

Nicolas Vargas

Search history

Search SFT=(braille and keyboard and space bar) (Results 74)

1:

Search SFT=(braille and keyboard and space bar and packet*) (Results 6)

2:

Search SFT=(braille and space bar and packet*) (Results 6)

3:

Search SFT=(braille and space bar) (Results 95)

4:

Search SFT=(braille and space bar and keyboard) (Results 74)

5:

Search SFT=(braille and space bar and keyboard and perkins) (Results 5)

6:

Search [SP]: braille display for use with a notetaker and with personal computers for blind and low vision users a braille display for use by blind and low vision users. the braille display can be detachably mounted on a notetaker which includes either a braille keyboard or a conventional qwerty keyboard and a memory for storing in digital form information which is entered through the keyboard. preferably, the braille display includes a conventional port for connecting through a cable to a personal computer or other computer operated device for displaying information. (Results 31)

Search 7 and braille (Results 28)

8:

Search 8 and perkins (Results 4)

9:

Search [SP]: portable device with virtual tactile keyboard and refreshable braille display a single-unit portable braille device is provided that can include a housing and a touch-sensitive surface provided on the housing and configured to implement a virtual braille keyboard including a plurality of virtual keys each associated with a key location on the touch-sensitive surface. the virtual braille keyboard is configured for entry of input braille data from a user contacting the touch-sensitive surface at one or more of the key locations. the portable braille device also includes a refreshable braille display provided on the housing and configured for outputting output braille data for tactile reading by the user, and a processing unit in the housing and configured to receive the input braille data from the touch-sensitive surface and to transmit the output braille data to the refreshable braille display. in some implementations, the portable braille device includes a visual display located under the touch-sensitive surface. (Results 73)

Search 10 and braille (Results 63)

11:

Search 11 and spacebar (Results 3)

12:

Search SFT=(braille and spacebar and keyboard and perkins) (Results 4)

13:

Search [SP]: portable device with virtual tactile keyboard and refreshable braille display a single-unit portable braille device is provided that can include a housing and a touch-sensitive surface provided on the housing and configured to implement a virtual braille keyboard including a plurality of virtual keys each associated with a key location on the touch-sensitive surface. the virtual braille keyboard is configured for entry of input braille data from a user contacting the touch-sensitive surface at one or more of the key locations. the portable braille device also includes a refreshable braille display provided on the housing and configured for outputting output braille data for tactile reading by the user, and a processing unit in the housing and configured to receive the input braille data from the touch-sensitive surface and to transmit the output braille data to the refreshable braille display. in some implementations, the portable braille device includes a visual display located under the touch-sensitive surface. (Results 73)

Search 14 and braille (Results 63)

15:

Search 15 and wireless (Results 29)

16:

Search [SP]: device of braille input and output the present invention relates to a braille input and output device which recognizes a normal word transmitted from the outside as braille by a tactile sense of a person and converts a braille input through an input key assembly into a normal word to wirely or wirelessly transmit the normal word. according to the present invention, the braille input through the input key assembly is reversely translated into the normal word or the normal word which is transmitted from a wirelessly connected external apparatus is translated into braille so that information which is input as the braille is translated into the normal word to be transmitted to the external apparatus. further, according to the present invention, a signal which is input as a braille through the input key assembly is converted into a command which performs a predetermined function or an abbreviation obtained by abbreviating a word to be recognized by tactile sense or auditory sense of a user so that a lot of braille information may be embossed on a braille display module which is restrictedly output. (Results 10)

Search SFT=(braille and space* and keyboard and perkins) (Results 22)

18:

Search PN=(KR101838690) (Results 1)

19:

Search [SP]: braille information terminal disclosed is a braille information terminal having a braille display function. the braille information terminal comprises: a braille display unit including braille cells having respectively a plurality of braille pins a driving unit changing an arranging pattern of the braille pins and a sub-controller which detects frequency change from a monitoring signal applied to each braille cell depending on blackout capacity change of any one braille cell in the braille cells and outputs signals depending on the an input detection in the braille display unit. (Results 3)

Search SFT=(braille and keyboard and wireless) (Results 1849)

21:

Search SFT=(braille and keyboard and wireless and delete and spacebar) (Results 4)

22:

Search SFT=(braille and wireless and delete and spacebar) (Results 4)

23:

Search SFT=(braille and wireless and spacebar) (Results 19)

24:

Search [SP]: fig. 1 is a schematic perspective view of a single-unit portable braille device in accordance with an embodiment. fig. 2 is a top plan view of the single-unit portable braille device of fig. 1. fig. 3 is a schematic functional block diagram of the single-unit portable braille of fig. 1. figs. 4a and 4b are schematic perspective views of a single-unit portable braille device in accordance with another embodiment, wherein the portable braille device includes a typing cover pivotally mounted to the housing and provided with a physical keyboard. in fig. 4a, the typing cover is disposed over and in contact with the touch-sensitive surface in a typing position. in fig. 4b, the typing cover is pivoted at an

angle away from the touch-sensitive surface in a non-typing position. fig. 5 is a schematic perspective view of a single-unit portable braille device in accordance with another embodiment. fig. 6 is a schematic perspective view of a single-unit portable braille device of fig. 1, illustrating a mode of operation of the portable braille device wherein the touch-sensitive surface is configured to implement a non-braille virtual keyboard. (Results 73)

Search 25 and braille (Results 63)

26:

Search 26 and wireless (Results 29)

27:

Search (Results)

28:

Search SFT=(braille and wireless and spacebar and (button* or key*)) (Results 19)

29:

Search [SP]: portable device with virtual tactile keyboard and refreshable braille display a single-unit portable braille device is provided that can include a housing and a touch-sensitive surface provided on the housing and configured to implement a virtual braille keyboard including a plurality of virtual keys each associated with a key location on the touch-sensitive surface. the virtual braille keyboard is configured for entry of input braille data from a user contacting the touch-sensitive surface at one or more of the key locations. the portable braille device also includes a refreshable braille display provided on the housing and configured for outputting output braille data for tactile reading by the user, and a processing unit in the housing and configured to receive the input braille data from the touch-sensitive surface and to transmit the output braille data to the refreshable braille display. in some implementations, the portable braille device includes a visual display located under the touch-sensitive surface. (Results 73)

Search 30 and braille (Results 63)

31:

Search SFT=(braille and wireless and spacebar and delete) (Results 4)

32:

Search (Results)

33:

Search SFT=(braille and (wireless or bluetooth) and space* and delete) (Results 305)

34:

Search SFT=(braille and perkins and vibrator) (Results 2)

35:

Search SFT=(braille and perkins and vibrat*) (Results 9)

36:

Title: PORTABLE DEVICE WITH VIRTUAL TACTILE KEYBOARD AND REFRESHABLE BRAILLE DISPLAY

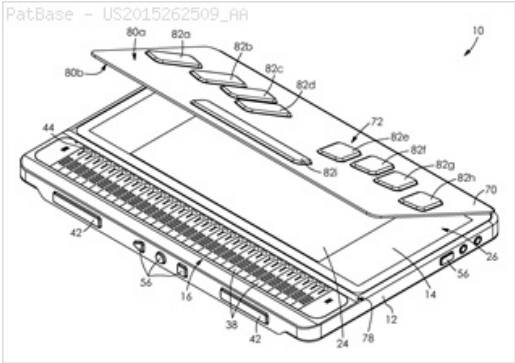
Abstract: A single-unit portable Braille device is provided that can include a housing and a touch-sensitive surface provided on the housing and configured to implement a virtual Braille keyboard including a plurality of virtual keys each associated with a key location on the touch-sensitive surface. The virtual Braille keyboard is configured for entry of input Braille data from a user contacting the touch-sensitive surface at one or more of the key locations. The portable Braille device also includes a refreshable Braille display provided on the housing and configured for outputting output Braille data for tactile reading by the user, and a processing unit in the housing and configured to receive the input Braille data from the touch-sensitive surface and to transmit the output Braille data to the refreshable Braille display. In some implementations, the portable Braille device includes a visual display located under the touch-sensitive surface.

Classifications:

International (IPC 8-9): G09B21/00 G09B21/02 (Advanced/Invention)

CPC: G09B21/004 G09B21/006 G09B21/025

US: 434/113



Family:

Publication number	Publication date	Application number	Application date
US2015262509 AA	20150917	US20150643919	20150310
US9965974 BB	20180508	US20150643919	20150310

Priority:

US20140951027P 20140311 US20150643919 20150310

Probable Assignee: TECHNOLOGIES HUMANWARE INC

Assignee(s): (std): TECH HUMANWARE INC ; TECHNOLOGIES HUMANWARE INC

Assignee(s): LB2 DESIGN INC

Inventor(s): (std): BLANCHETTE LUC ; BOURQUE GEORGES ; LABBE DOMINIC R ; LAPOINTE ERIC ; MCKENZIE FAUCHER SEBASTIEN ; SANTERRE GUY ; STILSON GREGORY

Agent(s): HOVEY WILLIAMS LLP

Title: TEXT-TO-TOUCH TECHNIQUES

Abstract: Text-to-touch techniques, in accordance with embodiment of the present technology, include apparatuses and methods for receiving content including textual portions and non-textual portions. The textual portions include letters, select words, numbers and punctuation having recognized **Braille** codes. The non-textual portions may include metadata, graphics, formatting, decorations, hyperlinks, radio buttons, submit buttons, check boxes, windows, icons, fields and/or the like. The systems and methods convert the textual portion to **Braille** codes and select non-textual portions to haptic feedback. The **Braille** code may then be output to a user. In addition, the haptic feedback associated with various **Braille** codes may also be output to the user along the associated **Braille** codes.

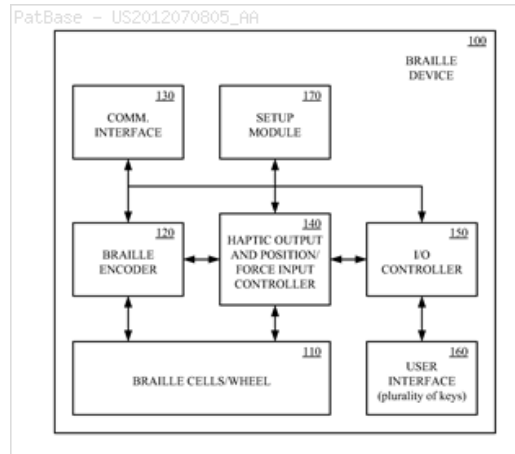
Classifications:

International (IPC 8-9): G09B21/00 (Advanced/Invention)

CPC: G09B21/004 G09B21/005

European: G09B21/00B35

US: 434/114 434/114P



Family:

Publication number	Publication date	Application number	Application date
CN103098113 A	20130508	CN201180043756	20110921
CN103098113 B	20160803	CN201180043756	20110921
US2012070805 AA	20120322	US20100887478	20100921
US9691300 BB	20170627	US20100887478	20100921
WO12040365 A1	20120329	WO2011US52613	20110921

Priority:

US20100887478 20100921 WO2011US52613 20110921

Probable Assignee: SONY CORP

Assignee(s): (std): SONY CORP ; WONG LING JUN ; XIONG TRUE

Inventor(s): (std): WONG LING JUN ; XIONG TRUE

Agent(s): JOHN L; GASH ERIC J

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

Abstract: An electrically-assisted mechanical **Braille** writer includes a main solenoid to apply force to emboss **Braille** onto a printing medium, and advance an embossing mechanism to the next cell. A second solenoid engages a mechanical stop to prevent one or more embossing keys from being fully depressed, to prevent kickback from the keys mechanically coupling to the main solenoid. In unpowered operation, the mechanical stop is disengaged, and the embossing keys may be fully depressed to apply force to emboss **Braille** and advance the embossing mechanism. Accordingly, with electrical power, the user may supply a lesser amount of force and still fully emboss **Braille** cells, while without electrical power, the **Braille** writer remains fully operational.

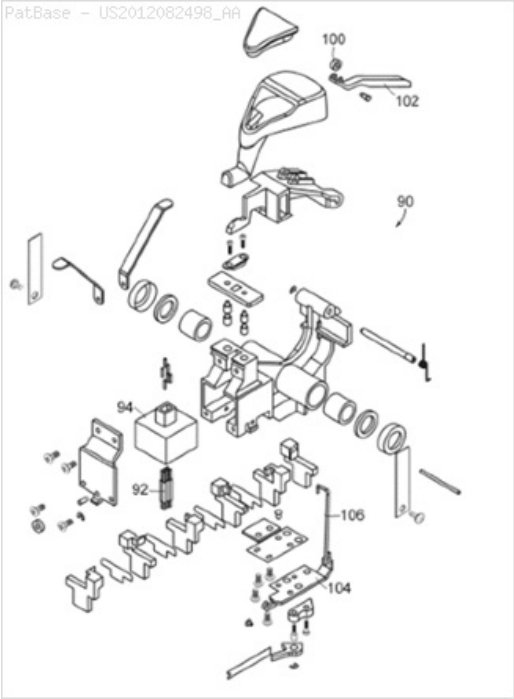
Classifications:

International (IPC 8-9): B41J3/32 G06F3/02 (Advanced/Invention)

CPC: B41J3/32 G06F3/02

European: B41J3/32

US: 1/1 400/109.1 400/109.100P 400/391.4 400/472 400/477 400/483



Family:

Publication number	Publication date	Application number	Application date
US2012082498 AA	20120405	US20110204394	20110805
US2014334861 AA	20141113	US20140445731	20140729
US8821049 BB	20140902	US20110204394	20110805
US9375947 BB	20160628	US20140445731	20140729

Priority:

US20100390139P 20101005 US20110204394 20110805 US20140445731 20140729

Probable Assignee: PERKINS SCHOOL FOR BLIND

Assignee(s): (std): JONAS JUDE ; PERKINS SCHOOL FOR BLIND ; PERKINS SCHOOL FOR THE BLIND ; SCHMIDT MICHAEL

Inventor(s): (std): JONAS JUDE ; SCHMIDT MICHAEL

Agent(s): FOLEY AND LARDNER LLP; DANIEL E; JOHN D; DANIEL

Title: METHODS, SYSTEMS, AND APPARATUSES TO CONVEY CHORDED INPUT

Abstract: Disclosed herein are methods, systems, computer readable media, and apparatuses for conveying chorded input to a user. Chorded input can be conveyed by one or more sequences of stimulation events, wherein each sequence represents a particular chorded input.

Classifications:

International (IPC 8-9): G09B19/00 G09B21/00 (Advanced/Invention)

CPC: G09B19/00 G09B21/003 G09B21/00 G09B21/001 G09B15/00

US: 434/113

PatBase - US2015310762_AA



Family:

Publication number	Publication date	Application number	Application date
US2015310762 AA	20151029	US20150700102	20150429

Priority:

US20140985519P 20140429 US20150700102 20150429

Probable Assignee: GEORGIA TECH RESEARCH CORP

Assignee(s): (std): GEORGIA TECH RES INST

Assignee(s): GEORGIA TECH RESEARCH CORP ; NATIONAL SCIENCE FOUNDATION

Inventor(s): (std): SEIM CAITLYN ; STARNER THAD EUGENE

Title: DETACHABLE SENSORY-INTERFACE DEVICE FOR A WIRELESS PERSONAL COMMUNICATION DEVICE AND METHOD

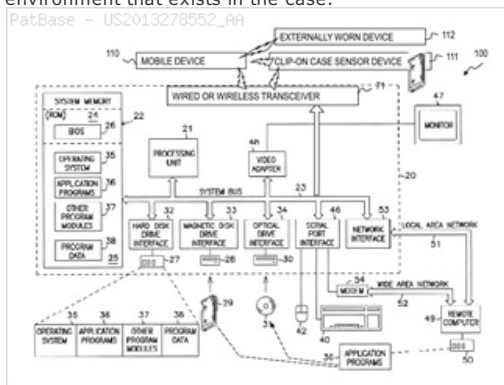
Abstract: A system and method that utilizes a protective sensor-interface apparatus, which removably connects and interfaces to a mobile electronic device, enabling users to more readily access and engage mobile content and data. The present invention provides a method and device wherein the user interfaces with digital content by using touch-sensitive areas on the back and sides of a protective case that interfaces with the mobile device, the software application and other users. This enables additional features that can be customized by users and developers for enhanced sensory experiences and digital rights management by creating components of a separate environment that exists in the case.

Classifications:

International (IPC 8-9): G06F1/16 G06F21/31 G06F3/01 G06F3/041 G06F3/044 G06F3/0488 G09G5/00 (Advanced/Invention)

CPC: G06F1/1626 G06F3/044 G06F3/0416 G06F3/017 G06F3/016 G06F21/31 G06F1/169 G06F3/04883 G09G5/006 G06F1/1632 G06F2203/04809 H04M2250/22 G06F2200/1633 G06F2203/0339 G06F3/03547

US: 1/1 345/173 345/174



Family:

Publication number	Publication date	Application number	Application date
US2013278552 AA	20131024	US20130844067	20130315
US2015103018 AA	20150416	US20130396050	20130423
US9122456 BB	20150901	US20130396050	20130423
US9285840 BB	20160315	US20130844067	20130315
WO13163233 A1	20131031	WO2013US37867	20130423

Priority:

US20100401765P 20100819	US20120687293P 20120423	US20120494004 20120611
US20130844067 20130315	US20130814336P 20130421	US20130396050 20130423
WO2013US37867 20130423		

Probable Assignee: CANOPY CO INC

Assignee(s): (std): CANOPY CO INC ; KAMIN LYNDGAARD ANDREW C ; SADLER PAUL ; SADLER PAUL J

Assignee(s): STAMER MICHAEL S ; CANOPY CO

Inventor(s): (std): KAMIN LYNDGAARD ANDREW C ; KAMIN LYNDGAARD ANDREW CHARLES ; SADLER PAUL ; SADLER PAUL J

Agent(s): JONATHAN M; LEMAIRE PATENT LAW FIRM PLLC; CHARLES A; LEMIARE PATENT LAW FIRM PLLC; LEMAIRE CHARLES A 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 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: MATERIAL FOR DISSIPATING HEAT FROM AND/OR REDUCING HEAT SIGNATURE OF ELECTRONIC DEVICES AND CLOTHING

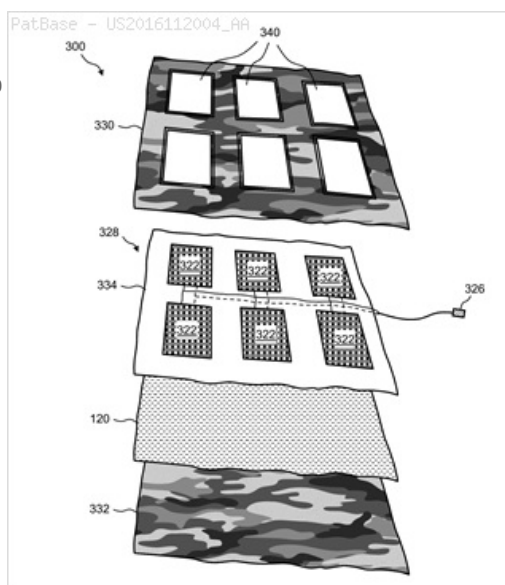
Abstract: A material for dissipating heat from and/or reducing the heat signature of electronic devices and clothing is disclosed. In one example, a heat-dissipating and/or heat signature-reducing layer is sandwiched between two substrates, wherein the substrates may be flexible, rigid, or a combination of both flexible and rigid. Further, examples of the heat-dissipating and/or heat signature-reducing layer include anti-static, anti-radio frequency (RF), anti-electromagnetic interference (EMI), anti-tarnish, and/or anti-corrosion materials.

Classifications:

International (IPC 8-9): A41D1/00 A41D1/04 A41D13/015 A45C11/00 A45C13/10 A45F5/02 H01L31/048 H01M10/04 H01M10/052 H01M10/42 H01M10/44 H01M10/48 H01M2/04 H01M2/10 H01M2/26 H01R13/52 H02B1/26 H02J7/00 H02S30/20 H02S40/42 H04L29/04 H05K1/18 H05K5/06 H05K7/14 H05K7/20 H05K9/00 (Advanced/Invention)

CPC: H02S40/42 H01L31/048 H02S30/20 Y02E10/50 H01M2/1094 H01M2/1022 H01M2220/30 B32B15/14 B32B2250/40 B32B2307/30 H01M2/1061 A41D1/002 A41D1/04 A41D13/015 H01M2/1016 A45C11/00 A45C13/10 H01M10/04 H01M10/052 H05K1/181 H05K5/06 G06F2213/0042 H01M10/448 H05K9/0007 A45F2005/023 A41D1/005 A41D27/205 A45C3/001 A45C13/08 A45C13/36 A45C2013/306 A45F5/02 H01M2/26 H02J7/0042 H01M10/425 H01M10/488 H02J7/0031 H02J2001/008 H02J7/0068 H01R13/5213 H01M2010/4271 H01M2010/4278 H02J7/0047 H01R24/64 H01R2107/00 A45C15/00 A45C2005/037 H05K7/1492 H01M2/0482 H01M2/0404 H04L29/04 H02B1/26

US: 136/246 165/185



Family:

Publication number	Publication date	Application number	Application date
US2016112004 AA	20160421	US20140516127	20141016
US2017229692 AA	20170810	US20170470382	20170327
US2018053919 AA	20180222	US20170720270	20170929
US2018062197 AA	20180301	US20170664776	20170731
US2018102518 AA	20180412	US20170836259	20171208
US2018102656 AA	20180412	US20170836299	20171208
US2018168065 AA	20180614	US20180886351	20180201
WO16061508 A1	20160421	WO2015US56024	20151016

Priority:

US20140516127 20141016	US20140520821 20141022	US20170470382 20170327
US20170664776 20170731	US20170720270 20170929	US20170836259 20171208
US20170836299 20171208	US20180886351 20180201	

Probable Assignee: LAT ENTERPRISES INC D B A MEDIPAK ENERGY SYSTEMS

Assignee(s): (std): LAT ENTPR INC D B A MEDIPAK ENERGY SYSTEMS ; LAT ENTPR INC D B A MEDIPAK ENERGY SYSTEM

Assignee(s): LAT ENTERPRISES D B A MEDIPAK ENERGY SYSTEMS ; LAT ENTERPRISES INC ; LAT ENTERPRISES INC D B A MEDIPAK ENERGY SYSTEM ; LAT ENTERPRISES INC D B A MEDIPAK ENERGY SYSTEMS

Inventor(s): (std): CID CARLOS ; THIEL LAURA ; URZI GIANCARLO

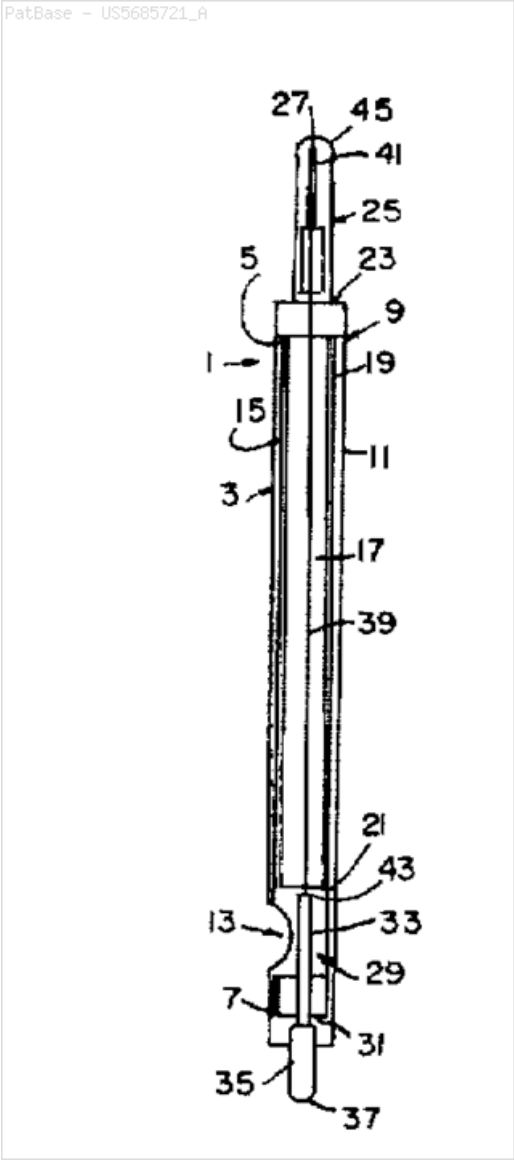
Agent(s): CHILDERS JEFFREY W

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: Refreshable **braille**-cell display implemented with shape memory alloys

Abstract: A refreshable **braille** cell display uses a single moving part per tactile element. Tactile elements, formed from stainless steel tubing, are assembled in densely arranged modules. Lower ends of the tactile elements extend beneath the modules and are in contact with a pressurized medium. Shape memory alloy actuators are positioned in the tactile elements, isolated from any motion or flow in the pressurized medium. When a pressurized medium is delivered through a port in a tactile element, the actuator extends upward, thereby forcing the upper portion of the tactile element through a hole in the user contact surface. In that state the tactile element indicates information. When the tactile element is activated, current flows from an electrical contact at the lower end of the tactile element, through the actuator, and into the outer tube of the tactile element. The actuator heats, due to electrical resistance, contracts and exerts a downward force on the pressure medium. The upper portion of the tactile element is drawn below the user contact surface, indicating the absence of information. Distributed pulse width modulation allows instantaneous power requirements to be minimized, and only low safe voltages are needed to operate the array. By applying a bias force to all actuators via a common reservoir of either pneumatic or hydraulic pressure, the design is simplified, and reliability is increased. When integrated with a computer, the refreshable tactile array of elements gives users access to full computer generated screens of text and graphical information in real time.

Classifications:
International (IPC 8-9): G09B21/00 (Advanced/Invention);
G09B21/00 (Core/Invention)
International (IPC 1-7): G09B21/00
CPC: G09B21/003
European: G09B21/00B3
US: 434/114



Family:

Publication number	Publication date	Application number	Application date
CA2216340 AA	19990324	CA19972216340	19970924
US5685721 A	19971111	US19950553987	19951106

Priority:

US19950553987 19951106 CA19972216340 19970924

Probable Assignee: AMERICAN RESEARCH OF VIRGINIA CORP

Assignee(s): (std): AMERICAN RES CORP VIRGINIA

Assignee(s): AMERICAN RESEARCH CORP ; AMERICAN RESEARCH OF VIRGINIA CORP ; DECKER LAWRENCE H

Inventor(s): (std): DECKER LAWRENCE H

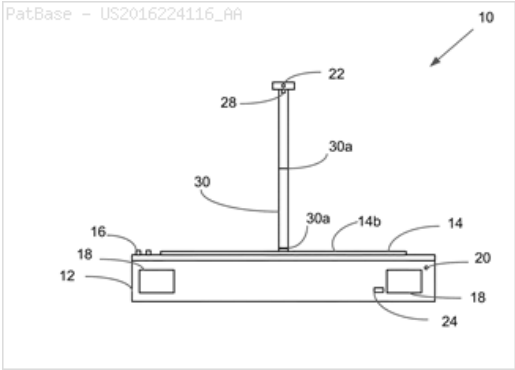
Agent(s): R WILLIAM WRAY AND ASSOCIATES

Title: SYSTEMS AND METHODS FOR NON-VISUAL SPATIAL INTERFACING WITH A COMPUTER

Abstract: A device and method for operating a computer system without sight to explore and edit spatially portrayed data represented in a tactile format is described. Specifically, the system includes a work surface having a plurality of actuatable magnets located below the work surface. When a magnet is actuated, the magnetic field emitted from the magnet is detectable above the work surface. The presence or absence of magnetic fields above the work surface represents spatial data from the computer. The user receives the spatial data by moving a metallic implement along the work surface to detect the presence or absence of magnetic fields in various locations on the work surface. Specifically, the actuatable magnets are permanent magnets having linear actuators or servo motors for moving the magnet closer to the work surface, thereby actuating the magnet.

Classifications:

International (IPC 8-9): G06F3/00 G06F3/01 G06F3/0354 G06F3/14 G06F3/16 G09B21/00 G09G3/00 G09G5/12 (Advanced/Invention)
CPC: G09B21/003 G06F3/033 G09G5/00 G06F3/167 G06F3/017 G06F3/14 G09G3/003 G09G5/12 G06F3/016 G06F3/03545 G06F2203/0331 G09B21/004 G09B21/008
US: 715/702



Family:

Publication number	Publication date	Application number	Application date
US2016224116 AA	20160804	US20160097325	20160413
WO15054789 A1	20150423	WO2014CA50997	20141016

Priority:

US20130892953P 20131018 WO2014CA50997 20141016 US20160097325 20160413

Probable Assignee: HAGEDORN DOUGLAS

Assignee(s): (std): HAGEDORN DOUGLAS

Inventor(s): (std): HAGEDORN DOUGLAS

Agent(s): ROACH MARK ET AL

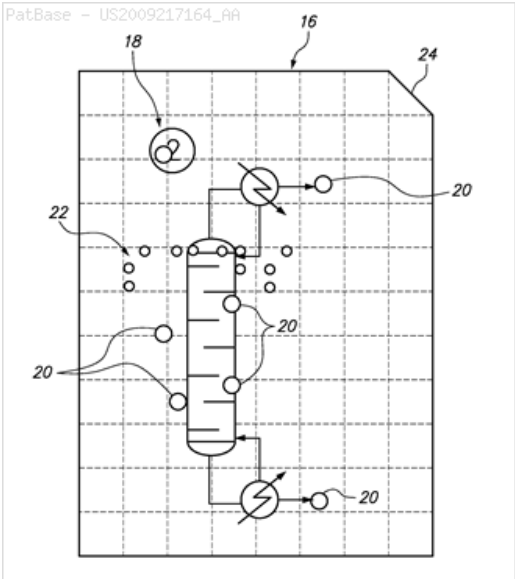
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX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

Abstract: A user interface for software applications enables the full use of graphical user interface (GUI) software, particularly engineering design software, by visually impaired individuals. The interface combines tactile representations of graphical elements, non-visual cues, and a hardware element to allow the effective placement and interconnection of graphic elements using design software.

Classifications:

International (ipc 8-9): G06F3/01 (Advanced/Invention);
G06F3/00 (Advanced/Non-invention);
G06F3/01 (Core/Invention)
CPC: G06F3/016 G06F3/041 G09B21/003
European: G06F3/01F G06F3/041 G09B21/00B3
US: 434/112 715/702 715/702P 715/751 715/752 715/753 715/755
715/865 715/865S



Family:

Publication number	Publication date	Application number	Application date
US2009217164 AA	20090827	US20080269965	20081113
US8201090 BB	20120612	US20080269965	20081113

Priority:

US20070002873P 20071113 US20080269965 20081113

Probable Assignee: BOARD OF TRUSTEES OF UNIV OF ARKANSAS

Assignee(s): (std): BEITLE ROBERT R ; CHEUNG H MICHAEL ; ROMNEY NOEL ; SETZER STEVEN ; UNIV ARKANSAS
Assignee(s): THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ARKANSAS ; OF AKRON UNIV ; BOARD OF TRUSTEES OF UNIV ; BOARD OF TRUSTEES OF UNIV OF ARKANSAS

Inventor(s): (std): SETZER STEVEN ; ROMNEY NOEL ; CHEUNG H MICHAEL ; BEITLE ROBERT R

Agent(s): J CHARLES DOUGHERTY; J CHARLES