

Nicolas Vargas

Search history

Search 1: SFT=(teach* and classroom and camera and infrared and router) (Results 248)
Search 2: SFT=(teach* and classroom and camera and infrared and router) and PD<20180821 (Results 212)
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Search 4: 3 and stylus (Results 50)
Search 5: STA=(classroom or teach*) and PD<20180821 (Results 125869)
Search 6: 5 and router and wireless and stylus (Results 32)
Search 7: 6 and camera (Results 19)

1) Family number: 30083016 (US2001037508A)

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Title: VARIABLE BANDWIDTH COMMUNICATION SYSTEMS AND METHODS

Abstract: A variable bandwidth communication system includes a first and a second communication station, coupled for continuous, bi-directional communication. The first communication station is capable of transmitting at a first and a second bandwidth, and is capable of receiving at a third and a fourth bandwidth. The second communication station is capable of receiving at the first and second bandwidth and is capable of transmitting at the third and fourth bandwidth. The transmitting bandwidth of each station is selectable by the user. The second bandwidth is greater than the first and the fourth bandwidth is greater than the third. Preferably, but not necessarily, the first and third bandwidth like the second and fourth bandwidth are about the same. The first communication system can display communication received at the fourth bandwidth at the first bandwidth, and the second communication system can display communications received at the second bandwidth at the third bandwidth.

Classifications:

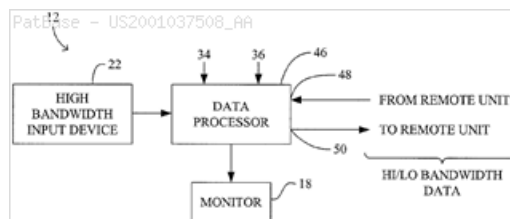
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US: 340/539.1 340/573.1 340/6.1 340/6.100P 340/7.46 340/7.53 340/7.56 340/74.6 340/75.6 340/8.1 340/825.49 345/744 348/14.01 348/14.02 348/14.020S 348/14.03 348/14.030P 348/14.1 348/E07.081 348/E07.083 348/E7.077 348/E7.081 348/E7.082 348/E7.083 348/E70.77S 348/E70.81S 348/E70.82S 348/E70.83S 370/313 370/465 370/468 370/468P 375/222 375/E07.012 375/E07.013 375/E7.012 375/E7.013 375/E70.12S 375/E70.13S 700/94 707/12 707/200 707/999.2 709/204 709/205 715/744 725/105 725/105P



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Priority:

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Agent(s): PERKINS COIE LLP, PATENT-SEA; PERKINS COIE LLP PATENT SEA; VAN PELT YI AND JAMES LLP; PERKINS COIE LLP

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

2) Family number: 44431038 (US2010048273A)

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Title: WELDING SIMULATOR

Abstract: Embodiments of the present invention pertain to a computer program product and processor based computing system that provides processing means for executing coded instructions and input means for interacting with said processing means to create a virtual welding environment. The system establishes an objective to change a functional or operational state of a virtual article, and directs the end user to perform at least one virtual welding operation for changing its functional state. The system trains new users and inexperienced welders on the fundamental aspects of welding and other technical

Classifications:

International (IPC 8-9): A42B3/04 A42B3/30 A61F9/06 A63F13/24 A63F13/57 B23K31/00 B23K31/12 B23K37/00 B23K9/00 B23K9/095 B23K9/10 B23K9/167 B23K9/32 B23P19/04 B29C64/386 B33Y50/00 B33Y50/02 B33Y80/00 F16P1/06 G01J1/42 G01J1/58 G06F17/00 G06F17/50 G06F19/00 G06F3/0485 G06G7/48 G06Q50/20 G06T19/00 G09B19/00 G09B19/24 G09B25/02 G09B5/00 G09B5/02 G09B5/04 G09B5/06 G09B7/00 G09B9/00 H04N13/00 (Advanced/Invention); B23K9/09 B23K9/095 B23K9/10 H04L29/06 (Advanced/Non-invention); G06F17/00 G06G7/00 G09B19/00 G09B19/24 G09B25/00 (Core/Invention) **CPC:** G06T19/006 B23K9/321 B23K9/1043 A42B3/042 A42B3/30 B23K9/1062 B23K9/10 B23K9/32 B23K9/00 G09B5/06 G09B5/065 G09B5/02 G09B19/00 G06F17/5009 G09B7/00 B23K9/09 H04L29/06034 G09B9/00 A63F13/24 G09B19/003 B33Y50/00 B33Y80/00 A61F9/06 G09B5/04 B23K9/0956 B23K9/0953 B23K9/095 B23K31/125 G09B25/02 H04N13/161 G09B19/24 G09B5/00 H04L67/38

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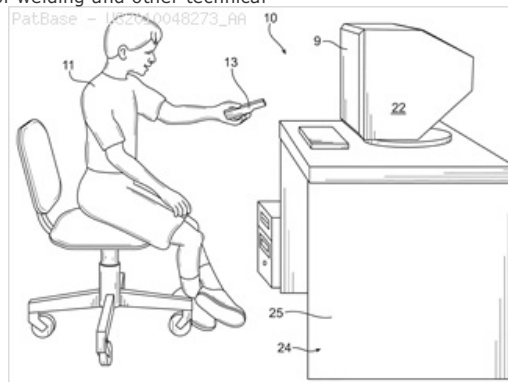
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Priority:

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Probable Assignee: LINCOLN GLOBAL INC

Assignee(s): (std): ADITJANDRA ANTONIUS ; BENNETT MATT ; BENNETT MATTHEW ALAN ; BRIGGS ERIC C ; BRIGGS LYNN ; LINCOLN GLOBAL INC ; DROLLER RICHARD B ; DANA PAUL ; HENNESSEY JEREMIAH ; LENKER ZACHARY STEVEN ; DUDAC YVETTE CHRISTINE ; LEACH JASON ; KINDIG MICHAEL A ; WALLACE MATTHEW WAYNE ; ZBORAY DAVID ANTHONY ; LUNDELL ANDREW PAUL ; PREISZ ERIC ; PREISZ ERIC A ; PETERS CARL ; POSTLETHWAITE DEANNA ; WEBB ADAM LEE ; LINKOL N GLOBAL INK

Assignee(s): LINCOLN GLOBAL INC SANTA FE SPRINGS ; LINCOLN GLOBAL

Inventor(s): (std): LUNDELL ANDREW PAUL ; BENNETT MATTHEW ALAN ; ZBORAY DAVID ANTHONY ; WALLACE MATTHEW WAYNE ; BRIGGS ERIC C ; HENNESSEY JEREMIAH ; DROLLER RICHARD B ; DANA PAUL ; BRIGGS LYNN ; PREISZ ERIC ; LENKER ZACHARY STEVEN ; DUDAC YVETTE CHRISTINE ; PREISZ ERIC A ; PETERS CARL ; ZACHARY STEVEN LENKER ; PAUL LUNDELL ANDREW ; ANTHONY ZBORAY DAVID ; LYNN BRIGGS ; PAUL DANA ; CHRISTINE DUDAC YVETTE ; JEREMIAH HENNESSEY ; ERIC PREISZ ; ALAN BENNETT MATTHEW ; STEVEN LENKER ZACHARY ; WAYNE WALLACE MATTHEW ; CARL PETERS ; POSTLEHWAITE DEANNA ; AJITJANDRA ANTONIUS ; DANIEL JOSEPH A ; CARL J PETERS ; ADAM LEE WEBB ; ZBORAY DAVID ; WEBB ADAM ; LENKER ZACHARY ; WALLACE MATTHEW ; DUDAK IVETT KRISTIN ; KHENNESI DZHEREMIA ; PREJSH EHRIC A ; DANA POL ; BENNETT MEHTT JU ALAN ; LANDELL EHNDJRJU POL ; ZBOREHJ DEVID EHNTONI ; LENKER ZAKHARI STIVEN ; UOLLEHJS MEHTT JU UEHJN ; WEBB ADAM LEE ; VALLASE MEHT JU VEHJN ; PREISZ EHRIC ; BENNETT MEHT JU ALAN ; LUNDELL EHNDJRJU POL ; BRIGGS EHRIC S ; KHENNESSEI ZHEHREHMI ; ZBORAI DEHVID EHNTONI ; BRIGGS LINN ; DUDAK IVET KRISTIN ; KINDIG MICHAEL A ; POSTLETHWAITE DEANNA ; ADITJANDRA ANTONIUS ; LEACH JASON ; BENNETT MATT ; DEANNA POSTLETHWAITE ; ANTONIUS ADITJANDRA ; JASON LEACH ; MICHAEL A KINDIG ; DAVID ANTHONY ZBORAY ; MATTHEW WAYNE WALLACE ; MATTHEW ALAN BENNETT

Inventor(s): YVETTE CHRISTINE DUDAC ; RICHARD B DROLLER ; ERIC C BRIGGS ; LENKER ZACHARY STEVEN VERNON ; ZBORAY DAVID ANTHONY TRUMBULL ; WALLACE MATTHEW WAYNE SOUTH WINDSOR ; POSTLETHWAITE DEANNA SPARKS ; JOSEPH A DANIEL ; ERIC A PREISZ ; ANDREW PAUL LUNDELL

Agent(s): BAKER AND MCKENZIE LLP; THURLOW MATTHEW; GROSSE SCHUMACHER KNAUER VON HIRSCHHAUSEN; OHNUKI SHINSUKE; ITOH TADAHIKO; ITOH TADASHIGE; HAHN LOESER / LINCOLN; HAHN LOESER LINCOLN; HAHN LOESER AND PARKS LLP; SHANNON V; TUCKER ELLIS LLP; CARLOS; PERKINS COIE LLP; EVAN; GARRITANO CARLOS; PERRY EVAN

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

3) Family number: 41801059 (US2008113327A)

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Title: INTERACTIVE SYSTEM FOR **TEACHING** AND LEARNING ALGORITHMS THROUGH DISCOVERY

Abstract: The claimed subject matter pertains to systems and methods that facilitate learning of algorithms through incremental discovery in an interactive environment. An algorithm can be decomposed into its base parts and a representation of the algorithm and its parts can be presented to the user in the form of puzzles and/or quizzes. The user can learn the algorithm by solving a sequence of puzzles and/or quizzes that lead the user to reinvent the logical and strategic thinking associated with the algorithm.

Classifications:

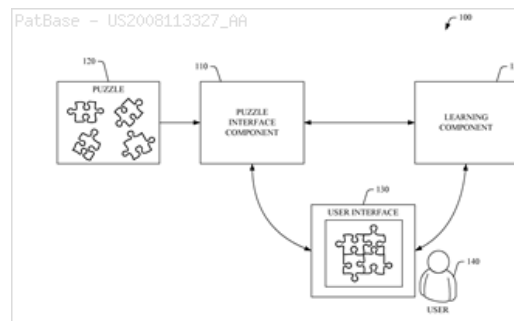
International (IPC 8-9): G09B3/00 (Advanced/Invention);

G09B3/00 (Core/Invention)

CPC: G09B19/00

European: G09B19/00

US: 434/350 434/350P



Family:

Publication number	Publication date	Application number	Application date
US2008113327 AA	20080515	US20060558565	20061110

Priority:

US20060558565 20061110

Probable Assignee: MICROSOFT CORP

Assignee(s): (std): MICROSOFT CORP

Assignee(s): MICROSOFT TECHNOLOGY LICENSING LLC

Inventor(s): (std): LARCHEVEQUE JEAN MARIE H

Agent(s): AMIN TUROCY AND CALVIN LLP

Title: METHODS AND SYSTEMS FOR PROVIDING QUICK CAPTURE FOR LEARNING AND ASSESSMENT

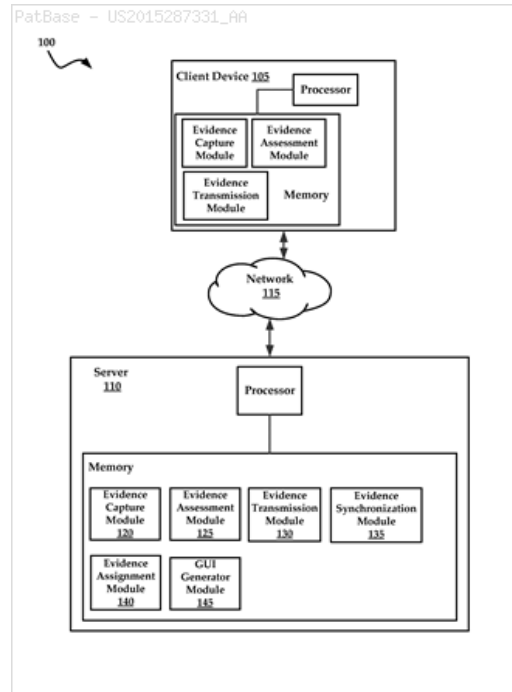
Abstract: Methods and systems for providing quick capture for learning and assessment are provided herein. An example method includes providing a plurality of graphical user interfaces (GUIs), the plurality of graphical user interfaces for capturing unique categories of evidence of student learning, the evidence of student learning including a plurality of media types, receiving evidence of student learning including both media and narrative content from a **teacher** using the plurality of graphical user interfaces, synchronizing the evidence of student learning with one or more student accounts, and assigning at least a portion of the evidence of student learning to a student portfolio.

Classifications:

International (IPC 8-9): G09B7/00 H04L29/08 (Advanced/Invention)

CPC: G09B7/00 H04L67/22

US: 434/350



Family:

Publication number	Publication date	Application number	Application date
US2015287331 AA	20151008	US20150680828	20150407

Priority:

US20140976982P 20140408 US20150680828 20150407

Probable Assignee: FRESHGRADE EDUCATION INC

Assignee(s): (std): FRESHGRADE EDUCATION INC

Inventor(s): (std): PAYNE MARK ; HUMPHRIES CAYLEY ; WANDLER STEVE ; KARSGAARD NATHAN ; MERRIFIELD LANE

Title: APPARATUS, SYSTEM, AND METHOD FOR REMOTELY CONTROLLING A MULTISCREEN DISPLAY FOR DELIVERY OF INSTRUCTIONAL INFORMATION

Abstract: An apparatus, system, and method are disclosed for remotely controlling multiple displays for delivery of instructional information from multiple inputs. A setup module is included to store a plurality of display instructions where each display instruction is configured to display at least one image of one or more input devices on each of at least three display devices and each display device capable of displaying a separate image to students in a **classroom**. A linking module is included to link one or more display instructions with a preset. The preset is located on a remote control device with a plurality of presets. A display module is included to display the images from the input devices on the display devices associated with a display instruction in response to a user selecting the preset linked to the one or more display instructions.

Classifications:

International (IPC 8-9): G06F19/00 G06F3/14 G09B19/00 G09B5/02

G09B5/12 G09B7/00 (Advanced/Invention);

G06F19/00 G06F3/14 G09B19/00 G09B7/00 (Core/Invention)

International (IPC 1-7): G09B7/00

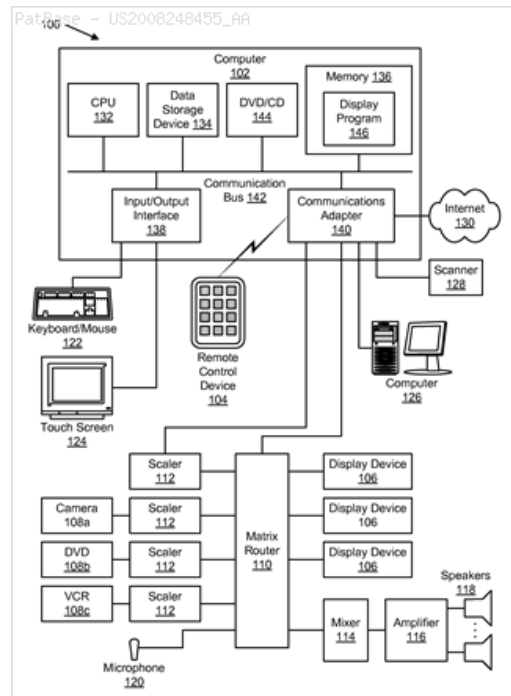
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H04N21/4402

European: G09B5/12 H04N21/414P H04N21/41P4 H04N21/4363W

H04N21/4402

US: 434/365 434/365P



Family:

Publication number	Publication date	Application number	Application date
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US2008248455 AA	20081009	US20070866935	20071003
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Priority:

US20060828173P 20061004 US20070866935 20071003 WO2007US80484 20071004

Probable Assignee: LIFE SUCCESS ACADEMY

Assignee(s): (std): DOHRMANN BERNHARD ; LIFE SUCCESS ACADEMY

Inventor(s): (std): BERNHARD DOHRMANN ; DOHRMANN BERNHARD

Agent(s): OSLER HOSKIN AND HARCOURT LLP; ALTON ANDREW; KUNZLER AND MCKENZIE; KUNZLER BRIAN C 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 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

6) Family number: 63934379 (US2016327298A)

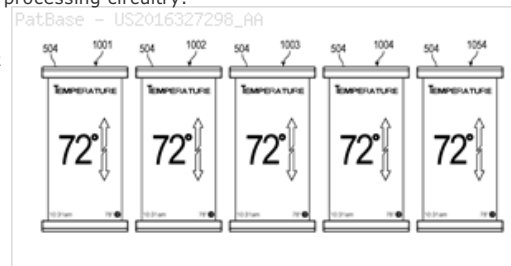
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Title: MOUNTABLE TOUCH THERMOSTAT USING TRANSPARENT SCREEN TECHNOLOGY

Abstract: A thermostat includes a transparent touch screen display, wherein the matter behind the display is visible in the non-active display portions and a control bar connected to one side of the transparent touch screen display. The control bar includes a housing, processing circuitry operably connected to the transparent touch screen display and configured to monitor and control building equipment, and a temperature sensor operably connected to the processing circuitry.

Classifications:

International (IPC 8-9): A61B5/00 A61B5/0205 A61M5/172 A62B3/00 F21V33/00 F24D19/00 F24F1/00 F24F1/08 F24F1/20 F24F11/00 F24F11/02 F24F11/30 F24F11/46 F24F11/50 F24F11/52 F24F11/523 F24F11/54 F24F11/56 F24F11/57 F24F11/58 F24F11/62 F24F11/63 F24F11/64 F24F11/65 F24F11/70 F24F11/80 F24F11/88 F24F11/89 F24F11/10 F24F110/20 F24F110/50 F24F120/10 F24F5/00 F25B13/00 F25B47/02 G01C21/20 G01K1/02 G05B15/02 G05B19/042 G05B19/048 G05B19/418 G05D23/19 G05D27/00 G06F17/00 G06F21/00 G06F3/01 G06F3/041 G06F3/0481 G06F3/0482 G06F3/0484 G06F3/0488 G06F3/16 G06F8/61 G06F8/65 G06K9/00 G06Q20/10 G06Q20/12 G06Q20/14 G06Q20/38 G06Q20/40 G06Q50/06 G06Q50/12 G06Q50/30 G07C9/00 G07F17/00 G07G5/00 G08B17/08 G08B21/00 G08B21/04 G08B21/10 G08B25/00 G08B25/01 G08B25/10 G08B7/06 G08C19/22 G12B9/02 G12B9/04 H02J13/00 H04L12/28 H04L29/06 H04L29/08 H04M1/725 H04Q9/00 H04W4/00 H04W4/024 H04W4/04 H04W4/70 H04W4/90 H04W64/00 H05B37/02 H05K5/02 (Advanced/Invention); A61B5/024 A61B5/11 A61B5/117 A61M5/14 F24F11/52 F24F11/56 F24F11/59 F24F11/63 F24F11/70 F24F110/10 F24F110/20



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CPC: G05B19/042 G06Q20/127 G06Q20/145 G06F3/0481 G06K9/00288 G06K9/00885 G06F3/017 G06F3/167 G06F3/0484 G06F3/04883 G06F3/04845 F24F1/0003 G06F3/04817 G06Q20/102 G06F2203/04803 G10L17/08 H04B5/0031 H04W64/003 G06Q50/12 G05B2219/15117 G07F17/0057 G07G5/00 G06Q20/10 G06Q20/405 G06Q50/30 G07C9/00571 G08B21/0453 H04L67/12 A61M5/1723 A61B5/02405 A61B5/02438 A61M2209/088 G06Q50/06 G06F3/04847 G06F3/0488 G06F3/04886 G06F2203/0383 G08B21/043 G08B25/016 G08B27/005 G05D23/1923 G05D23/1934 G06F3/041 G08B25/14 G06Q50/01 G06Q10/20 F24F1/08 F24F1/20 F25B47/025 F25B2700/171 F25B2500/19 F25B2600/2513 F24F11/0076 F24F11/02 F24F2011/005 F24F2011/0049 F24F2011/0067 H04W4/80 F24F11/46 F24F11/61 F24F2110/12 F24F2130/00 F24F2130/10 F24F2140/60 F24F11/32 F24F2110/00 F24F11/77 F24F11/83 F24F11/47 F24F11/64 F24F2110/20 F24F2140/12 F24F2140/20 F24F2140/40 F24F11/85 F24F1/06 F24F11/58 F25B2600/23 F25B2700/11 F25B2700/1931 F25B2700/1933 F25B2700/2103 F25B2700/2106 F25B2700/21151 F24F11/38 F24F11/65 H04L12/2816 F24F2140/00 H04L51/32 G06F2203/04104 G05B19/4183 G05B19/41855 G05B19/4186 G05D23/1927 H05B37/0272 H05B37/0236 G07F17/0014 A61M5/14 F24F2120/12 F24F2120/14 F24F2120/20 G08B7/066 G08B19/00 G08B27/00 H05B37/0227 F24F11/50 G05D23/1917 F25B49/02 F24F11/523 G05B19/0428 G06F3/0482 G05D23/1905 G06Q10/00 F24F2140/50 F24F11/57 G01C21/206 G08B17/08 G05B2219/2614 Y02P80/10 G06Q10/063 A61B5/02055 A61B5/681 G06F16/24575 H04L12/2827 H04W64/006 G08B7/062 G08B25/10 H04L12/4625 A62B5/00 H04W4/90 F24D19/00 G06F8/61 G05B19/048 G06F8/65 F24F11/88 F21Y2115/10 F21V33/0092 G01C21/00 F24F2120/10 H05B37/0218 F24F11/70 G05D23/1902 G06F3/0412 A61B5/1113 A61B5/117 G06Q20/382 G06Q20/383 H04W64/00 F24F11/30 F24F2110/10 G05B15/02 G05B2219/2642 F24F11/56 F24F11/59 F24F11/62 F24F11/63 G05B19/0426 H04W4/024 H04W4/029 H04W4/33 F24F11/52

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Designated states:

AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ 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 JO JP KE KG KH KM KN KP KR KW 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

7) Family number: 57702461 (US2014322692A)

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Title: METHODS FOR ONLINE EDUCATION

Abstract: The present invention is generally directed to a variety of tools, programs and methods for presenting or enhancing an online learning environment for a student viewing or participating in an online learning session. One embodiment is directed to a method of matching instructors and students by utilizing commonalities (or lack thereof) with a social media site and by having the student take a personality test to determine how the student learns most efficiently. Another embodiment is directed to a method of certifying instructors that want to **teach** an online course. And yet another embodiment is directed to a method presenting an online learning session to students using and toggling between varieties of viewing formats.

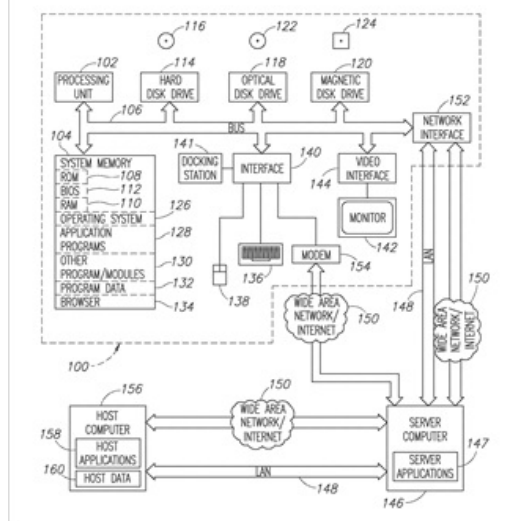
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PatBase - US2014322692_AA



Family:

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Priority:

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Assignee(s): (std):

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Inventor(s): (std):

FIELDMAN ETHAN

Agent(s):

BEYER LAW GROUP LLP

8) Family number: 58506490 (US2015049745A)

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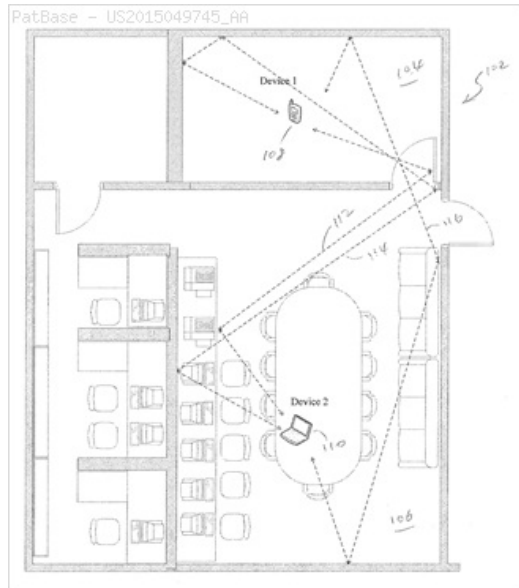
Title: TIME-REVERSAL **WIRELESS** SYSTEMS HAVING ASYMMETRIC ARCHITECTURE

Abstract: In an asymmetric time-reversal **wireless** system, a base station includes an input circuit configured to, during a hand-shake period, receive a channel response signal derived from a probe signal sent from a first terminal device to the apparatus through multiple **wireless** propagation paths, and during an uplink transmission period, receive combined signals that include a signal from the first terminal device and a signal from a second terminal device. The base station includes a data processor configured to calculate a signature waveform for the first terminal device based on the channel response, and determine the signal sent from the first terminal device during the uplink transmission period based on the combined signals and the signature waveform for the first terminal device.

Classifications:

International (IPC 8-9): A61B5/0205 A61B5/04 A61B5/08 A61B5/11 A61B5/113 A61B5/117 B66B3/02 E05B47/00 G01B7/00 G01C21/10

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Probable Assignee: ORIGIN WIRELESS INC

Assignee(s): (std): CHEN CHEN ; HAN YI ; LAI HUNG QUOC DUC ; LIU K J RAY ; ORIGIN WIRELESS COMMUNICATIONS INC ; ORIGIN WIRELESS INC ; WIRELESS INC ; SAFAR ZOLTAN ; XU QINYI ; ZHANG FENG ; WANG BEIBEI

Assignee(s): SCHLAGE LOCK CO LLC

Inventor(s): (std): YANG YU HAN ; LAI HUNG QUOC ; HALL KATHERINE L ; HALL KATHERINE ; CHEN CHUN I ; KU MENG LIN ; MA HANG ; WONG CHAU WAI ; JIANG CHUNXIAO ; BUTTERMORE JR THOMAS NELSON ; WU CHENSHU ; ZHANG HANGFANG ; CLAFFEY DAVID N ; WU MIN ; MARUMO MASATO ; LEE JENG FENG ; BUTTERMORE THOMAS NELSON JR ; SAFAR ZOLTAN ; XU QINYI ; WU ZHUNG HAN ; LAI HUNG QUOC DUC ; ZHANG FENG ; CHEN CHEN ; WANG BEIBEI ; AU OSCAR CHI LIM ; HAN YI ; CHEN YAN ; MU MIN ; CHI LIM AU OSCAR ; WU ZHANG HAN ; DUC LAI HUNG QUOC ; LIU K J RAY ; HAN FENG

Inventor(s): LIU KJ RAY ; LIU KJ ; LIU K ; SEACAT JUSTIN D ; NEWBY DAVID ; BATY DAVID M ; AINLEY WILLIAM B

Agent(s): CONROY JOHN; BOULT WADE TENNANT LLP; FISH AND RICHARDSON PC; XIAO YINGXIN; HUANG REX I

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 DJ 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 KH KM KN KP KR KS 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: AUTOMATED DELINEATION OF NUCLEI FOR THREE DIMENSIONAL (3-D) HIGH CONTENT SCREENING

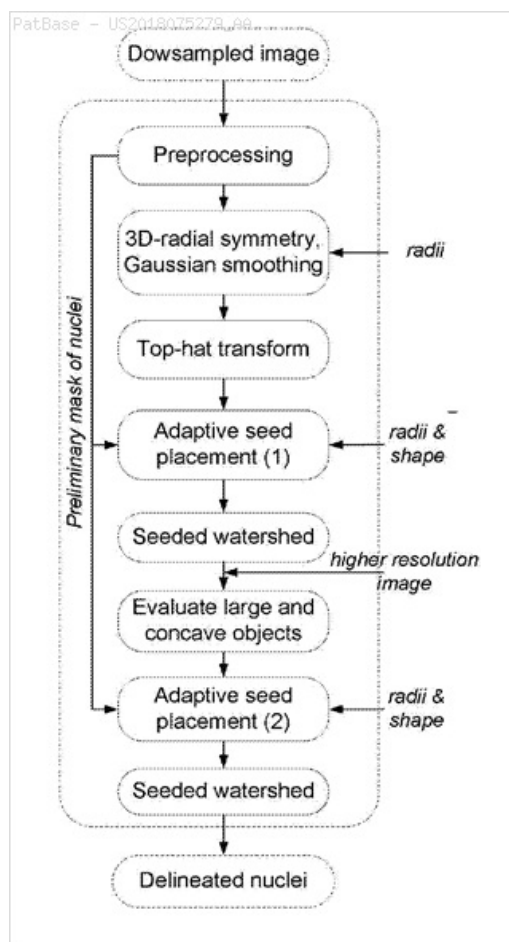
Abstract: In various embodiments, the invention **teaches** systems and methods for analyzing an image of cells, including an image obtained by confocal microscopy, and delineating cell nuclei in the image. In some embodiments, the systems and methods apply a three-dimensional (3-D) radial symmetry transform followed by adaptive post processing of symmetry images to arrive at a mask of seeds that can guide watershed-based segmentation.

Classifications:

International (IPC 8-9): C12Q1/68 G01N1/30 G01N33/50 G01N33/574 G01Q30/02 G06K9/00 (Advanced/Invention)

CPC: G06K9/0014 G01N1/30 G01N33/5011

US: 382/133



Family:

Publication number	Publication date	Application number	Application date
EP3286337 A1	20180228	EP20160784018	20160422
EP3286337 A4	20181212	EP20160784018	20160422
US2018075279 AA	20180315	US20160565677	20160422
WO16172612 A1	20161027	WO2016US29023	20160422

Priority:

US20150151719P 20150423 US20160565677 20160422 WO2016US29023 20160422

Probable Assignee: CEDARS SINAI MEDICAL CENTER

Assignee(s): (std): CEDARS SINAI MEDICAL CENTER

Inventor(s): (std): KNUDSEN BEATRICE ; GERTYCH ARKADIUSZ

Agent(s): HUTTER ANTON; DUKE BRIAN T 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

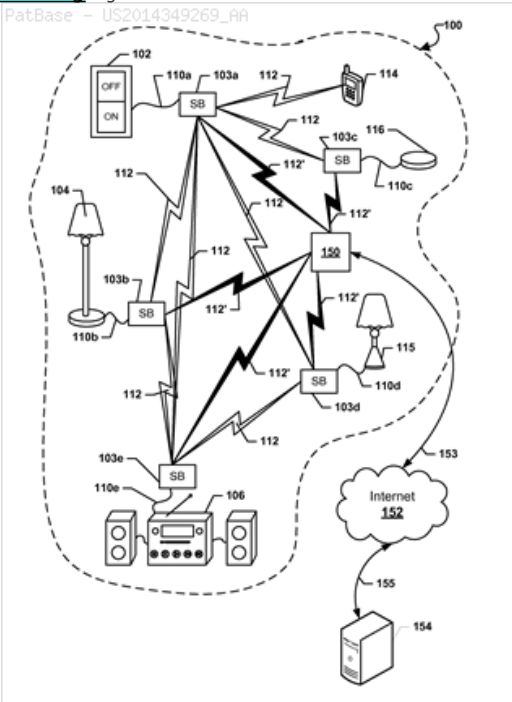
Title: SIGNALING DEVICE FOR **TEACHING** LEARNING DEVICES

Abstract: Various embodiments for conducting proxy **teaching** for learning devices within a decentralized system, including an embodiment method with operations for obtaining, by a **teacher** signaling device, objectives data related to activities of one or more of the learning devices, generating, by the **teacher** signaling device, **teaching** routines based on the obtained objectives

data, and broadcasting, by the **teacher** signaling device, **teaching** signals configured to **teach** one or more of the learning devices based on the generated **teaching** routines. Other embodiments may obtain objectives data by requesting reflex information from the learning devices or intercepting event report messages transmitted by the learning devices. Other embodiments may include broadcasting discovery signals to identify nearby learning devices and modifying **teaching** routines when objectives of the generated **teaching** routines cannot be achieved. Other embodiments may include transmitting an authorization request to a user device to determine whether to broadcast **teaching** signals.

Classifications:

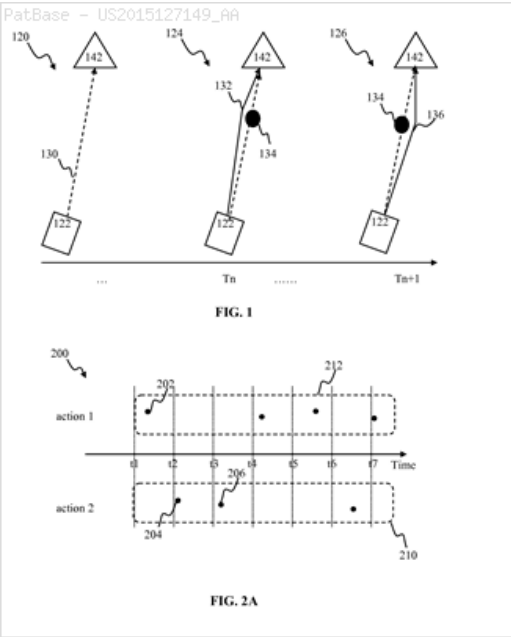
International (IPC 8-9): G06F15/16 G06F15/18 G06N5/04 G06N99/00
G06Q99/00 G09B5/00 H04L29/08 (Advanced/Invention);
H04L29/08 (Advanced/Non-invention)
CPC: G09B5/00 G06N5/04 H04L67/10 G06F15/18 G06F15/16 H04L67/12
G06N20/00
US: 434/322 706/12 706/48 709/217
JP F-Term: 5B078
JP F-Index: G06N20/00 G06N99/00/150



Family:

Publication number	Publication date	Application number	Application date
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G06N3/063 G06N20/00
US: 1/1 700/250 700/257 901/3



Family:

Publication number	Publication date	Application number	Application date
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US9844873 BB	20171219	US20170464104	20170320
WO15089233 A1	20150618	WO2014US69619	20141210
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WO15116271 A2	20150806	WO2014US63543	20141031
WO15116271 A3	20151112	WO2014US63543	20141031

Priority:

US20110152084 20110602	US20110239255 20110921	US20120623820 20120920
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Probable Assignee: BRAIN CORP

Assignee(s): (std): BRAIN CORP ; BRIAN CORP

Inventor(s): (std): SZATMARY BOTOND ; FISHER DIMITRY ; ZHIKEVICH EUGENE ; PONULAK FILIP ; LAURENT PATRYK ; KAZEMI MOSLEM ; IZHIKEVICH EUGENE M ; PASSORT JEAN BAPTISTE ; PASSOT JEAN BAPTISTE ; SINYAVSKIY OLEG ; IZHIKEVICH EUGENE

Agent(s): PILLSBURY WINTHROP SHAW AND PITTMAN LLP; GAZDINSKI AND ASSOCIATES PC; GAZDZINSKI AND ASSOCIATES PC; ESPLIN D BENJAMIN ET AL; WANG MARK I

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

13) Family number: 29478712 (US2007191070A)

© PatBase

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

Abstract: A method and apparatus for reconfiguring the audio and video interfaces of mobile devices is described. A system for

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

Classifications:

International (ipc 8-9): A61B5/00 A61B5/0205 A61B5/024 A61B5/026 A61B5/04 A61B5/0408 A61B5/117 A61B5/1455 A61K9/00 A61M31/00 A61M35/00 A61M37/00 A61M5/172 A61N1/36 A61N1/362 A61N1/365 A61N1/37 A61N1/372 A61N1/39 G02B27/01 G06F15/16 G06F15/177 G06F17/28 G06F17/30 G06F17/60 G06F19/00 G06F3/00 G06F3/023 G06F3/048 G06K9/00 G06K9/62 G06N5/02 G06Q17/30 G06Q30/02 G06Q30/06 G06Q30/08 G06T19/00 G06T3/40 G08B1/08 G08B9/00 G08C17/02 G09B19/00 G09B5/06 G09G5/14 H04B1/00 H04B1/02 H04B1/38 H04B10/00 H04B10/11 H04B13/00 H04B7/00 H04B7/005 H04B7/04 H04B7/15 H04B7/26 H04L12/24 H04L12/28 H04L12/725 H04L29/06 H04L29/08 H04L5/08 H04M1/00 H04M1/02 H04M1/247 H04M1/725 H04M11/00 H04M3/00 H04M3/42 H04N1/00 H04N21/235 H04N21/414 H04N7/14 H04Q11/00 H04Q7/00 H04W12/06 H04W16/26 H04W36/00 H04W36/22 H04W4/00 H04W4/16 H04W4/20 H04W40/02 H04W48/18 H04W80/04 H04W84/04 H04W88/02 H04W88/06 H04W88/10 H04W92/02 (Advanced/Invention); G02B27/01 G06Q50/00 H04B1/38 H04B7/0404 H04L29/08 H04M1/725 H04M11/04 H04N13/04 H04N5/222 H04N7/14 H04N7/18 H04W8/18 H04W80/04 H04W84/12 H04W88/06 H04W88/10 (Advanced/Non-invention); A61B5/00 A61K9/00 G06F15/16 G06F3/023 G08B1/00 G08B9/00 H04B1/02 H04B1/38 H04M1/00 (Core/Invention)

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

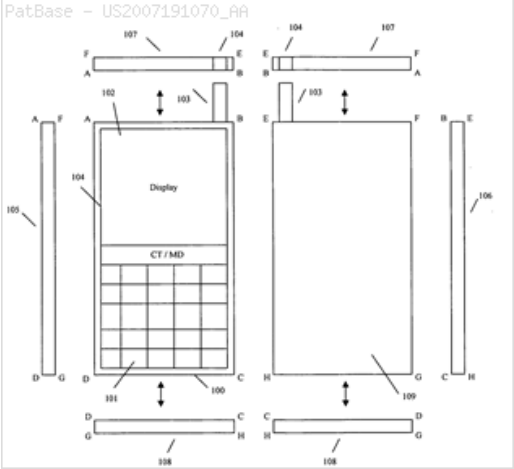
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Family:

Publication number	Publication date	Application number	Application date
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WO08147968 A1	20081204	WO2008US64669	20080523

Priority:

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US20160206130 20160708	US20170854754 20171227	

Probable Assignee: SMART MOBILE INC

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

Assignee(s): RAO RAJNI ; AIRSPACE REALITY ; SMART MOBILE INC

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

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

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

14) Family number: 45102769 (US2012077586A)

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Title: APPARATUSES, METHODS AND SYSTEMS FOR AN INTERACTIVE PROXIMITY DISPLAY TETHER

Abstract: The APPARATUSES, METHODS AND SYSTEMS FOR AN INTERACTIVE PROXIMITY DISPLAY TETHER (IPDT) **teaches** an Interactive Proximity Display Tether (IPDT), which provides an interactive communications and display tether between source and target devices. The IPDT allows users to employ source mobile devices on the larger display of target devices. For example, a user may employ a source device, such as the iPhone, and launch a IPDT implemented video game to employ larger display devices as targets, which allows for greater utility in operating various applications, and particularly in game environments.

Devices like the iPhone, which allow use of accelerometers whereby the entire device may act as an input (e.g., game) controller are enhanced with IPDT by allowing a user to both control inputs to the application (e.g., control the game) while still being able to fully view the results of the application.

Classifications:

International (IPC 8-9): A63F13/00 A63F13/12 G06F13/00 G06F15/177 G06Q10/00 H04N7/167 H04N7/173 (Advanced/Invention); A63F13/12 H04N7/167 (Core/Invention)

CPC: G06Q10/107 A63F13/31 A63F13/327 A63F13/34 A63F13/335 A63F13/533 A63F13/77 A63F13/795 A63F2300/1031 A63F2300/105 A63F2300/308 A63F2300/402 A63F2300/408 A63F2300/5546 H04L47/10 H04N21/4126 H04N21/42204 H04N21/4622 A63F2300/301 A63F2300/405 A63F2300/406 A63F2300/556 A63F2300/8011 A63F2300/8017 H04W76/10 A63F13/12 A63F13/06

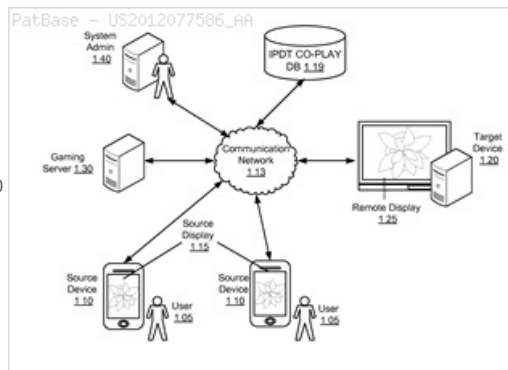
European: A63F13/06 A63F13/12 G06Q10/10M H04L47/10 H04N21/41P5 H04N21/422R H04N21/462S K63F300/10D1 K63F300/10N K63F300/30A K63F300/30M K63F300/40D K63F300/40L1 K63F300/40M K63F300/40P K63F300/55P K63F300/55P2 K63F300/80B K63F300/80D T04W76/02

US: 463/31 463/31P 709/220 709/220P

JP F-Term: 2C001 2C001/CB00 2C001/CB08 5B084 5B084/AA12

5B084/BB04 5B084/CB05 5C164 5C164/FA22 5C164/UA04/S 5C164/UA55/S 5C164/UB41/P 5C164/UB71/P 5C164/UB92/P 5C164/YA11 5C164/YA17

JP F-Index: A63F13/12/C A63F13/20/Z A63F13/23 A63F13/26 G06F13/00/500/D H04N21/431 H04N21/436 H04N21/442 H04N7/173/630



Family:

Publication number	Publication date	Application number	Application date
JP2012507091 T2	20120322	JP20110533429T	20091027
US2012077586 AA	20120329	US20090126100	20091027
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WO10062617 A1	20100603	WO2009US62253	20091027
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Priority:

US20080108565P 20081027	US20080116175P 20081119	US20090151832P 20090211
US20090152595P 20090213	US20090219526P 20090623	US20090126100 20091027
WO2009US62253 20091027	WO2010US23961 20100211	US20100148996 20100211

Probable Assignee: SGN GAMES INC

Assignee(s): (std): PISHEVAR SHERVIN ; SOCIAL GAMING NETWORK

Assignee(s): PLATFORM G INC ; SGN GAMES INC

Inventor(s): (std): PISHEVAR SHERVIN

Agent(s): WALTER G HANCHUK; SHERIDAN DANIEL C

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

15) Family number: 28286865 (US2002132216A)

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Title: APPARATUS AND METHOD FOR DELIVERY OF INSTRUCTIONAL INFORMATION

Abstract: An instructional information delivery system and method based on the storing and retrieving information via an eye-ear-body system optimizes learning. Courses are prepared and presented with help from multimedia tools that present different aspects of the instructional materials. The system and the method complement instructor-led lessons by emphasis on information delivery according to the process of attention to and retention of information by the brain. The information delivery system and method provides for multiple display screens and speakers receiving instructional information based on data that is manipulated according to a set of rules in a multimedia environment. The system allows real time feedback by instructor's input, control and override so that the lesson is flexible and responsive to the **classroom** if changes in the learning environment occur.

Classifications:

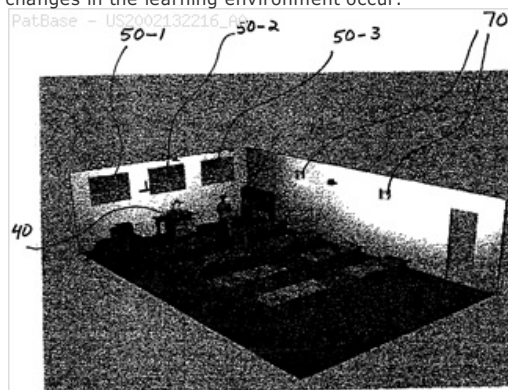
International (IPC 8-9): G06F17/00 G06F3/14 G09B3/00 G09B5/00 G09B5/06 G09B7/00 (Advanced/Invention)

International (IPC 1-7): G09B5/00 G09B7/00

CPC: G09B5/00

European: G09B5/00

US: 434/309 434/309P 434/322 434/324 434/326 434/350 434/362 434/362P 434/365 715/730 715/731 715/732 715/814 715/844 715/867



Family:

Publication number	Publication date	Application number	Application date
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WO0233677 C2	20021017	WO2001US32402	20011018

Priority:

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WO2001US32402 20011018 US20090629801 20091202

Probable Assignee: LIFE SUCCESS ACADEMY

Assignee(s): (std): DOHRMANN BERNHARD ; LIFE SUCCESS ACADEMY

Assignee(s): BERNHARD DOHRMANN

Inventor(s): (std): DOHRMANN BERNHARD

Inventor(s): BERNHARD DOHRMANN

Agent(s): KUNZLER AND MCKENZIE; KUNZLER LAW GROUP PC; KUNZLER LAW GROUP

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 CY CZ DE DK DM DZ
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 KR KZ LC 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 US UZ VN YU ZA ZW

16) Family number: 49787894 (US2012082974A)

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Title: ELECTRONIC **TEACHING** SYSTEM

Abstract: Systems, methods, and apparatus that couple portable educational terminal(s) with an instructor interface by way of an interactive, real-time educational system are presented herein. An educational component can be configured to authorize, via a network computing environment, a first communication between the educational component and an educational terminal; authorize, via the network computing environment, a second communication between the educational component and an instructor interface; and transfer, via the network computing environment, educational path information between the educational terminal and the educational component in response to the second communication. The educational path information can include digitized textbook information and/or relate to a lesson plan associated with the educational terminal. Further, the educational component can be configured to authorize the first communication in response to at least one of an alphanumeric registration, a voice activated registration, a biometric registration, or first information associated with the educational terminal.

Classifications:

International (IPC 8-9): G06F13/00 G06Q50/20 G09B1/00 G09B19/00
G09B5/00 G09B5/02 G09B5/06 G09B5/08 G09B7/02 (Advanced/Invention);
G09B19/00 (Core/Invention)

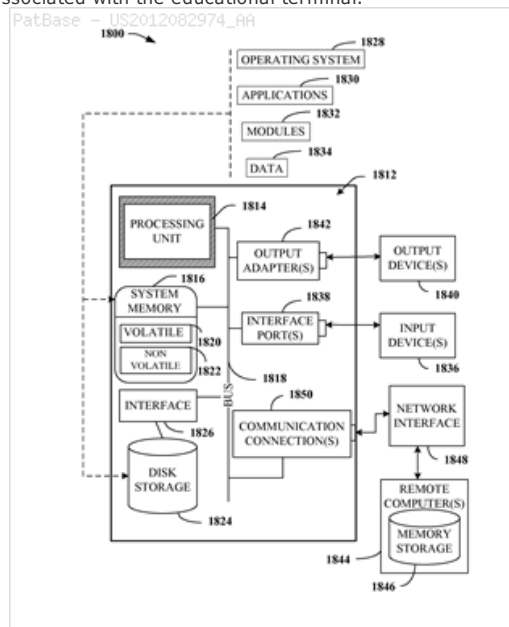
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G09B19/0053

European: G09B5/00 G09B5/06B G09B7/02

US: 434/429 434/429P

JP F-Term: 2C028 2C028/AA12 2C028/BA02 2C028/BA05 2C028/BB04
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5B084/AA02 5B084/AA06 5B084/AA26 5B084/CF12 5B084/DB01
5B084/DC02 5L049 5L049/CC34

JP F-Index: G06F13/00/650/A G06Q50/20 G09B5/08



Family:

Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: PLEIADES PUBLISHING LTD

Assignee(s): (std): CHURAKOVA NATALIA ; CHURAKOVA NATALIYA ALEKSANDROVNA ; PLEIADES PUBLISHING ; PLEIADES PUBLISHING LTD ; PLEIADES PUBLISHING LTD INC ; PLEIADES PUBLISHING LTD ROAD TOWN TORTOLA ; SHUSTOROVICH ALEKSANDR EVGENEVICH ; SHUSTOROVICH ALEXANDER ; ZAKHAROVA OLGA ALEKSANDROVNA ; ZAKHAROVA OLGA

Assignee(s): PLEIADES PUBLISHING INC LTD ; PLEIADES PUBLISHING LIMITED INC

Inventor(s): (std): CHURAKOVA NATALIA ; CHURAKOVA NATALIYA ; CHURAKOVA NATALIYA ALEKSANDROVNA ; SHUSTOROVICH ALEKSANDR ; SHUSTOROVICH ALEKSANDR EVGENEVICH ; SHUSTOROVICH ALEXANDER ; ZAKHAROVA OLGA ; ZAKHAROVA OLGA ALEKSANDROVNA

Inventor(s): NATALIYA ALEKSANDROVNA CHURAKOVA ; OLGA ALEKSANDROVNA ZAKHAROVA ; ALEKSANDR EVGENEVICH SHUSTOROVICH

Agent(s): OZAWA SEIJI; HIROTA MASANORI; GUMBURG NINA VYACHESLAVOVNA

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU 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

17) Family number: 62820911 (US2016193729A)

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Title: METHOD AND SYSTEM FOR DETERMINING PRECISE ROBOTIC POSITION AND ORIENTATION USING NEAR-SIMULTANEOUS RADIO FREQUENCY MEASUREMENTS

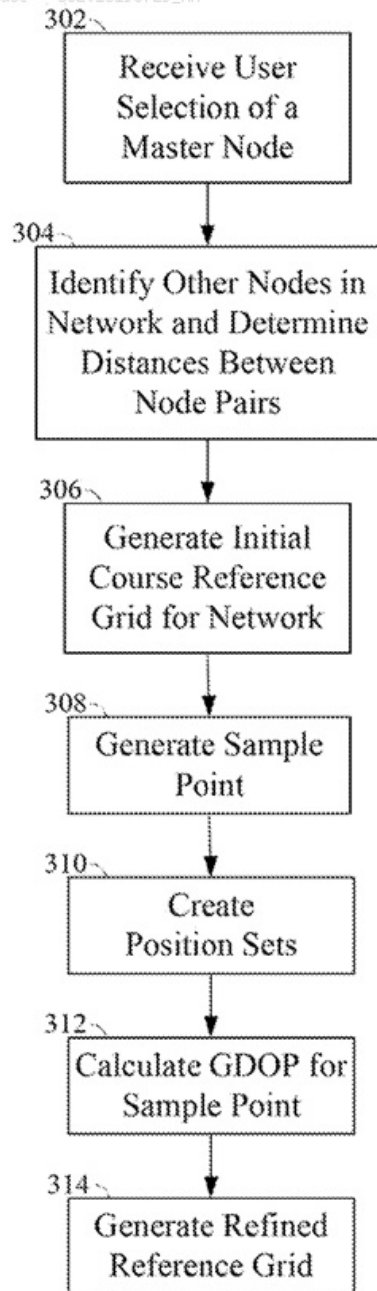
Abstract: A method and system for determining position and/or pose of an object. A robotic device moves throughout an environment and includes a master transceiver tag and, optionally, additional tags. The environment includes a plurality of anchor nodes that are configured to form a network. A master anchor node is in communication with at least a portion of the plurality of anchor nodes and is configured to transmit a ranging message as a UWB signal, receive a ranging message response from each other anchor node in the network, generate a reference grid representing physical locations of the plurality of anchor nodes within the network based upon the received ranging message responses, and distribute the reference grid to each of the other anchor nodes. The master transceiver tag receives the reference grid information and, based upon further calculations, determines a specific position and pose of the robotic device within the environment.

Classifications:

International (IPC 8-9): A47L11/00 A47L11/14 A47L11/20 A47L11/40 B25J11/00 B25J19/02 B25J9/08 B25J9/10 B25J9/16 E01H1/00 G01C21/00 G01C21/20 G01S15/93 G01S17/89 G01S17/93 G01S5/02 G05D1/02 G06F16/29 G06F17/30 G06K9/00 G06T1/00 H04B1/00 (Advanced/Invention)

CPC: G01C21/00 G05D1/028 B25J9/08 G05D1/0251 G05D1/0246 G05D2201/0203 G05D2201/0208 B25J5/007 G01S13/0209 H04B1/0092 Y10S901/01 G01S19/42 B25J11/008 B25J11/0085 A47L2201/00 A47L2201/06 G05D1/0274 B25J19/023 G01S5/0289 B25J13/089 G01S5/0263 G01S5/10 G01S19/48 G01C21/20 B25J9/163 B25J9/1679 B25J9/1664 A47L2201/04 A47L11/20 G06T1/0014 G06K9/00348 B25J9/1697 G06K9/00664 A47L11/14 G05D1/0221 G05D1/0238 G01C21/005 G01S7/4808 G01S17/88 A47L9/2826 A47L9/2852 G06K9/00805 G06F16/29 G01S17/89 E01H1/053 E01H1/103 G05D2201/0215 G01C21/206 G05D1/0219 E01H1/00 G06K9/00362 A47L11/00 A47L11/4002 A47L11/4008 A47L11/4011 G01S5/02 G01S15/931 G01S17/936 A47L9/00 G05D1/024 G05D1/0282

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Publication number	Publication date	Application number	Application date
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Priority:

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Probable Assignee: DISCOVERY ROBOTICS

Assignee(s): (std): DISCOVERY ROBOTICS

Assignee(s): WILLIAMS LARRY J ; RAJENDRAN VIVEK ; SHAH HARDIK ; KADEM DHARMATEJA ; SHAH ISHIT ; ULM BRITTA KATHLEEN ; KUMAR SUJITH VIJAYA ; KUMAR NAMAN ; BAL MANOMIT ; BLUM JEFFREY ; CALLEN DAVID

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Agent(s): BORDEN LADNER GERVAIS LLP; FINDLAY ALICE ROSEMARY; GTC LAW GROUP PC AND AFFILIATES; AMBROZIAK JEFFREY R 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 DJ 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 JO JP KE KG KH 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

18) Family number: 63983929 (US2017121840A)

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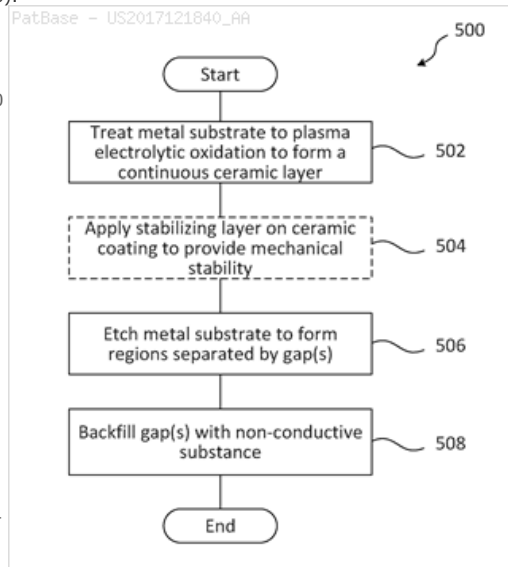
Title: METHODS OF MANUFACTURING STRUCTURES HAVING CONCEALED COMPONENTS

Abstract: The disclosed embodiments include a method of integrating metal elements separated by gaps with a structure that conceals the metal elements and gaps. The method includes treating a metal substrate to a plasma electrolytic oxidation process to form a ceramic layer from a portion of the metal substrate, thereby providing the ceramic layer and an underlying metal portion of the metal substrate. The method further includes etching gap(s) in the underlying metal portion of the metal substrate to form metal elements separated by the gap(s), and backfilling the gap(s) with a non-conductive substance. As such, the metal elements, the non-conductive substance filling the gap(s), and the ceramic layer collectively form a structure whereby the ceramic layer at least partially conceals the metal elements and the gap(s).

Classifications:

International (IPC 8-9): A61B5/00 A61B5/11 A61B5/1172 A63F13/85 B22F1/00 B22F3/10 B22F3/22 B22F3/24 B22F3/26 B22F5/00 B29C45/16 B29K305/00 B32B15/00 B32B18/00 B32B37/12 B32B7/12 C04B35/46 C04B35/64 C09J131/04 C09J133/00 C09J163/00 C09J175/04 C09J183/00 C09J5/04 C22C1/05 C23C22/00 C23C24/04 C23C4/12 C25D11/02 C25D11/04 C25D11/16 C25D11/18 C25D11/26 C25D11/30 C25F3/08 F21V14/00 F21V8/00 G01C23/00 G01J1/42 G01J3/28 G01S17/08 G02B13/00 G02B13/06 G02B26/08 G02B27/00 G02B27/01 G02B27/10 G02B27/22 G02B6/00 G02B7/02 G02F1/13 G02F1/133 G02F1/1333 G02F1/1335 G02F1/13357 G02F1/1347 G02F1/1368 G02F1/15 G03B11/00 G03B11/04 G03B15/00 G03B15/03 G03B17/00 G03B17/14 G03B17/16 G03B17/18 G03B17/56 G03B19/02 G03B19/18 G03B19/22 G03B3/00 G03B37/00 G03B37/04 G03B37/06 G03B7/08 G03B7/099 G06F1/16 G06F13/00 G06F13/14 G06F13/38 G06F13/40 G06F13/42 G06F15/177 G06F17/30 G06F21/32 G06F3/00 G06F3/01 G06F3/03 G06F3/038 G06F3/041 G06F3/042 G06F3/044 G06F3/045 G06F3/047 G06F3/048 G06F3/0481 G06F3/0484 G06F3/0488 G06K G06K13/08 G06K9/00 G06K9/24 G06K9/32 G06K9/60 G06T1/00 G06T11/60 G06T19/00 G06T3/00 G06T3/20 G06T3/40 G06T5/00 G06T5/50 G06T7/174 G06T7/33 G09F9/00 G09F9/30 G09G3/20 G09G3/30 G09G3/32 G09G3/3208 G09G3/3225 G09G3/34 G09G3/36 G11B20/00 H01F7/122 H01H13/06 H01L21/02 H01L21/3065 H01L23/58 H01L27/146 H01L27/32 H01L51/50 H01L51/52 H01L51/56 H01Q1/00 H01Q1/12 H01Q1/24 H01Q1/27 H01Q1/36 H01Q1/38 H01Q1/42 H01Q1/44 H01Q1/50 H01Q21/28 H01Q5/22 H01Q9/16 H02J50/10 H02J7/02 H03K17/96 H04B1/00 H04B1/38 H04B1/3816 H04B1/3818 H04B1/3827 H04B1/3883 H04B1/3888 H04B10/25 H04B10/40 H04B10/60 H04B10/80 H04B5/00 H04B5/02 H04L12/10 H04L29/06 H04L29/08 H04M1/00 H04M1/02 H04M1/03 H04M1/04 H04M1/18 H04M1/21 H04M1/23 H04M1/72 H04M1/725 H04N1/00 H04N1/036 H04N1/04 H04N1/207 H04N1/387 H04N13/02 H04N19/46 H04N5/217 H04N5/222 H04N5/225 H04N5/232 H04N5/235 H04N5/247 H04N5/265 H04N5/30 H04N5/33 H04N5/335 H04N5/345 H04N5/369 H04N5/50 H04N5/64 H04N5/77 H04N7/14 H04N7/15 H04R1/02 H04R1/32 H04R1/34 H04R1/40 H04R3/00 H04R5/027 H04S7/00 H04W4/00 H04W4/80 H04W52/02 H04W88/02 H04W92/04 H05B33/02 H05B33/10 H05B33/28 H05G1/56 H05K1/05 H05K1/09 H05K3/46 H05K5/00 H05K5/02 H05K5/04 H05K7/00 H05K7/02 H05K7/14 (Advanced/Invention); B23H3/00 B23H5/06 B23H9/00 B29K305/00 G02B13/06 G03B17/00 G03B37/00 G03B37/04 G06F1/16 G06F21/60 G06F3/00 G06F3/0481 G06F3/0488 H01H13/06 H01L27/15 H01L27/32 H01Q1/22 H02J50/90 H04M1/04 H04M1/21 H04M1/725 H04N1/00 H04N7/14 H04N7/15 H04N7/18 H04W88/02 (Advanced/Non-invention)

CPC: H04M1/23 H04M2250/12 H04R1/345 H04R2420/09 G02B6/0008 H04N5/23245 H04W52/0251 H04W88/02 G02B6/04 G06F1/1605 G02F1/1368 G02F1/133526 H01L27/322 H01L27/3227 H01L27/3262 H01L27/3258 H01L27/14621 H01L27/14627 H01L27/14623 H01L27/3272 H01L51/5275 H01L27/323 H01L27/3213 H01L2227/323 H01L27/14645 H01L27/14649 H01L51/56 G06F3/0416 G06K9/0002 G02F2201/50 G02F2202/28 G02F2001/133628 H04N5/3698 H04N5/345 G01J1/0425 G06F3/005 G09G3/3225 G09G3/36 G06F3/04883 G06F3/044 G06F3/045 H01L27/3234 H04N7/15 G09G2354/00 H01L27/3244 G09G2360/144 G09G3/3208 G06F3/012 G06F3/013 G02B27/017 G02B27/0093 G02B2027/0178 G02B2027/0138 G02B2027/014 H01Q1/243 H01Q5/22 H01Q1/50 H04B1/3888 H04B1/3883 H04M1/0266 H04B5/0031 H04L67/34 H04B1/3818 H02J50/10 H02J7/025 H04L63/0853 H04M1/03 G01J1/4204 G01J1/0422 G01S17/08 H04N5/23238 H04N5/23216 H04N5/23296 G06T3/0018 G06T5/50 G06T3/0093 H04N19/46 G02B13/0065 H04B10/2503 G06F2203/04101 H01L2251/308 C23C4/12 C23C24/04 B32B18/00 B32B37/12 B32B2307/202 B32B2307/206 B32B2311/18 H01Q1/12 H01Q1/38 H04N5/2256 G01S7/4818 G01S17/026 G06F3/0425 H04M1/236 H04N5/265 H04N5/217 H04N5/23206 H04N5/2253 G02B27/1066 G06F3/04817 H04M1/7258 G02B13/06 G06T19/006 G06K9/00885 G06K9/00671 G09G2330/027 G09G2320/0686 H04M1/05 H04M1/6058 H04R2499/11 H04W12/06 G09G3/2092 G09G3/3611 G09G2360/14 H04M1/72583 H04N5/2257 H04N5/23293 G06F13/4022 G06F13/4282 H04N5/2354 G02F1/13318 G02F2001/13312 B22F3/225 B22F3/24 B22F5/00 C09J5/04 C09J131/04 H04M2201/34 C09J163/00 C09J183/00 C09J133/00 B22F2003/244 C09J175/04 H04N5/23232 H04N5/2251 H01L27/156 H01Q21/28 H04R1/023 H04M1/0254 H04N5/332 G06K9/00013 H04N5/23225 H04N5/23241 H04R1/342 H04S7/30 H04R3/005 H04R1/406 G11B20/00992 H04N5/77 H04S2400/15 H04S2420/11 G09G5/377 G09G2340/125 G09G2370/025 G09G2370/16 G02F1/133308 G02F2001/133322 G02F2001/133325 G02F2001/133328 G02F2001/133331 G06F1/16 G03B17/568 H04N5/2259 Y02D70/00 G06T3/0062 G06T3/4038 H04W4/80 H04N1/00307 G06F3/04845 G06F2203/04803 H04N13/204 H04N13/239 G06F1/1601 G06F1/163 B22F3/1021 G06F3/0412 H02J50/90 H04M1/72527 C25D11/02 C25D11/022 C25D11/04 H05K1/053 H05K1/09 H05K3/4602 H05K2203/0315 H04N5/2352 G09G3/2003 H04N7/144 H04N5/2252 B23H3/00 B23H5/06 B23H9/00 B32B7/12 B32B15/00 B32B2255/24 B32B2315/02 B32B2457/00 C23C22/00 C25D11/026 C25D11/16 C25D11/26 C25D11/30 C25F3/08 H01Q1/2283 G06F1/1684 B22F7/08



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JP F-Term: 2H189 2H189/AA14 2H189/AA17 2H189/LA02 2H189/LA19 2H189/LA20 2H189/LA28 2H189/LA30 2H189/LA31 2H391 2H391/AA01 2H391/AC13 2H391/CA10 2H391/EB08 4C038 5B047 5B047/AA23 5B047/BA02 5B047/BB04 5B047/BC04 5B047/BC12 5B047/BC16 5B047/CA23 5B068 5B285 5C094 5C094/AA56 5C094/BA14 5C094/BA43 5C094/DB01 5C094/ED13 5C094/FB19 5C094/HA07 5C094/HA08 5G435 5G435/AA06 5G435/BB12 5G435/EE25 5G435/FF06 5G435/GG43 5G435/HH05 5G435/LL07 5G435/LL08 3K107 3K107/AA01 3K107/BB01 3K107/CC41 3K107/DD11 3K107/DD22 3K107/DD27 3K107/EE01 3K107/EE03 3K107/EE65 3K107/EE68 5C080 5C080/AA06 5C080/AA10 5C080/BB05 5C080/DD26 5C080/FF11 5C080/GG07 5C080/KK07 5C094/AA51 5C094/BA27 5C094/CA19 5C094/DA13 5C094/EA04 5C094/EA05 5C094/FB01 5C094/FB12 5C094/HA10 5C380 5C380/AA01 5C380/AB05 5C380/AB06 5C380/AB29 5C380/AC08 5C380/AC11 5C380/AC12 5C380/BA01 5C380/CE11 5C380/CE19 5C380/CF68 5C380/DA25 5C380/DA46 5E555 5E555/AA64 5E555/BA01 5E555/BB01 5E555/BC01 5E555/CA42 5E555/CB65 5E555/CB66 5E555/CC22 5E555/DA01 5E555/DB53 5E555/DC05 5E555/FA00 5G435/AA00 5G435/BB05 5G435/CC09 5G435/DD11 5G435/EE12 5G435/EE49 2H019 2H059 2H059/BA01 2H059/BA11 5B038 5B012 5K012/AB05 5K012/AE13 5K023 5K023/AA07 5K023/MM00 5K023/MM25 5K023/PP05 5K023/PP12 5K127 5K127/AA36 5K127/BA03 5K127/BB07 5K127/BB23 5K127/BB33 5K127/CA08 5K127/CB02 5K127/CB06 5K127/DA12 5K127/DA15 5K127/GA14 5K127/GD07 2H083 2H083/AA05 2H083/AA14 2H083/AA15 2H083/AA26 2H083/AA32 2H088 2H088/EA33 2H088/EA38 2H088/FA29 2H088/GA10 2H088/HA01 2H088/HA02 2H088/JA04 2K101 2K101/AA22 2K101/DA01 2K101/DB03 2K101/DB05 2K101/DC04 2K101/DC12 2K101/DC14 2K101/DC62 2K101/EC92 2K101/EE01 2K101/EG26 2K101/EG27 2K101/EG52 2K101/EG56 2K101/EG62 2K101/EK02 2K101/EK08 5C122 5C122/DA09 5C122/EA42 5C122/FB07 5C122/FF08 5C122/FK12 5C122/GC19 5C122/GE01 5C122/GE07 5C122/GE11 5C122/HB01 5K023/DD06 5K023/HH07 5K023/MM01

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Designated states:

AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU
CY CZ DE DJ 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 JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN
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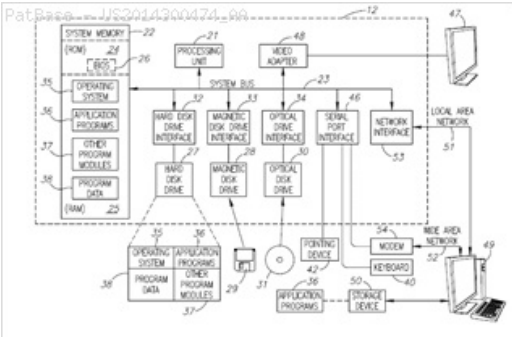
Abstract: The present invention relates to the use of illumination to inform the public about the occurrence of an event involving an individual, and especially the abuse or neglect of a child. The invention also teaches the use of illumination in conjunction with additional means of informing the public, thereby heightening public awareness, and improving public support for a particular cause.

Classifications:

International (IPC 8-9): G08B5/36 (Advanced/Invention)

CPC: G08B5/36 G08B27/00

US: 340/573.1



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US2014300474 AA	20141009	US20130857120	20130404

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LOMONACO DENNIS