traffic safety protection intelligent early warning device, comprising a caution **detection device** which comprises a vehicle detection module, wherein, the vehicle detection module is connected with a **detection device** microprocessor; the vehicle detection module detects passing vehicles; and the **detection device** microprocessor outputs a corresponding audible alarm signal through detecting an audible alarm module. The **detection device** microprocessor of the invention outputs the audible alarm signal through detecting the audible alarm module, and outputs a lamplight alarm signal through detecting a lamplight control module; the glitter of the lamplight alarm signal can guide the travelling of vehicles; the **detection device** microprocessor is connected with a linkage device microprocessor through a **wireless** data transmitting and receiving module; and the linkage device microprocessor outputs the corresponding audible alarm signal through linking the audible alarm module, and outputs the lamplight alarm signal through linking the lamplight control module. The traffic safety protection intelligent early warning device can effectively alarm and prompt the protection people on the distant site, has the advantages of wide application range, strong anti-**interference** ability, safety and reliability.

Classifications:

International (IPC 8-9): G08G1/16 (Advanced/Invention)

**Family:**

Publication number	Publication date	Application number	Application date
■ CN101950492 A	20110119	CN201010521558	20101027
■ CN101950492 B	20120530	CN201010521558	20101027

Priority:

CN201010521558 20101027

Probable Assignee: TMRI CHINA

Assignee(s): (std): TMRI CHINA ; TRAFFIC MAN RES INST OF THE MINISTRY OF PUBLIC SECURITY

Assignee(s): TRAFFIC MANAGEMENT RESEARCH INSTITUTE OF THE MINISTRY OF PUBLIC SECURITY

Inventor(s): (std): QING MA ; XIANZHEN ZHOU ; XIAOWU LI ; CHUNJUN YU ; ZHIYUN ZHANG

Inventor(s): ZHOU XIANZHEN ; LI XIAOWU ; MA QING ; YU CHUNJUN ; ZHANG ZHIYUN

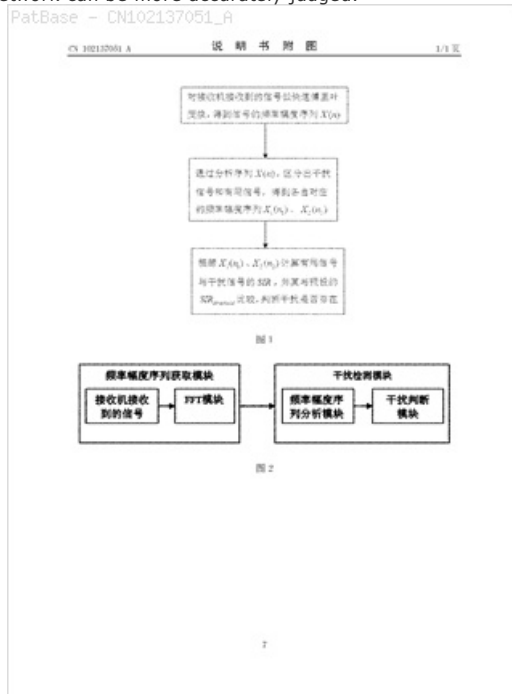
Title: **INTERFERENCE** DETECTION METHOD USED IN **WIRELESS** SENSOR NETWORK AND **DETECTION DEVICE** THEREOF

Abstract: Source: CN102137051A [EN] The invention relates to a method and a device in the technical field of a **wireless** sensor network, in particular to an **interference** detection method used in a **wireless** sensor network and a **detection device** thereof. The method comprises the following steps: carrying out fast fourier transform on a domain signal received by a receiver to obtain the frequency spectrum of the domain signal; sequentially carrying out multitone **interference** detection and partial frequency band **interference** detection on the frequency spectrum of the domain signal to obtain the frequency spectrums X1 (n1) and X2 (N2) of a transmission signal and an **interference** signal; and finally, calculating the power ratio of the transmission signal and the **interference** signal, and detecting and judging whether the **interference** signal exists or not when the power ratio is less than an **interference** threshold. By the invention, the received signal is reasonably judged, so that whether the **interference** exists in the network can be more accurately judged.

Classifications:

International (IPC 8-9): H04L25/03 H04L27/26 (Advanced/Invention)

CPC: Y02B60/50



Family:

Publication number	Publication date	Application number	Application date
CN102137051 A	20110727	CN201110058052	20110310
CN102137051 B	20130320	CN201110058052	20110310

Priority:

CN201110058052 20110310

Probable Assignee: UNIV SHANGHAI JIAOTONG

Assignee(s): (std): SHANGHAI JIAO TONG UNIV ; UNIV SHANGHAI JIAOTONG

Assignee(s): SHANGHAI JIAOTONG UNIV ; SHANGHAI JIAOTONG UNIVERSITY

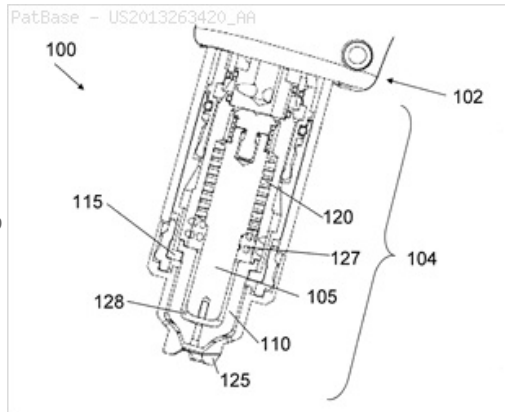
Inventor(s): (std): ZHU YANMIN ; YUAN JIANG ; YANMIN ZHU ; JIANG YUAN

Title: OPTIMIZATION AND CONTROL OF MATERIAL PROCESSING USING A THERMAL PROCESSING TORCH

Abstract: Source: US2013263420A [EN] A method is provided for configuring two thermal processing systems. The method includes providing a first consumable for use in a first thermal processing torch and a second consumable for use in a second thermal processing torch. The first and second consumables have substantially identical physical characteristics. The first and second torches are mounted in a first thermal process system and a second thermal processing system, respectively. The method also includes sensing, by the first thermal processing system, first data stored in a first signal device associated with the first consumable and sensing, by the second thermal processing system, second data stored in a second signal device associated with the second consumable.

Classifications:

International (IPC 8-9): B23K10/00 B23K10/02 B23K26/08 B23K26/20 B23K26/21 B23K26/30 B23K26/38 B23K31/10 B23K31/12 B23K5/00 B23K7/10 B23K9/10 B23Q17/00 B24B49/00 B24B49/10 B24C1/04 B24C3/02 B24C5/02 B26D5/00 B26F3/00 G05B19/18 G05B19/4097 G06K19/00 G06K19/077 G06K7/10 G08B13/14 H05H1/34 H05H1/38 (Advanced/Invention); B23K101/18 B23K103/04 B26D5/00 (Advanced/Non-invention)
CPC: B23K9/16 B23K9/32 Y10T29/49764 B24B49/10 B23K26/702 B23K26/60 G06K7/10316 H05H2001/3489 B24C3/02 B23K9/0956 B23K26/422 B23K10/00 G06K19/07758 G06K7/10019 G06K19/07779 B23K26/20 B23K5/00 B23K7/10 B23K10/006 B23K26/21 B23K26/38 B23K2203/04 B23K10/02 B23K2201/18 B24C1/045 B26D5/00 B26F3/004 H05H1/38 H05H2001/3436 H05H2001/3457 H05H2001/3473 H05H2001/3484 H05H2001/3494 G06K19/00 G05B19/182 G05B2219/45041 G05B2219/49001 H05H1/34
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Family:

Publication number	Publication date	Application number	Application date
AU2013243710 AA	20131010	AU20130243710	20130329
AU2013243710 BB	20160602	AU20130243710	20130329
AU2013243978 AA	20131010	AU20130243978	20130114
AU2013243978 BB	20160915	AU20130243978	20130114
CN104322152 A	20150128	CN201380018721	20130114
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US2013264317 AA	20131010	US20130838919	20130315
US2013264320 AA	20131010	US20120439259	20120404
US2014061170 AA	20140306	US20130075692	20131108
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US2014113527 AA	20140424	US20130135714	20131220
US2015127137 AA	20150507	US20150589270	20150105
US2015332071 AA	20151119	US20150807679	20150723
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US2016221108 AA	20160804	US20160056437	20160229
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US9395715 BB	20160719	US20150589270	20150105
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WO13151602 A2	20131010	WO2013US21364	20130114
WO13151602 A3	20140320	WO2013US21364	20130114
WO13151602 A4	20140522	WO2013US21364	20130114
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WO16014834 A1	20160128	WO2015US41802	20150723
WO16138524 A1	20160901	WO2016US20089	20160229

Priority:

US20120439259	20120404	US20120560059	20120727	US20130838919	20130315
US20130075692	20131108	US20130079163	20131113	US20130135714	20131220
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US20160056437	20160229	US20150126194P	20150227	WO2014US70030	20141212

Probable Assignee: HYPERTHERM INC

Assignee(s): (std): BEST GUY ; SHIPULSKI E MICHAEL ; HYPERTHERM INC ; LIEBOLD STEPHEN ; LINDSAY JON ; BRAHAN PETER ; CHIN WAYNE ; ANDERSON RICHARD

Assignee(s): BANK OF AMERICA NA ; BANK OF AMERICA NA COLLATERAL AGENT AS

Inventor(s): (std): ANDERSON RICHARD ; BEST GUY ; BRAHAN PETER ; BRANDT AARON ; BRINE ERIK ; CHALMERS ERIC J ; CHIN WAYNE ; GOULD CLAYTON ; HANSEN BRETT A ; HOFFA MICHAEL ; LIEBOLD STEPHEN ; LIEBOLD STEPHEN M ; LINDSAY JON ; MAO JUNSUNG ; ROBERTS JESSE A ; SANDERS NICHOLAS A ; SHIPULSKI E MICHAEL ; SHIPULSKI MICHAEL ; TWAROG PETER J ; VANDERGON CEDAR J ; PETERS JOHN ; LINDSAY JON W

Inventor(s): SHIPULSKI E

Agent(s): PIZZEYS ; PIZZEYS PATENT AND TRADE MARK ATTORNEYS PTY LTD ; TRUEMAN LUCY PETRA ; PROSKAUER ROSE LLP ; RASMUSSEN XIN HU ; PENoyer GREGORY J

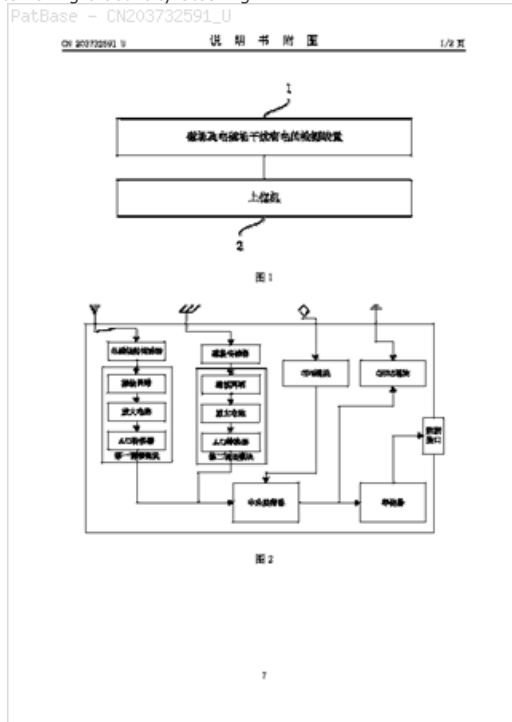
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR
CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID
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SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: DETECTION SYSTEM AND **DETECTION DEVICE** FOR MAGNETIC FIELD AND ELECTROMAGNETIC FIELD INTERFERING ELECTRICITY STEALING

Abstract: Source: CN203732591U [EN] The utility model provides a detection system and a **detection device** for magnetic field and electromagnetic field interfering electricity stealing. The device comprises an electromagnetic radiation sensor, a magnetic field sensor, a positioning module, a central processing unit and a **wireless** communication module, wherein the electromagnetic radiation sensor is configured to acquire an electricity consumption metering point and a current electric field intensity signal around the electricity consumption metering point; the magnetic field sensor is configured to acquire the magnetic induction intensity signal around the electricity consumption metering point and a current magnetic induction intensity signal around the electricity consumption metering point; the positioning module is configured to acquire the current detection position of the electricity stealing **detection device**; the central processing unit is configured to receive the electric field intensity signal, the magnetic induction intensity signal and the detection position and output the electric field intensity signal exceeding an electric field intensity threshold, and/or the magnetic induction intensity signal exceeding a magnetic induction intensity threshold and the detection position corresponding to the signals as detection data; and the **wireless** communication module is configured to receive the detection data sent by the central processing unit and send the detection data to an upper computer through a **wireless** communication network. The detection system and the **detection device** realize the detection of strong magnetic field interfering electricity stealing and strong electromagnetic field interfering electricity stealing.

Classifications:

International (IPC 8-9): G01R11/24 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN103630717 A	20140312	CN201310594310	20131121
■ CN103630717 B	20160302	CN201310594310	20131121
■ CN203732591 U	20140723	CN201320744123U	20131121

Priority:

CN201310594310 20131121 CN201320744123U 20131121

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA ; ELECTRIC POWER RES INST STATE GRID JIBEI ELECTRIC POWER CO LTD

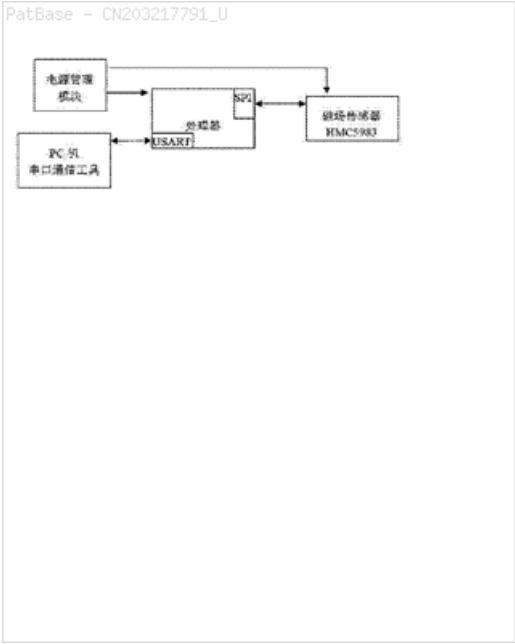
Assignee(s): ELECTRIC POWER RESEARCH INST STATE GRID JIBEI ELECTRIC POWER CO ; ELECTRIC POWER RESEARCH INST STATE GRID JIBEI ELECTRIC POWER CO LTD ; STATE GRID ELECTRIC POWER RESEARCH INST IN NORTHERN HEBEI ELECTRIC POWER CO ; STATE GRID OF CHINA CORP

Inventor(s): (std): CHEN HONGTAO ; FU JUN ; NIU YINING ; SUN ZHIJIE ; WANG LI ; XIE FENG ; YIN QINGDUO ; ZHANG LINGYU ; ZHANG YANLI

Title: MAGNETIC FIELD SENSOR-BASED VEHICLE PARKING STATE **DETECTION DEVICE**

Abstract: Source: CN203217791U [EN] The utility model discloses a magnetic field sensor-based vehicle parking state **detection device** comprising a power source, a detector and a data processing and transmission module, wherein a power management module of the magnetic field sensor-based vehicle parking state **detection device** is respectively connected with a processor and a magnetic field sensor, the processor is respectively in two-way data connection with the magnetic field sensor and a PC machine serial port communication tool, and the PC serial port communication tool is in two-way **wireless** connection with an upper position machine. The magnetic field sensor is characterized that under the affection of external magnetic field **interference** sources, and data of a magnetic field in each direction greatly change; and the characteristics of the magnetic field sensor are utilized by the **detection device**, the **detection device** determines whether a vehicle is parked in an area according to the amplitude of change, and the **detection device** cannot be easily affected by the **interference** of temperature change or windy or snowy weather. The **detection device** is advantaged by reliable performance, convenience of installation, economical price, and application to an intelligent management system of a large parking lot.

Classifications:
International (IPC 8-9): G08G1/14 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN203217791 U	20130925	CN201320098388U	20130305

Priority:
CN201320098388U 20130305

Probable Assignee: GUILIN FEIYU ELECTRONIC TECHNOLOGY CO LTD
Assignee(s): (std): GUILIN FEIYU ELECTRONIC TECHNOLOGY CO LTD
Assignee(s): GUILIN FEIYU ELECTRONIC TECHNOLOGY CO
Inventor(s): (std): WEI CHENGYUN

Title: **WIRELESS** COMMUNICATION **INTERFERENCE DETECTION DEVICE** AND METHOD USED FOR ELECTRICITY INFORMATION COLLECTION SYSTEM

Abstract: Source: CN104270205A [EN] The invention relates to digital **interference** detection technologies, in particular to a **wireless** communication **interference detection device** and method used for an electricity information collection system. The device comprises a signal combination module, an IFFT module, a spatial autocorrelation matrix calculation module and an **interference** existence judgment module. The signal combination module is used for combining frequency domain **interference** noise vectors of M receiving antennae into a matrix U; the IFFT module is used for performing IFFT on the frequency domain **interference** noise matrix U to a time domain to obtain a time domain **interference** noise matrix V; the spatial autocorrelation matrix calculation module is used for calculating the spatial autocorrelation matrix of the matrix V; the **interference** existence judgment module is used for judging whether **interference** exists or not. The existence of the **interference** is judged by fully utilizing the spatial correlation of signals, and therefore the influence on detection accuracy when **interference** noise is low is effectively avoided at a low operation cost within a short consumed time.

Classifications:
International (IPC 8-9): H04B17/00 H04B17/345 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN104270205 A	20150107	CN201410498152	20140925
■ CN104270205 B	20171201	CN201410498152	20140925

Priority:

CN201410498152 20140925

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): ELECTRIC POWER RES INST OF SICHUAN ELECTRIC POWER CORP ; ELECTRIC POWER RES INST SICHUAN ELECTRIC POWER CORP ; STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA

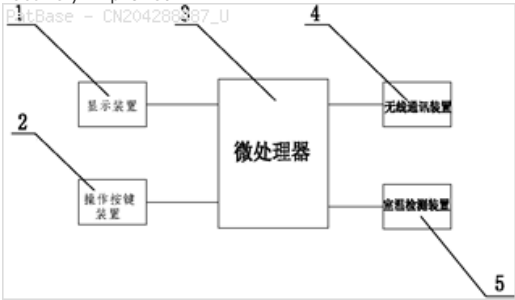
Assignee(s): STATE GRID OF CHINA CORP ; STATE GRID ELECTRIC POWER RESEARCH INST SICHUAN ELECTRIC POWER CO ; ELECTRIC POWER RESEARCH INST OF SICHUAN ELECTRIC POWER CORP

Inventor(s): (std): LI FANGSHUO ; LI QILIN ; LONG HAILIAN ; LU HUA ; TAN JIAN ; WU WEIDE ; XIANG JINGRUI ; ZHAO HONGZHI

Title: **WIRELESS** ANTI-**INTERFERENCE** VALVE CONTROL DEVICE

Abstract: Source: CN204288487U [EN] The utility model discloses a **wireless** anti-**interference** valve control device and belongs to the technical field of heat metering. The defects that the service life of the battery is short, the communication is easily influenced by the environment and the communication is not reliable and the like exist in the conventional **wireless** valve control device by adopting a battery power supply mode. The **wireless** anti-**interference** valve control device disclosed by the utility model comprises a microprocessor, a display device, an operation key device, a room-temperature **detection device** and a **wireless** communication device, wherein the microprocessor is respectively connected with the display device, the operation key device, the room-temperature **detection device** and the **wireless** communication device; the microprocessor adopts EFM32 series chips; 8ss20 sections of LCD drivers are integrated with the EFM32 series chips; the **wireless** communication device adopts a CC1100ESub-GHz high-performance radio frequency transceiver; and the CC1100ESub-GHz high-performance radio frequency transceiver comprises a signal random retransmission module and a power self-locking module. According to the **wireless** control device disclosed by the utility model, the peripheral devices are reduced, the power consumption is reduced, and random number retransmission with the time delay of 1-30 seconds is adopted, so that the problem that repetitive **interference** is caused by simultaneous transmission of multiple devices is greatly solved, and the reliability of the **wireless** communication is effectively improved.

Classifications:
International (IPC 8-9): G08C17/02 H04L1/18 (Advanced/Invention)
CPC: Y02B60/50



Family:

Publication number	Publication date	Application number	Application date
 CN204288487 U	20150422	CN201420743203U	20141201

Priority:

CN201420743203U 20141201

Probable Assignee: ZHEJIANG HOLLEY ENERGY TECHNOLOGY CO LTD

Assignee(s): (std): ZHEJIANG HOLLEY ENERGY TECHNOLOGY CO LTD

Assignee(s): ZHEJIANG HUALI ENERGY TECHNOLOGY CO LTD ; ZHEJIANG HOLLEY ENERGY TECHNOLOGY CO

Inventor(s): (std): YIN WENJUN

Title: HOSPITAL BED OBSTACLE **DETECTION DEVICE** AND METHOD

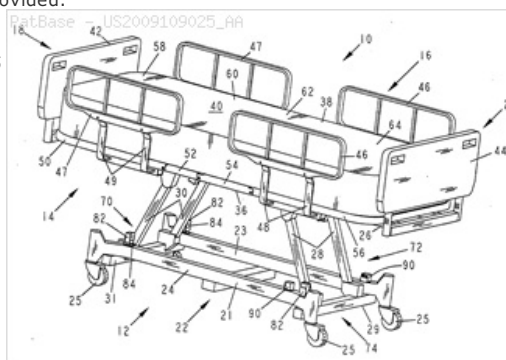
Abstract: Source: US2009109025A [EN] A hospital bed obstacle **detection device** and related method for detecting an obstacle between first and second components of a hospital bed is provided.

Classifications:

International (IPC 8-9): A47C19/04 A61G12/00 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057 A61G7/12 B60B33/02 G08B21/00 (Advanced/Invention); A47B71/00 A47C27/08 (Advanced/Non-invention)

CPC: A47C19/045 A61B5/1115 A61G7/00 A61G7/005 A61G7/008 A61G7/015 A61G7/018 A61G7/0507 A61G7/057 A61G7/05715 A61G2203/34 A61G2203/72 A61G2203/726 A61G2203/74 B60B33/0005 B60B33/0039 B60B33/0049 B60B33/0057 B60B33/0068 B60B33/0073 B60B33/021 H01H3/142 H01H3/16 A61G7/012 A61G7/05 A61G7/05769 A61G7/0513 A61G7/0527 Y10T307/773

European: A47C19/04B A61B5/11N4 A61G7/00 A61G7/005 A61G7/008 A61G7/012 A61G7/015 A61G7/018 A61G7/05 A61G7/057C A61G7/057K A61G7/05S B60B33/00B2 B60B33/00E2 B60B33/00F2 B60B33/00F8 B60B33/00G4A B60B33/00G4C B60B33/02B K61G203/72 K61G203/74 K61G7/05S4A K61G7/05W1
US: 340/540 340/540P 5/424 5/600 5/611 5/611S



Family:

Publication number	Publication date	Application number	Application date
US2009109025 AA	20090430	US20080347124	20081231
US8258944 BB	20120904	US20080347124	20081231

Priority:

US20020373819P 20020419 US20020408698P 20020906 US20050510996 20050720
US20080347124 20081231 US20030510996 20030421 WO2003US12166 20030421

Probable Assignee: HILL ROM SERVICES INC

Assignee(s): (std): FIGEL GREG ; FIGEL GREGORY J ; HILL ROM SERVICES INC ; HUSTER KEITH ADAM ; RILEY CARL WILLIAM ; VANDERPOHL III IRVIN J

Assignee(s): JPMORGAN CHASE BANK NA COLLATERAL AGENT AS

Inventor(s): (std): FIGEL GREG ; FIGEL GREGORY J ; HUSTER KEITH ADAM ; RILEY CARL WILLIAM ; VANDERPOHL III IRVIN J

Agent(s): BARNES AND THORNBURG LLP

Title: METHOD, DEVICE AND SYSTEM FOR RADIO FREQUENCY DETECTION

Abstract: A method, device and system for radio frequency detection are disclosed in the present invention, and the method for radio frequency detection of the present invention meets the requirement of a measurement window by using capability of a scheduler unit for dynamically managing time-frequency resources on a transmitting channel controlled by the scheduler unit, and implements opening a zero-power transmitting window flexibly. The **detection device** is characterized by existing a transmission channel for transmitting measurement window information and / or zero-power transmitting window information between the scheduler unit and the measurement unit, and the radio frequency detection unit according to the method of the present invention for opening the zero-power window not only realizes the signal power measurement of the existing **wireless** channel and / or information demodulation on the adjacent channel of the local transmitting channel, but also realizes the online measurement of the out-of-band leak power and/or transmitting power of the local transmitter. The radio detection system of the present invention by using the method of the present invention can self adaptively determine the width of guard frequency band between its work channel and the adjacent channel of other stations transmission.

Classifications:**International (IPC 8-9):** H04B17/00 H04B17/318 H04B17/327

H04B17/354 H04B17/382 H04L5/00 H04W24/08 H04W24/10

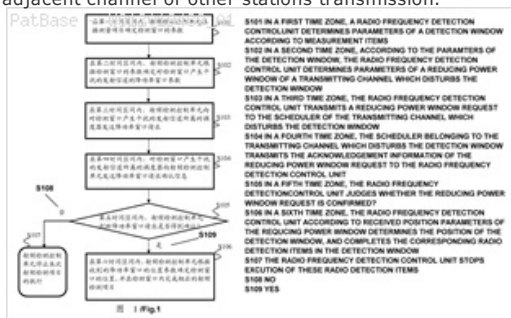
H04W28/18 H04W52/24 H04W52/36 H04W52/38 H04W72/08

H04W72/12 H04W92/20 (Advanced/Invention)

CPC: H04W28/18 H04B17/382 H04B17/318 H04B17/327 H04B17/354

H04B17/336 H04B17/345 H04L5/0073 H04W52/241 H04W52/243

H04W52/367 H04W52/38 H04W72/12 H04L5/0055

European: H04B17/00B1C H04B17/00B1R H04B17/00B8**Family:**

Publication number	Publication date	Application number	Application date
CN102377495 A	20120314	CN201010255852	20100813
CN102377495 B	20150812	CN201010255852	20100813
EP2592769 A1	20130515	EP20110816048	20110623
EP2592769 A4	20151021	EP20110816048	20110623
IN01141CN2013 A	20150306	IN2013CN01141	20130212
JP2013533710 T2	20130822	JP20130523476T	20110623
JP5650326 B2	20150107	JP20130523476T	20110623
WO12019489 A1	20120216	WO2011CN076218	20110623

Priority:

CN201010255852 20100813 WO2011CN076218 20110623

Probable Assignee: ZTE CORP

Assignee(s): (std): DIAO XINXI ; LAI ZHENGRONG ; MA ZHIFENG ; YANG GUANG ; YUE TIANHENG ; ZHANG LI ; ZHU XIAODONG ; ZHANG SENLIN ; ZTE CORP

Inventor(s): (std): GUANG YANG ; LI ZHANG ; SENLIN ZHANG ; TIANHENG YUE ; XIAODONG ZHU ; XINXI DIAO ; ZHENGRONG LAI ; ZHIFENG MA ; ZHU XIAODONG ; ZHANG SENLIN ; ZHANG LI ; YUE TIANHENG ; YANG GUANG ; MA ZHIFENG ; LAI ZHENGRONG ; DIAO XINXI

Agent(s): ILGART JEAN CHRISTOPHE; CHINA PAT INTELLECTUAL PROPERTY OFFICE

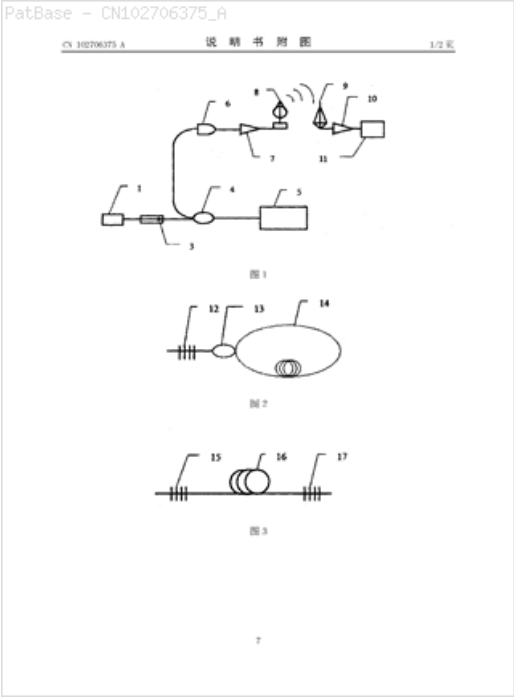
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY 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

Title: OPTICAL FIBER-**WIRELESS** MIXED TYPE SENSING MONITORING SYSTEM

Abstract: Source: CN102706375A [EN] The invention relates to an optical fiber-**wireless** mixed type sensing monitoring system relating to the technical field of optical fiber sensing networks and **wireless** sensing networks and aiming at solving the problems of large size, high cost, high power consumption, difficult realization of small-size and high-integration **wireless** optical fiber sensing of an optical **interference** demodulation or wavelength **detection device** of the traditional **wireless** optical fiber sensing system. The optical fiber-**wireless** mixed type sensing monitoring system comprises a pump light source, an isolator, a wavelength division multiplexer, a multi-longitudinal mode optical fiber laser sensor, a photoelectric detector, a No.1 amplifier, a No.2 amplifier, a **wireless** transmitting device, a **wireless** receiving device and a frequency meter, wherein the pump light source is connected to the input end of the isolator; the isolator is connected with the wavelength division multiplexer; and the wavelength division multiplexer is connected with the multi-longitudinal mode optical fiber laser sensor. In the invention, an optical demodulation part in the technology does not needs the huge optical **interference** demodulation or wavelength **detection device**, and the demodulation of an optical fiber sensor can be realized by utilizing the photoelectric detector and the frequency meter, and therefore, an all-electronic demodulation-**wireless** transmission process is realized; and in addition, the invention is suitable for the technical field of the optical fiber sensing networks and the **wireless** sensing networks.

Classifications:

International (IPC 8-9): G01D5/353 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN102706375 A	20121003	CN201210214189	20120627

Priority:

CN201210214189 20120627

Probable Assignee: UNIV HEILONGJIANG

Assignee(s): (std): HEILONGJIANG UNIV ; UNIV HEILONGJIANG

Assignee(s): HEILONGJIANG UNIVERSITY

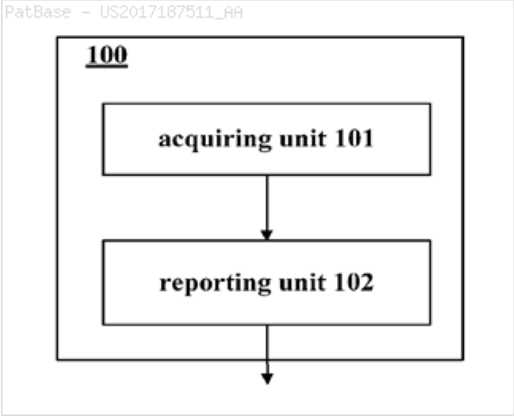
Inventor(s): (std): SHENGCHUN LIU ; SHUCHUN DING ; XIUJUAN YU ; KUN LI ; YUNLONG ZHANG

Inventor(s): ZHANG YUNLONG ; LI KUN ; LIU SHENGCHUN ; YU XIUJUAN ; DING SHUCHUN

Title: ELECTRONIC DEVICE AND METHOD FOR SYNCHRONOUS DETECTION BETWEEN TIME DIVISION DUPLEX **WIRELESS** COMMUNICATION CELLS

Abstract: Source: US2017187511A [EN] An electronic device and method for synchronous detection between time division duplex **wireless** communication cells. The electronic device can access a communication channel of a time division duplex **wireless** communication system, and includes: an acquisition unit configured to acquire an actual time slot proportion of a target cell and a cell ID and an operator ID of the target cell at a specific moment; and a reporting unit configured to transmit the actual time slot proportion of the target cell and the cell ID and the operator ID thereof to a designee. By this technology, networks of different operators can be detected effectively, and by a comparison with a reference time or a coordinated uplink/downlink time slot proportion, a meaningful comparison result is obtained. Moreover, the measurement or comparison result is provided for a third party, such as a network manager, to confirm, so that the result is more credible.

Classifications:
International (IPC 8-9): H04L5/14 H04W24/00 H04W56/00
H04W72/04 (Advanced/Invention)
CPC: H04W56/00 H04L5/14 H04W72/0446 H04W72/042
H04W56/0015 H04W24/00



Family:

Publication number	Publication date	Application number	Application date
■ CN105472633 A	20160406	CN201410234233	20140529
■ EP3151605 A1	20170405	EP20150799858	20150527
■ EP3151605 A4	20180131	EP20150799858	20150527
■ US2017187511 AA	20170629	US20150312707	20150527
■ WO15180640 A1	20151203	WO2015CN079895	20150527

Priority:

CN201410234233 20140529 WO2015CN079895 20150527

Probable Assignee: SONY CORP

Assignee(s): (std): BAI WEI ; SONY CORP

Inventor(s): (std): BAI WEI

Agent(s): D YOUNG AND CO LLP; UNITALEN ATTORNEYS AT LAW

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: Method of locating radio frequency leaks in a CATV system

Abstract: Source: US6833859B [EN] A method and apparatus are provided for determining a source of a leakage signal from a distribution cable of a cable television distribution system. The method includes the steps of sampling the leakage signal from the distribution cable of the cable television distribution system at each of a plurality of geographic locations within an environs of the cable, forming a leakage signal profile relating each sample with a respective location of the plurality of geographic locations; and determining a source location of the leakage signal based upon the formed profile.

Classifications:

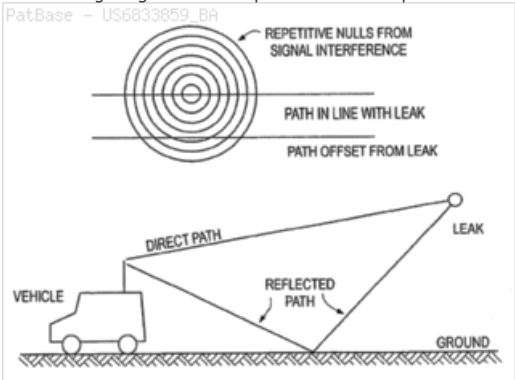
International (IPC 8-9): G01R29/08 G01S19/24 G01S19/36
G01S5/02 H04N17/00 (Advanced/Invention);
G01R29/08 G01S19/00 G01S5/02 H04N17/00 (Core/Invention)

International (IPC 1-7): H04W17/00 H04W17/02

CPC: G01R29/0814 G01S5/0252 H04N17/00

European: G01R29/08A3 G01S5/02D H04N17/00

US: 348/192 348/E17.001 455/67.1 725/107



Family:

Publication number	Publication date	Application number	Application date
US6833859 BA	20041221	US20000491592	20000125

Priority:

US19990118107P 19990201 US20000491592 20000125

Probable Assignee:

COMSONICS INC

Assignee(s): (std):

COMSONICS INC

Assignee(s):

PNC BANK NATIONAL ASSOCIATION

Inventor(s): (std):

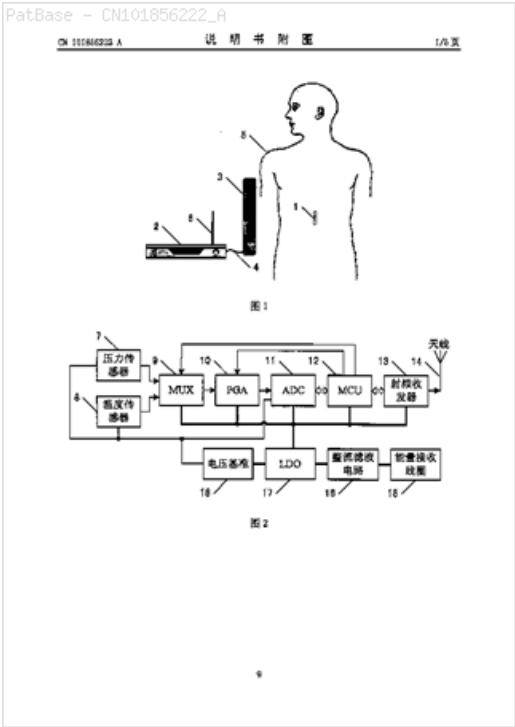
ESTEP RANDY ; SCHNEIDER RAYMOND J

Title: IMPLANTED WIRELESS ELECTRONIC DETECTION DEVICE

Abstract: Source: CN101856222A [EN] The invention discloses an implanted wireless electronic detection device, which comprises an implant and a data reader, wherein the data reader is provided with a first radio frequency transceiver and a first antenna, the implant is provided with a second radio frequency transceiver and a second antenna, and the implant is connected with the data reader through a digital wireless interface; and the detection device comprises an energy emission coil which is connected with the data reader through a cable, and the implant comprises an energy receiving coil which is connected with the implant through an energy receiving circuit and provides power for the implant. The implanted wireless electronic detection device provided by the invention, due to the separation of wireless data communication and wireless energy transmission, has improved anti-interference performance and is favorable for the coexistence and operation of a plurality of implants and microminiaturization.

Classifications:

International (IPC 8-9): A61B5/021 A61B5/03 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN101856222 A	20101013	CN201010181435	20100521

Priority:

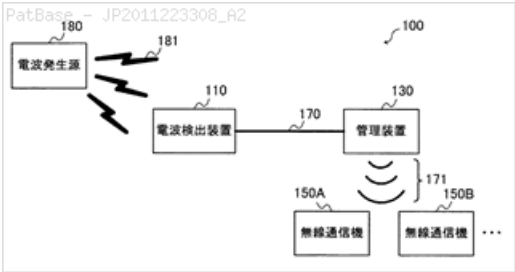
CN201010181435 20100521

Probable Assignee: SHANGHAI RUILING ELECTRONIC TECHNOLOGY CO LTD
Assignee(s): (std) SHANGHAI RUILING ELECTRONIC TECHNOLOGY CO LTD
Assignee(s): SHANGHAI RUILING ELECTRONIC TECHNOLOGY CO
Inventor(s): (std) GUORONG LI ; WENXING WANG
Inventor(s): LI GUORONG ; WANG WENXING

Title: RADIO WAVE **DETECTION DEVICE**, MANAGEMENT DEVICE, AND **INTERFERENCE** AVOIDANCE NETWORK SYSTEM

Abstract: Source: JP2011223308A [EN] PROBLEM TO BE SOLVED: To prevent a communication in a communication system from being interfered by a radio wave from a radio wave generation source not belonging to the communication system.SOLUTION: A radio wave **detection device** 110 and a management device 130 are mounted in movement means. The radio wave **detection device** 110 carries out a carrier sense, and detects an **interference** candidate radio wave 181 output from a radio wave generation source 180 not belonging to a **wireless** network 171. The radio wave **detection device** 110 transmits information which indicates a frequency band in which the **interference** candidate radio wave 181 has been detected to the management device 130 through a communication network 170. The management device 130 changes a frequency band of a radio wave to be used for a **wireless** communication in a **wireless** network to a frequency band not overlapping with the **interference** candidate radio wave 181.

Classifications:
International (IPC 8-9): H04W4/04 H04W72/04
H04W72/08 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
JP2011223308 A2	20111104	JP20100090396	20100409
JP5534911 B2	20140702	JP20100090396	20100409

Priority:

JP20100090396 20100409

Probable Assignee: MITSUBISHI ELECTRIC CORP
Assignee(s): (std): MITSUBISHI ELECTRIC CORP
Assignee(s): MITSUBISHI DENKI KABUSHIKI KAISHA
Inventor(s): (std): SHIDA TETSUO

Title: BASE STATION APPARATUS AND COMMUNICATION TERMINAL

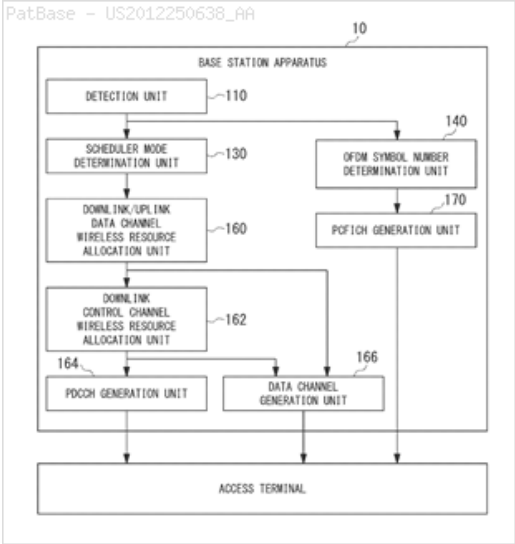
Abstract: Source: US2012250638A [EN] Provided is a base station apparatus that employs a dynamic scheduler mode which performs **wireless** resource allocation for each subframe and applies a result of the allocation to the corresponding subframe, or a continuous transmission scheduler mode which performs **wireless** resource allocation for each subframe appearing periodically based on a period P and applies a result of the allocation for the relevant subframe to P continuous subframes from a subframe n to a subframe n+P-1. The base station apparatus includes a terminal communication device that communicates continuous transmission application ON/OFF information, which indicates whether or not the continuous transmission scheduler mode is employed, and continuous transmission period information, which indicates a period of continuous transmission scheduling according to the continuous transmission scheduler mode, to a terminal. The terminal communication device may store the continuous transmission application ON/OFF information and the continuous transmission period information in a PDCCH region.

Classifications:

International (IPC 8-9): H04W16/32 H04W28/04 H04W4/00 H04W72/00 H04W72/04 H04W72/12 H04W88/02 (Advanced/Invention)

CPC: H04W72/082 H04W28/04 H04W72/1231

US: 370/329



Family:

Publication number	Publication date	Application number	Application date
DE102012006364 A1	20121004	DE201210006364	20120329
DE102012006364 B4	20161229	DE201210006364	20120329
JP2012213103 A2	20121101	JP20110078383	20110331
JP5551103 B2	20140716	JP20110078383	20110331
US2012250638 AA	20121004	US20120408176	20120229
US8830938 BB	20140909	US20120408176	20120229

Priority:

DE201210006364 20120329 JP20110078383 20110331

Probable Assignee: KDDI CORP

Assignee(s): (std): KDDI CORP ; KONISHI SATOSHI ; MIYAZAKI NORIAKI ; WANG XIAOQIU

Inventor(s): (std): KONISHI SATOSHI ; MIYAZAKI NORIAKI ; MIYAZAKI YOSHIKI ; WANG XIAOQIU

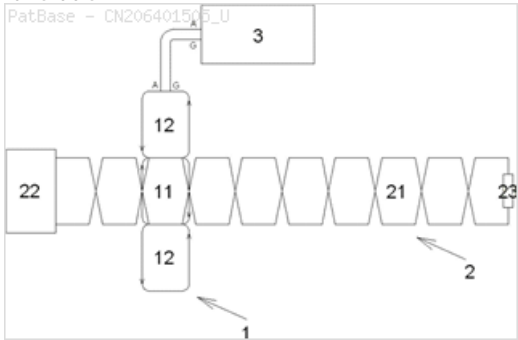
Agent(s): MORGAN LEWIS AND BOCKIUS LLP

Title: MODERATE -LOW SPEED MAGNETIC LEVITATION'S ANTI -INTERFERENCE RECEIVING ANTENNA OF BUTTERFLY

Abstract: Source: CN206401505U [EN] The utility model provides a relate to the anti -interference receiving antenna of the butterfly of responding to the wireless technology, indicates especially on the wireless car of response that is used for the track traffic that serial bit puts and the anti -interference receiving antenna of speed detection, the specially adapted has the moderate -low speed magnetic levitation's anti -interference receiving antenna of butterfly that electric magnetic field strength disturbed. The device includes address detection device and disturbance magnetic field production source etc. On the anti -interference receiving antenna of butterfly, the wireless coding launch cable of response, the car, the anti -interference receiving antenna of butterfly comprises the secondary winding coil of two the anticlockwise coils in the main winding coil and the left and right sides of a set of up time needle coiling, makes up to the anti -interference receiving antenna of a holistic butterfly. The main relevant technical problem such as anti -interference receiving antenna structural design that how to be directed against the moderate -low speed magnetic levitation train that solve. The utility model discloses a positive effect: having utilized and having responded to the desired signal's of wireless coding launch cable transmission the magnetic line of force and the different spatial distribution condition of the magnetic line of force in disturbance magnetic field production source, offset interfering signal, the specially adapted has the moderate -low speed magnetic levitation train that electric magnetic field strength disturbed, and it diamagnetics to have floats electromagnetic interference ability, advantages such as speed detection and safe and reliable.

Classifications:

International (IPC 8-9): H01Q1/32 H01Q1/36
H01Q1/52 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
CN206401505 U	20170811	CN201621450334U	20161228

Priority:

CN201621450334U 20161228

Probable Assignee: YUEYANG HI TECH IND DEVELOPMENT ZONE TIANYUAN ELECTRO TECH CO LTD

Assignee(s): (std): YUEYANG HI TECH IND DEVELOPMENT ZONE TIANYUAN ELECTRO TECH CO LTD

Assignee(s): YUEYANG HI TECH INDUSTRIAL DEVELOPMENT ZONE TIANYUAN ELECTRO TECH CO ; HIGH TECH INDUSTRIAL DEVELOPMENT ZONE YUEYANG TIANYUAN ELECTRONIC TECHNOLOGY CO LTD

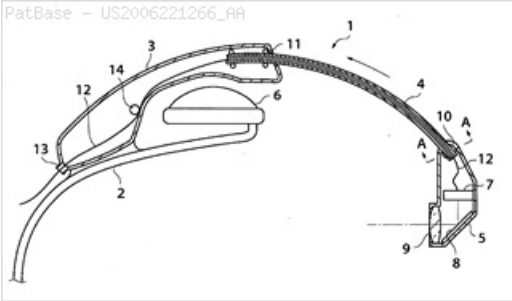
Inventor(s): (std): CAO JIANRONG ; CHEN HAIBO ; HU FENGYUAN ; HUANG BING ; ZHANG SIXIN

Title: INFORMATION DISPLAY DEVICE AND **WIRELESS** REMOTE CONTROLLER

Abstract: Source: US2006221266A [EN] The head-mounted display 1 has a rear arm 2, an accommodating part 3 that is attached to the rear arm 2, a display arm 4 that is held in the accommodating part 3 so that this display arm 4 can be accommodated, a display part 5 which is attached to the tip end of the display arm 4 so that this display part 5 can pivot, and headphones 6 which are disposed on both end parts of the rear arm 2, as main parts. A flat cable 12 which supplies a power source and signals to the image display device 7 is led into the accommodating part 3 via a wiring attachment part 13, and is fastened to the accommodating part 3 by the wiring attachment part 13. In the accommodating part 3, the intermediate part of the flat cable 12 is fastened by a wiring retainer 14. Then, this flat cable 12 enters the display arm 4 from the rear end part of the display arm 4, and is further conducted to the image display device 7 inside the display part 5 via a spherical-surface coupling 10. As a result, a head-mounted display can be obtained in which there is no **interference** with human activity by the wiring, and in which no feeling of bother is created.

Classifications:

International (IPC 8-9): G02B27/01 G02B27/02 G02B7/28 G02F1/13 G06F3/14 G09G3/20 G09G5/00 G09G5/10 H04N5/00 H04N5/64 H04N5/74 (Advanced/Invention); G02B27/01 G02B27/02 G02B7/28 G02F1/13 G06F3/14 G09G3/20 G09G5/00 G09G5/10 H04N5/00 H04N5/64 H04N5/74 (Core/Invention)
International (IPC 1-7): G02B27/02 G02B7/28 G02F1/13 G06F3/14 G09G3/20 G09G5/00 G09G5/10 H04N5/00 H04N5/64
CPC: G02B27/017 G09G2360/144 H04N5/7491
European: G02B27/01C H04N5/74P7
US: 211/59.1 345/8 345/8P 348/838 348/E5.145 359/632



Family:

Publication number	Publication date	Application number	Application date
CN101770073 A	20100707	CN201010113682	20041203
CN101770073 B	20130327	CN201010113682	20041203
CN1890964 A	20070103	CN200480036083	20041203
DE602004036334 D1	20120322	DE200460036334T	20041203
EP1691547 A1	20060816	EP20040801660	20041203
EP1691547 A4	20080116	EP20040801660	20041203
EP2148504 A2	20100127	EP20090014341	20041203
EP2148504 A3	20100804	EP20090014341	20041203
EP2148504 B1	20120125	EP20090014341	20041203
JP2005164978 A2	20050623	JP20030404054	20031203
JP2005181378 A2	20050707	JP20030417831	20031216
JP2005184433 A2	20050707	JP20030422051	20031219
JP2005208625 A2	20050804	JP20040373928	20041224
JP4378683 B2	20091209	JP20030422051	20031219
JP4461792 B2	20100512	JP20030417831	20031216
JP4747575 B2	20110817	JP20040373928	20041224
US2006221266 AA	20061005	US20060442890	20060530
US2009322654 AA	20091231	US20090556506	20090909
US2013265212 AA	20131010	US20130870492	20130425
WO05055596 A1	20050616	WO2004JP18440	20041203

Priority:

EP20040801660	20041203	EP20090014341	20041203	JP20030432124	20031226
JP20030417831	20031216	JP20030422051	20031219	JP20030404054	20031203
WO2004JP18440	20041203	US20060442890	20060530	US20090556506	20090909
JP20040373928	20041224	US20130870492	20130425		

Probable Assignee: NIKON CORP

Assignee(s): (std): KATO SHIGERU ; MIYAKE NOBUYUKI ; NIPPON KOGAKU KK ; OOTSUKI MASAKI

Assignee(s): NIKON CORP

Inventor(s): (std): MASAKI KATO SHIGERU MIYAKE NOB ; MIAKE NOBUYUKI ; MASAKI OTSUKI ; MIYAKE NOBUYUKI ; OOTSUKI MASAKI ; OTSUKI MASAKI ; NOBUYUKI MIAKE ; MOTEGI KATO ; KATO MOTEGI ; KATO SHIGERU

Inventor(s): KATO SHIGERU MIYAKE NOBUYUKI OOTSUKI MASAKI

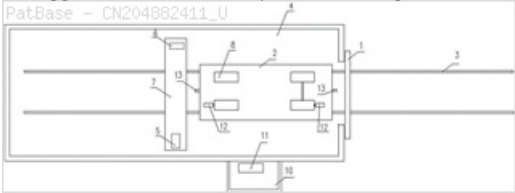
Agent(s): HOFFMANN EITL PATENT U RECHTSANWALTE PARTMBB; HOFFMANN EITL; FRISHAUF HOLTZ GOODMAN AND CHICK PC

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 KE KG KP KR KZ LC 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: USE BLUETOOTH COMMUNICATION TECHNOLOGY'S **WIRELESS** REMOTE CONTROL X RAY JAR BODY MOVEMENT **DETECTION DEVICE**

Abstract: Source: CN204882411U [EN] The utility model provides an use bluetooth communication technology's **wireless** remote control X ray jar body movement **detection device**, adopts bluetooth communication technology to realize that the control cabinet is connected as main website and bluetooth transmitter to the **wireless** remote control of a movement detection equipment fortune car, and a fortune car is connected with bluetooth receiver as the slave station, carries out **wireless** communication between bluetooth transmitter and the receiver, realizes the **wireless** remote control of control cabinet to a fortune car. Bluetooth communication technology compares with traditional frequency modulation radio communication technology, has fine anti-**interference** ability, and the equipment price is lower moreover, can save a large amount of cables, does not need tow chain or slide -wire row moreover, the fund of having saved promptly, and the messenger scene is arranged, is under construction, is maintained, is debugged and becomes very convenient again.

Classifications:
International (IPC 8-9): G01N23/04 G08C17/02
H04W4/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN105067645 A	20151118	CN201510496963	20150814
■ CN204882411 U	20151216	CN201520610172U	20150814

Priority:

CN201510496963 20150814 CN201520610172U 20150814

Probable Assignee: DONGDAN AOLONG RADIATIVE INSTR GROUP CO LTD

Assignee(s): (std): DONGDAN AOLONG RADIATIVE INSTR GROUP CO LTD

Assignee(s): DONGDAN AOLONG RADIATIVE INSTRUMENT GROUP CO ; DANDONG AUSTRIAN RAY MACHINES GROUP LTD

Inventor(s): (std): CHEN LIMING ; WEN SHUFAN

Title: METHOD AND APPARATUS FOR DETECTING SIGNAL

Abstract: Source: US2010144302A [EN] In a method for detecting a signal in a multi-input multi-output **wireless** communication system that receives signals transmitted through a plurality of transmission antennas by using a plurality of reception antennas, a detection order for detecting the transmission signals received through the reception antennas is determined on the basis of a cofactor determinant of components constituting a channel matrix representing characteristics of channels between the transmission antennas and the reception antennas. In addition, the transmission signal is detected from the signals received through the reception antennas in accordance with the determined detection order.

Classifications:

International (IPC 8-9): H04B1/06 H04B7/005 H04B7/02 H04B7/04 (Advanced/Invention);

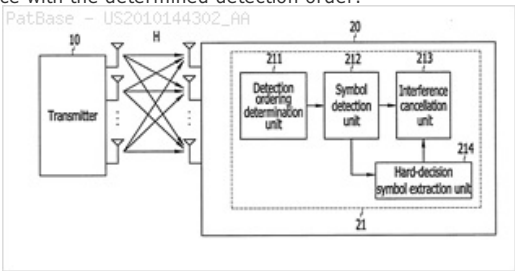
H04K3/00 (Advanced/Non-invention);

H04B1/06 H04B7/005 H04B7/04 (Core/Invention)

CPC: H04B7/086 H04J11/0043 H04L25/0204 H04L25/021 H04L25/0248 H04L25/067 H04L1/02 H04B7/0413

European: H04B7/08C4P H04J11/00F1B1A H04L25/02C1 H04L25/02C11A5 H04L25/02C2 H04L25/06C

US: 370/210 375/267 375/347 455/278.1 455/278.100P



Family:

Publication number	Publication date	Application number	Application date
KR101276800 B1	20130619	KR20090097916	20091014
KR20100065076 A	20100615	KR20090097916	20091014
US2010144302 AA	20100610	US20090631426	20091204
US8345788 BB	20130101	US20090631426	20091204

Priority:

KR20080123301 20081205 KR20090097916 20091014

Probable Assignee: ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST

Assignee(s): (std): KIM YOUNG IL ; KOREA ELECTRONICS TELECOMM ; ZHENG KAN ; WANG WENBO ; MOON YOUNG JIN ; ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INST KOREA

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

Inventor(s): (std): KIM YOUNG IL ; MOON YOUNG JIN ; WANG WENBO ; ZHENG KAN

Agent(s): STAAS AND HALSEY LLP

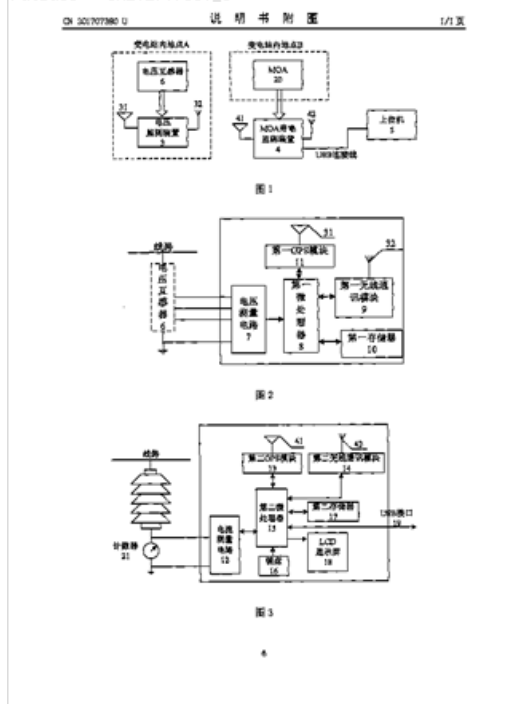
Title: Portable MOA live **detection device** based on GPS synchronization

Abstract: Source: CN201707380U [EN] The utility model relates to a portable MOA (metal oxide arrester) live **detection device** based on GPS synchronization. The device comprises a voltage monitoring device, the portable MOA live **detection device** and an upper computer, wherein the voltage monitoring device is mounted on the lateral side of a voltage transformer in a transformer substation. In the measurement, the portable MOA live **detection device** has communication access to the voltage monitoring device via a **wireless** communication network; the portable MOA live **detection device** is connected with the MOA; and the upper computer is connected with the portable MOA live **detection device** via a USB (universal serial bus). Compared with the prior art, the utility model has the advantages that the measurement process is simplified, the safety risk is reduced, and the harmonic **interference** is eliminated at the same time.

Classifications:

International (IPC 8-9): G01R19/00 G01R31/02 (Advanced/Invention)

PatBase - CN201707380_U



Family:

Publication number	Publication date	Application number	Application date
■ CN201707380 U	20110112	CN201020207989U	20100527

Priority:

CN201020207989U 20100527

Probable Assignee: SHANGHAI KENEW ELECTRICAL TECHNOLOGY CO LTD
Assignee(s): (std): SHANGHAI KENEW ELECTRICAL TECHNOLOGY CO LTD
Assignee(s): SHANGHAI KENEW ELECTRICAL TECHNOLOGY CO
Inventor(s): (std): XIANG GAO ; XIUCHEN JIANG
Inventor(s): GAO XIANG ; JIANG XIUCHEN

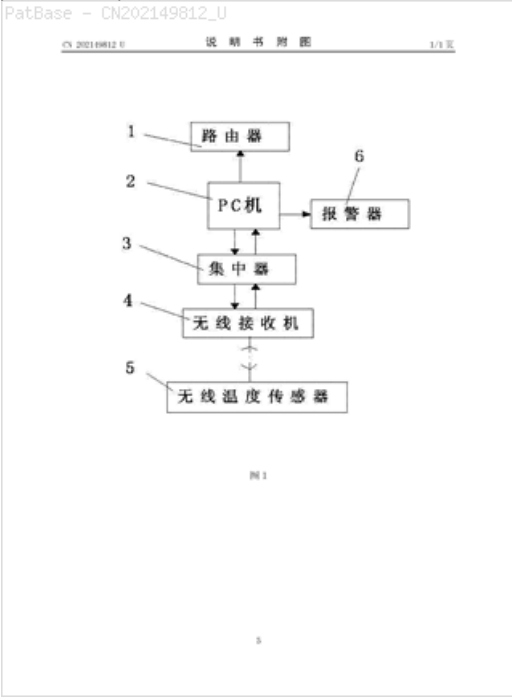
Title: **WIRELESS** ON-LINE **DETECTION DEVICE** FOR HIGH-VOLTAGE CONTACT

Abstract: Source: CN202149812U [EN] The utility model discloses a **wireless** on-line **detection device** for a high-voltage contact. The device comprises a PC, which is respectively connected with a concentrator, a router and an alarm via different ports, wherein the concentrator is connected with a **wireless** receiver, the **wireless** receiver communicates with **wireless** temperature sensors via a **wireless** manner, and the six **wireless** temperature sensors are respectively arranged close to the upper sides and lower sides of the A phase, B phase and C phase of the high-voltage contact. The **wireless** sensors integrate measurement and transmission functions, employ a **wireless** communication mode for carrying out measurement and transmission, have the advantages of small size, light weight, low transmission loss, electromagnetic field **interference** resistance, good insulating property, and the like, are suitable for temperature measurement of the contact part of a high-voltage switch device, can provide timely alarm prompt when temperature is abnormal, avoid fire hazard or large-area power failure accident, reduce manpower cost, and improve the safety of device operation at the same time.

Classifications:

International (IPC 8-9): G01K1/02 G08C17/02 (Advanced/Invention)

CPC: Y02B60/50



Family:

Publication number	Publication date	Application number	Application date
■ CN202149812 U	20120222	CN201120206951U	20110620

Priority:

CN201120206951U 20110620

Probable Assignee: ZHENJIANG CHENGXIANG ELECTRICAL APPLIANCE CO LTD

Assignee(s): (std) ZHENJIANG CHENGXIANG ELECTRICAL APPLIANCE CO LTD

Assignee(s): ZHENJIANG CHENGXIANG ELECTRICAL APPLIANCE CO

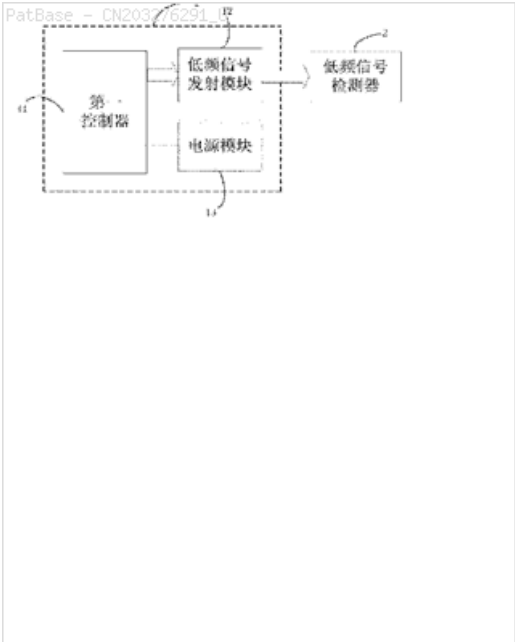
Inventor(s): (std) KANGYING ZHAO ; XIANG ZHU ; YIXIN QIU ; ZHIHAI YIN

Inventor(s): ZHU XIANG ; ZHAO KANGYING ; YIN ZHIHAI ; QIU YIXIN

Title: LOW-FREQUENCY DETECTION DEVICE OF HIGH ANTI-INTERFERENCE ABILITY

Abstract: Source: CN203276291U [EN] The utility model discloses a low-frequency detection device of high anti-interference ability, which comprises a low-frequency signal transmitter, a low-frequency signal detector and a reader. The low-frequency signal transmitter is used for periodically transmitting low-frequency signals. The low-frequency signal detector is used for collecting and processing low-frequency signals and then interchanging data with the reader through a 2.4GHz wireless link. The low-frequency signal detector comprises a low-frequency signal receiving module used for receiving low-frequency signals, an anti-interference processing module connected with the low-frequency signal receiving module and used for processing the low-frequency signals, a first radio frequency receiving/sending module used for realizing the data interchange between the low-frequency signal detector and the reader, and a second power supply module used for supplying power. The low-frequency detection device is high in anti-interference ability, thus can be applied in more occasions. Even running under a stronger interference environment, the low-frequency detection device is ensured to be still excellent in working performance.

Classifications:
International (IPC 8-9): G06K7/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN203276291 U	20131106	CN201320180289U	20130411

Priority:

CN201320180289U 20130411

Probable Assignee: ECIVED ELECTRONICS AND TECHNOLOGY CO LTD

Assignee(s): (std): ECIVED ELECTRONICS AND TECHNOLOGY CO LTD

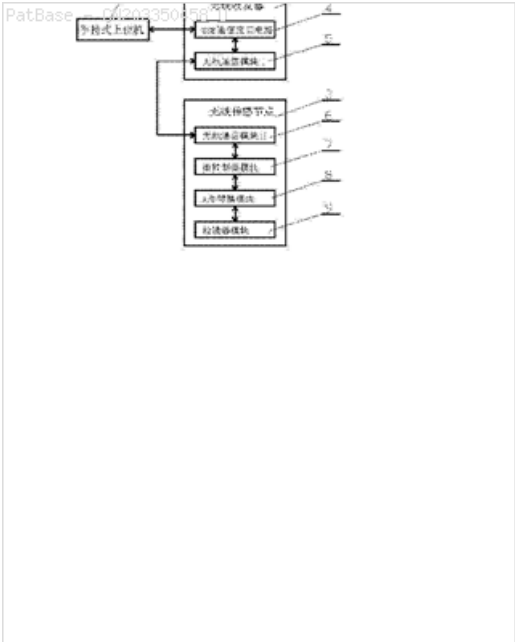
Assignee(s): ECIVED ELECTRONICS AND TECHNOLOGY CO

Inventor(s): (std): CHENG DONGJUN ; FU TAO ; LIN XIANDI ; REN YANG ; XU XUEMIN

Title: PORTABLE COAL SEAM CHANNEL WAVE ACQUISITION AND EARLY WARNING SYSTEM

Abstract: Source: CN203350458U [EN] The utility model relates to a portable coal seam channel wave acquisition and early warning system, comprising a hand-held upper computer, a **wireless** transceiver, and a plurality of **wireless** sensing nodes. The **wireless** transceiver comprises a **wireless** communication module I and a USB communication interface circuit. The **wireless** sensing node comprises a detector module, an A/D conversion module, a microcontroller module, and a **wireless** communication module II connected in sequence. The **wireless** transceiver realizes communication connection with the **wireless** sensing nodes by the **wireless** communication module I and the **wireless** communication module II. The system can overcome disadvantages of difficult underground circuit layout, bad environment, weak channel wave signals, strong electromagnetic **interference**, etc. The system is characterized by medium distance, high synchronization precision, good flexibility, fast transmission speed, good storage capability, light weight, small volume, low power consumption, long stand-by time, etc. The system can satisfy requirements of mine channel wave **detection device** on aspects of portability, high resolution, large dynamic, and anti-**interference**.

Classifications:
International (IPC 8-9): G01V1/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN203350458 U	20131218	CN201320394526U	20130704

Priority:

CN201320394526U 20130704

Probable Assignee: UNIV CHINA MINING

Assignee(s): (std): CHINA UNIV OF MINING AND TECHNOLOGY ; UNIV CHINA MINING

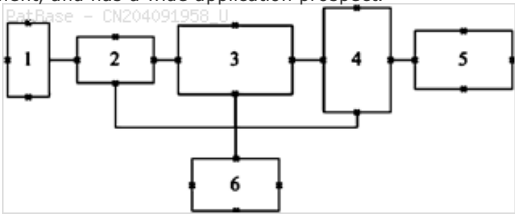
Inventor(s): (std): CAO WEI ; LI GUOXIN ; YANG ZHEN

Title: NOVEL PULSE DETECTION DEVICE

Abstract: Source: CN204091958U [EN] The utility model discloses a novel pulse detection device. The novel pulse detection device comprises a PVDF piezoelectric film pulse sensor module which is used for acquiring pulse signals, a signal conditioning module which is connected with a signal output end of the PVDF piezoelectric film pulse sensor module, a single-chip microcomputer which is connected with a signal output end of the signal conditioning module, a wireless bluetooth module which is connected with a signal output end of the single-chip microcomputer, and a power supply module which is used for supplying power to the modules, wherein the wireless bluetooth module wirelessly communicates with a user mobile phone. The novel pulse detection device adopts the bluetooth wireless data transmission mode and conducts real-time detection, analysis and processing on pulse signals through the bluetooth of the mobile phone. Complex connecting wires are omitted, the use by an operator is facilitated, the use space is saved and the device is convenient to carry; the stability and the anti-interference capability are higher, the power consumption is low, the cost performance is high and the application in various real-time monitoring and special places is wide. The novel pulse detection device can be widely applied to places such as home monitoring and remote medical treatment, and has a wide application prospect.

Classifications:

International (IPC 8-9): A61B5/02 G08C17/02
H04M1/725 (Advanced/Invention)
CPC: Y02D70/00 Y02D70/10



Family:

Publication number	Publication date	Application number	Application date
CN204091958 U	20150114	CN201420512243U	20140905

Priority:

CN201420512243U 20140905

Probable Assignee: UNIV ANHUI NORMAL

Assignee(s): (std): ANHUI NORMAL UNIV ; UNIV ANHUI NORMAL

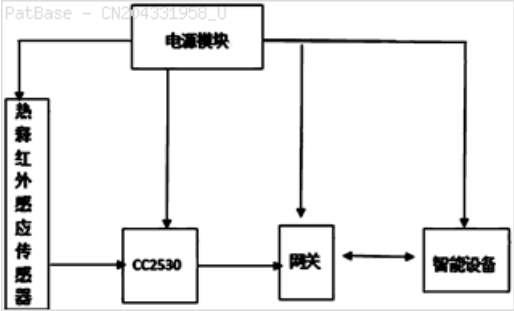
Inventor(s): (std): DING XUXING ; GAO LI ; LING MIN ; SONG FENGLOU ; ZHU CHENG

Title: PASSIVE INFRARED DETECTION DEVICE BASED ON ZIGBEE TECHNOLOGY

Abstract: Source: CN204331958U [EN] The utility model provides a passive infrared detection device based on a Zigbee technology. The passive infrared detection device comprises a Zigbee wireless gateway, a power supply module, a pyroelectric infrared induction sensor, a CC2530 and intelligent equipment, wherein the power supply module is connected with the Zigbee wireless gateway, the pyroelectric infrared induction sensor is used for detecting the current environment in real time, the CC2530 communicates with the Zigbee wireless gateway, the pyroelectric infrared induction sensor and the CC2530 are each connected with the power supply module, and the intelligent equipment is used for receiving digital environmental information transmitted by the Zigbee wireless gateway. The passive infrared detection device is based on the ultra-low power consumption Zigbee wireless 2.4G technology, is high in reliability, effectively eliminates the same frequency interference, adopts the real automatic temperature compensation technology and an ASIC, is capable of intelligent logic control, filters out all kinds of false alarms, is adjustable in detection range, has defense deploying and withdrawing functions, has a battery electricity quantity detection function, reports the current low electricity quantity value when the battery is undervoltage, detects the human body activity information in the current environment rapidly in real time, facilitates the user to use mobile equipment to control the dynamic conditions at home in real time, and avoids damages to property and personal safety caused by theft, robbery and the like.

Classifications:

International (IPC 8-9): G08B13/191 G08B25/10 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN204331958 U	20150513	CN201420844209U	20141226

Priority:

CN201420844209U 20141226

Probable Assignee: SICHUAN ZONTEN WEIYE TECHNOLOGY CO LTD

Assignee(s): (std): SICHUAN ZONTEN WEIYE TECHNOLOGY CO LTD

Assignee(s): FOCUS TECHNOLOGY CO LTD SICHUAN TENG ALBERT ; SICHUAN ZONTEN WEIYE TECHNOLOGY CO

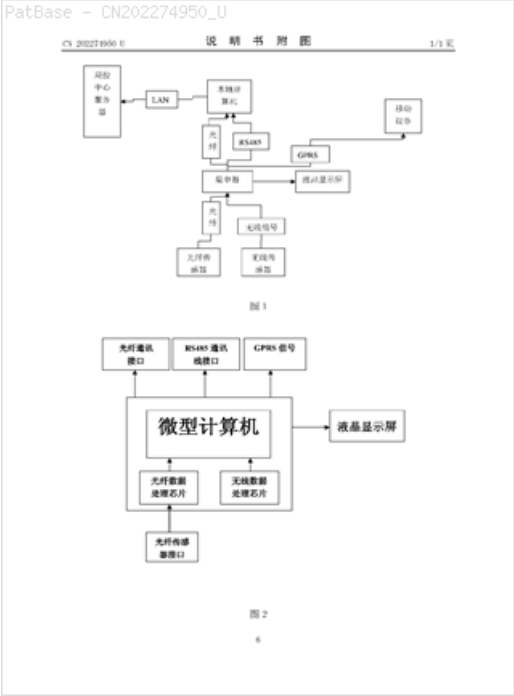
Inventor(s): (std): YU LIN ; ZHENG XIAOCHUN

Title: **WIRELESS** AND OPTICAL FIBER COMPREHENSIVE TEMPERATURE **DETECTION DEVICE** FOR SWITCH CABINET

Abstract: Source: CN202274950U [EN] The utility model discloses a **wireless** and optical fiber comprehensive temperature **detection device** for a switch cabinet, which comprises a temperature collecting device, a concentrator, a computer and a local control center server which are all mutually connected. The temperature collecting device simultaneously adopts an optical fiber grating temperature sensor and a **wireless** temperature sensor to be connected with a high and lower voltage switch cabinet to be detected. The **wireless** and optical fiber comprehensive temperature **detection device** for the switch cabinet utilizes a microcomputer to serve as a core, adopts technology including low power consumption design, **wireless** isolation and the like, and has the advantages of being thorough in isolation, convenient to install, strong in **interference** resistance, free of electromagnetic **interference**, particularly suitable for severe environments of high voltage, large currents, strong magnetic field noises, strong radiation and the like, high in sensitivity, accuracy and speed and the like.

Classifications:

International (IPC 8-9): G01K11/32 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN202274950 U	20120613	CN201120389732U	20111013

Priority:

CN201120389732U 20111013

Probable Assignee: XI AN ZHONGHENG TECHNOLOGY CO LTD

Assignee(s): (std): XI AN ZHONGHENG TECHNOLOGY CO LTD

Assignee(s): XI AN ZHONGHENG TECHNOLOGY CO

Inventor(s): (std): MENTIONED THE INVENTOR HAS WAIVED THE RIGHT TO BE

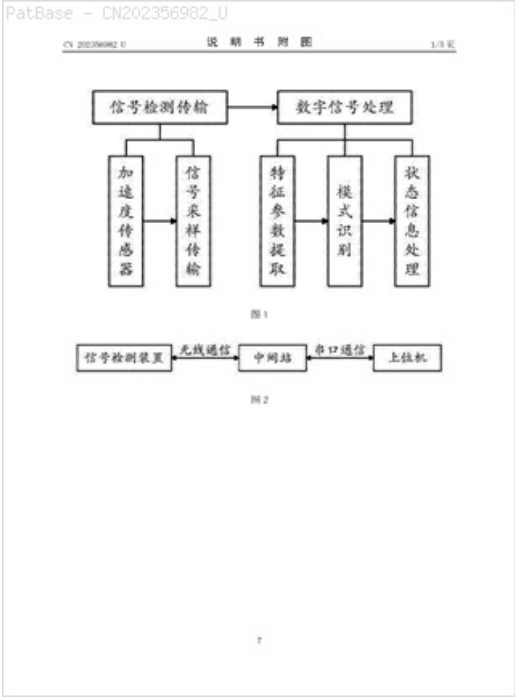
Inventor(s): THE INVENTOR HAS WAIVED THE RIGHT TO BE MENTIONED ; INVENTOR HAS WAIVED RIGHT TO BE MENTIONED

Title: Real time monitoring system for working condition of boring bar

Abstract: Source: CN202356982U [EN] The utility model relates to a real time monitoring system for the working condition of a boring bar, comprising a boring bar end, a signal **detection device** for monitoring the vibration signal for the boring bar, an upper computer for analyzing and processing the monitored vibration signal, and an intermediate station for realizing the communication between the signal **detection device** and the upper computer; the control command sent from the upper computer is transmitted to the intermediate station; the intermediate station sends the control command to the signal **detection device** through **wireless** communication mode and receives the vibration signal sent by the signal **detection device**; the signal **detection device** sends the vibration data to the intermediate station through **wireless** communication mode; and the vibration signal is sent to the upper computer through a serial port. The real time monitoring system for the working condition of a boring bar has the advantages of being convenient for mounting and having fast response speed and high anti-**interference** capability.

Classifications:

International (IPC 8-9): B23Q17/12 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN202356982 U	20120801	CN201120417133U	20111028

Priority:

CN201120417133U 20111028

Probable Assignee: UNIV ZHEJIANG

Assignee(s): (std): UNIV ZHEJIANG ; ZHEJIANG UNIV

Assignee(s): ZHEJIANG UNIVERSITY

Inventor(s): (std): HAI YIN ; HAIYUN SHEN ; JIANGXIN YANG ; JIAYAN GUAN ; JIEDONG LI ; LEI MAO ; HENG ZHANG ; MINGZHE WEI ; PENG XU ; SHENGLI JIANG ; XIAOLONG CHEN ; YANLONG CAO ; YUANFENG HE

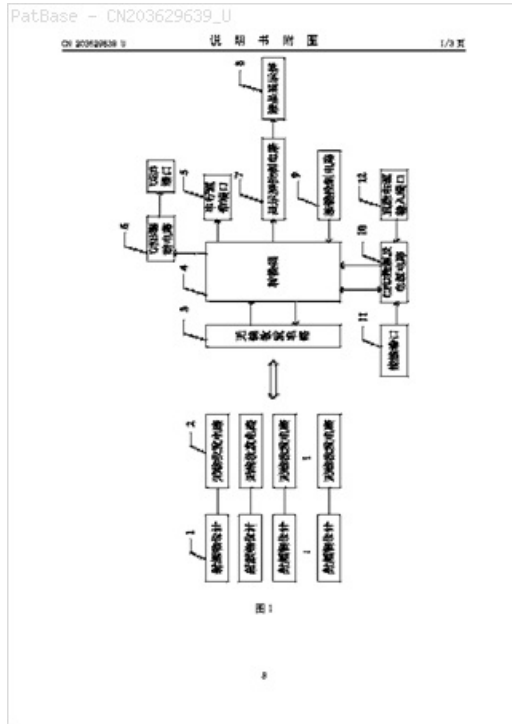
Inventor(s): ZHANG HENG ; YIN HAI ; XU PENG ; YANG JIANGXIN ; WEI MINGZHE ; SHEN HAIYUN ; JIANG SHENGLI ; LI JIEDONG ; MAO LEI ; HE YUANFENG ; CAO YANLONG ; CHEN XIAOLONG ; GUAN JIAYAN

Title: PORTABLE MATERIAL LEVEL MONITORING DEVICE BASED ON **WIRELESS** COMMUNICATION

Abstract: Source: CN203629639U [EN] The utility model discloses a portable material level monitoring device based on **wireless** communication, relates to the technical field of material level detection, and aims to solve the problems that an existing material level **detection device** cannot realize **wireless** communication transmission, field wiring difficulty is high and **interference** resistance is poor. The portable material level monitoring device based on **wireless** communication is characterized in that a converter is connected with an upper computer through a signal output port and connected with a display screen control board, a key control board and a CPU (central processing unit) control and power board, the CPU control and power board is connected with a connection terminal and an input port of a direct-current power supply, N radio frequency material level meters are connected with N **wireless** transceiver circuits, the **wireless** transceiver circuits are connected with the converter and **wirelessly** connected with a **wireless** transceiver circuit board, and **wireless** signals are exchanged among the N **wireless** transceiver circuits and the **wireless** transceiver circuit board. The portable material level monitoring device is applicable to material level measurement of dust hoppers of dust collectors and desulfurization devices of thermal power plants.

Classifications:

International (IPC 8-9): G01F23/284 G08C17/02 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN203629639 U	20140604	CN201420013302U	20140109

Priority:

CN201420013302U 20140109

Probable Assignee: HEILONGJIANG ZHONGBEI TECHNOLOGY CO LTD

Assignee(s): (std): HEILONGJIANG ZHONGBEI TECHNOLOGY CO LTD

Assignee(s): TONY TECHNOLOGY CO LTD IN HEILONGJIANG PROVINCE ; HEILONGJIANG ZHONGBEI TECHNOLOGY CO

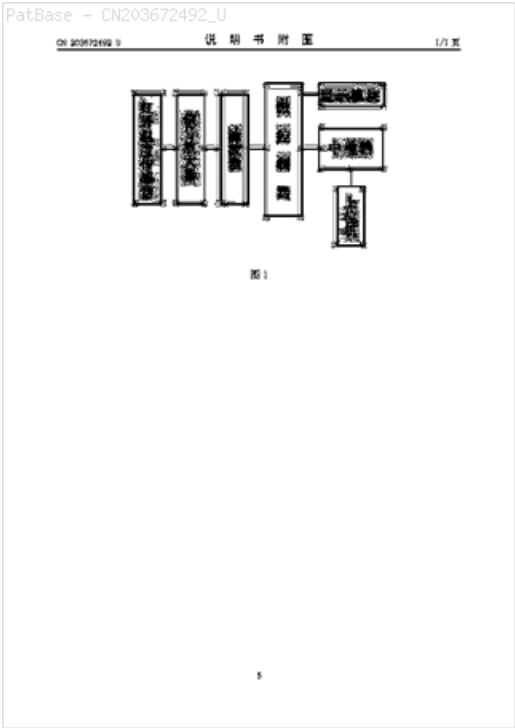
Inventor(s): (std): GAO YAJUAN ; LI BEICHENG ; QIN GUOHUI ; WANG YANG ; ZHAO XIAOWEN

Title: ON-LINE INFRARED FLAW DETECTION DEVICE

Abstract: Source: CN203672492U [EN] The utility model discloses an on-line infrared flaw detection device comprising a data acquisition module, a microcontroller, a repeater, and a host computer. The data acquisition module comprises an infrared temperature sensor, a filter, and a signal amplifier connected with the infrared temperature sensor and the filter. The data acquisition module is connected with the input end of the microcontroller by the filter, and the output end of the microcontroller is connected with the repeater by an RS 232 interface. The repeater is connected with the host computer by a ZigBee wireless network in a wireless manner. The on-line infrared flaw detection device is advantageous in that the anti-interference capability is strong, and the reliability is high; by adopting the modularization design, the adding and the deleting of various functions can be conveniently realized, and the application range can be widened; the ZigBee wireless network can be used to transmit the data, and the flaw detection device is used to solve the problem that the electronic measurement devices cannot be adapted to high voltage, high temperature, strong magnetic field, and strong electromagnetic interference environments.

Classifications:

International (IPC 8-9): G01J5/00 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
■ CN203672492 U	20140625	CN201320728383U	20131119

Priority:

CN201320728383U 20131119

Probable Assignee: STATE GRID CORP CHINA

Assignee(s): (std): LUONING POWER SUPPLY CO ; STATE GRID CORP CHINA ; STATE GRID CORP OF CHINA

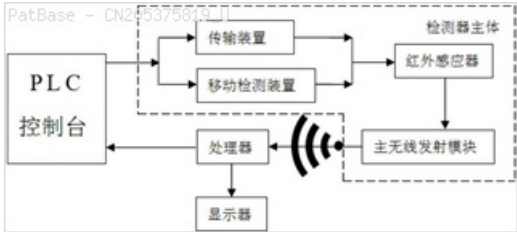
Assignee(s): STATE GRID OF CHINA CORP ; LOENING POWER CO

Inventor(s): (std): MENG YUGANG ; WEI WANSHOU ; WEI XIANPING ; ZHANG HUIWEN

Title: INFRARED **WIRELESS** MEAT MOISTURE DETECTOR

Abstract: Source: CN205375819U [EN] The utility model discloses an infrared **wireless** meat moisture detector, including detector main part, PLC control cabinet, treater and display, the detector main part includes transmission device, movable **detection device**, infrared inductor and **wireless** signal transmitter module, the PLC control cabinet links to each other with the treater, and the treater directly links to each other with the display, and the treater has **wireless** signal receiving module, transmission device and movable **detection device** in the detector main part directly link to each other with the PLC control cabinet, and infrared inductor and **wireless** signal transmitter module directly link to each other, **wireless** signal transmitter module and **wireless** signal receiving module pass through **wireless** connectivity. The beneficial effects of the utility model are that: detect low cost, check -out time is short, and radio signal transmission distance is far away, and **interference** -free, the result shows in the display.

Classifications:
International (IPC 8-9): G08C23/04 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
 CN205375819 U	20160706	CN201620030143U	20160113

Priority:

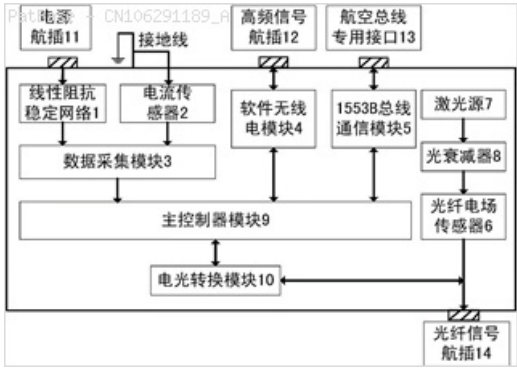
CN201620030143U 20160113

Probable Assignee: QINGDAO WANFU QUALITY TESTING CO LTD
Assignee(s): (std): QINGDAO WANFU QUALITY TESTING CO LTD
Assignee(s): QINGDAO WANFU QUALITY INSPECTION LTD ; QINGDAO WANFU QUALITY TESTING CO
Inventor(s): (std): FANG XU ; SUI NANA ; YU YONGCUI ; ZHANG PING

Title: NON-DISTURBANCE RECONFIGURABLE ELECTROMAGNETIC **INTERFERENCE DETECTION DEVICE** AND METHOD FOR SIMULATING REAL BOUNDARY

Abstract: Source: CN106291189A [EN] The present invention relates to a non-disturbance reconfigurable electromagnetic **interference detection device** and method for simulating a real boundary. The device comprises a linear impedance stabilization network, a current sensor, a data collection module, a software **wireless** electric module, a 1553B bus communication module, a fiber electric field sensor, a laser source, an optical attenuator, a master controller module, an electro-optics transition module and an external interface. The external interface employs a standard aviation plug interface and comprises a power supply aviation plug, a high-frequency signal aviation plug, a fiber signal aviation plug and an aviation bus special interface. The non-disturbance reconfigurable electromagnetic **interference detection device** and method for simulating the real boundary can provide a coupling way for the typical **interference** signals at an electromagnetic compatibility experimentation test field, complete the signal detection and transmission, concretely comprises the functions of power line **interference** signal detection, grounding line **interference** signal detection, the high-frequency communication signal detection, the space radiation signal detection and the bus communication signal detection, have good reconfigurability and non-disturbance test features and maximally restore the real electromagnetic boundary to realize the lifelike electromagnetic response.

Classifications:
International (IPC 8-9): G01R31/00 (Advanced/Invention)
CPC: G01R31/001



Family:

Publication number	Publication date	Application number	Application date
CN106291189 A	20170104	CN201610670817	20160815

Priority:

CN201610670817 20160815

Probable Assignee: UNIV BEIHANG
Assignee(s): (std): BEIHANG UNIV ; UNIV BEIHANG
Inventor(s): (std): DAI FEI ; GAO ZHANWEI ; WANG SHUNXIN ; ZHENG TAO