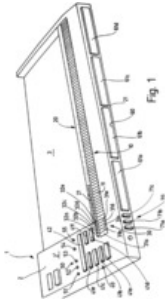
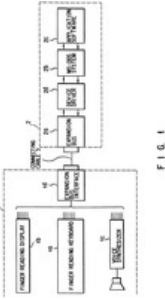
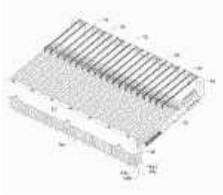
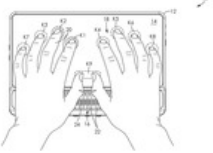
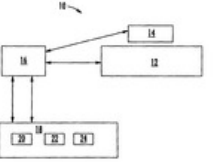
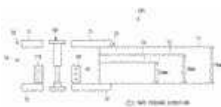
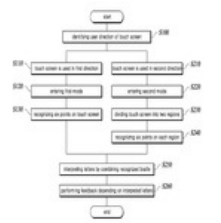
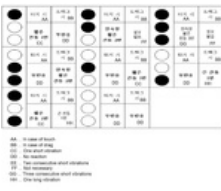
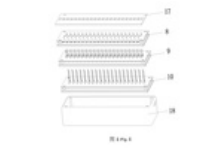
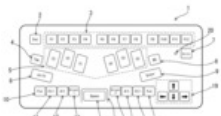
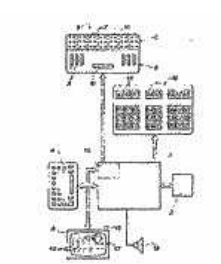
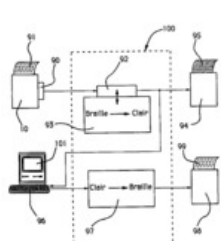
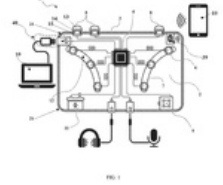
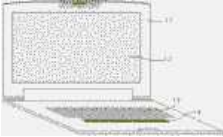
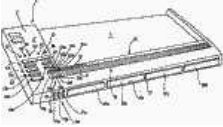
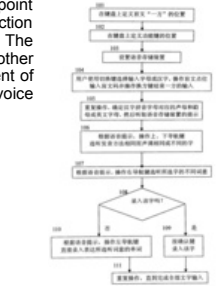
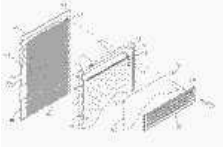
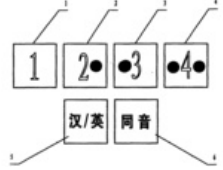
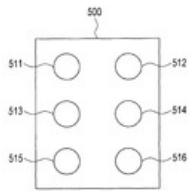
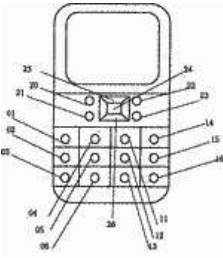
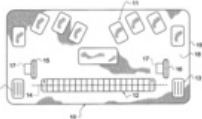
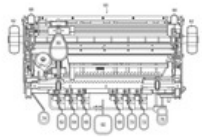
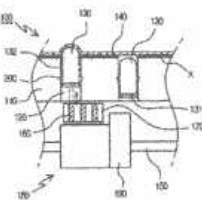
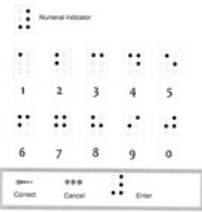


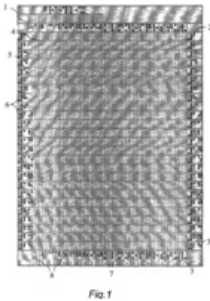
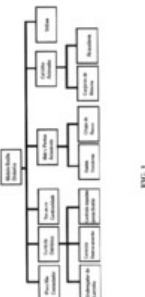
1332 results for (braille and keyboard and six)/AB/IW/CLMS/DESC/ODES/KEYW/TI/TX - Collection: FAMPAT

#	 Title	Publication number	1st app. date	Applicant/Assignee		
1.	 Method and device for the control of braille elements in a braille field	WO9715036	1996-10-12	KOMMUNIKATIONS TECHNIK STOLPER KTS KOMMUNIKATIONSTECHNIK* KTS KOMMUNIKATIONSTECHNIK FUER	100 %	
The invention relates to a device for controlling the position of Braille pins (11a-11h) of at least one Braille element (11) of a Braille field (10) which has control means (100) with a storage component (101) and a processor unit (105), which is connected to the Braille field (10) by way of a control line (110) for transmitting control signals (SB) which control the position of the Braille pins (11a-11h) of the Braille elements (11) in the Braille field (10), and which has a control keyboard (20) having a number of m function keys (21) and connected to the control means (100) by way of another control line (120) which can be used to transmit to the processor unit (105) the command signals (BE) triggered by actuation of at least one of the m function keys (21) of the control keyboard (20). The invention provides that a number of s command sets can be stored in the storage component (101) of the control means (100) and are used to allocate a defined key assignment to each ms of the m function keys (21) of the control keyboard (20); that the device (1) has a selection keyboard (40) with at least one selection key (41-41e; 42); that a command signal (BA) transmittable to the processor unit (105) can be produced by actuating at least one of the selection keys (41a-41e; 42) and the command signal can be used to load the command set which is allocated to the actuated selection key(s) (41a-41f; 42) of the selection keyboard (40) with the result that a command signal (BS, BA) triggered by actuation of at least one of the m function keys (21) of the control keyboard (20) initiates the execution of the function, currently correlated with the actuated function key (21), of the particular one, loaded in the processor unit (105), of the ms command sets stored in the storage component (101), and that the processor unit (105) produces a control signal for the Braille pins (11a-11h) of at least one of the Braille elements (11) in the Braille field (10), which signal is correlated with the result of the function execution thus initiated. 						
2.	 Cubreteclado that adapts the computer keyboard to write in braille.	ES2413180	2010-05-26	UNIVERSIDAD DE ALCALA*	99 %	
Cubreteclado that adapts the computer keyboard to write in braille. It is trained by a housing (9) that hides to the letters and the numbers of the alphanumeric keyboard, six or eight bellboys (10) supported on the suitable bellboys of the keyboard, and elements of subsection (11) to maintain the cubreteclado one in the suitable position. It is possible to be adapted for being used on different types from keyboard. It Allows to use all the functions of the keyboard that correspond with the keys noncovered, only replacing the alphanumeric part of the keyboard. It Allows the user to write in Braille in any computer with the cubreteclado one, without having to use another specific peripheral device. Braille can be used with applications that are controlled with the keyboard, or with an own application (WriteBraille) that facilitates the writing, for example, to children that needs to abstract the keyboard or with problems to press the keys simultaneously.						
3.	 Braille reading display terminal device	EP0529586	1991-08-26	KGS* NEC*	99 %	
The present invention relates to a braille reading display terminal device in which a braille reading input/output unit 1 is connected to a host computer 2 through an expansion bus 2a, an expansion bus interface 1d is interposed between the input/output sections of the braille reading input/output unit 1 and the expansion bus 2a, and unit input/output elements of the input/output sections 1a to 1c are accessed or controlled through the expansion bus 2a based on software 2b and 2d. <IMAGE> 						
4.	 Braille display device and method of constructing same	US7367806	2004-09-17	AMSOUTH BANK FREEDOM SCIENTIFIC* FREEDOM SCIENTIFIC BLV FREEDOM SCIENTIFIC HOLDINGS FSI MERGER SUB T B K A FREEDOM SCIENTIFIC	99 %	
Disclosed is a Braille display device. The device supports an array of individual Braille cells with corresponding tactile pins. The pins can be selectively lifted by way of reeds to generate Braille characters that can be felt by the user. The Braille characters can correspond to visible characters, such as characters on a computer screen. The display is refreshable to allow for the sequential display of lines, paragraphs or pages. In accordance with the disclosure, the Braille cells are constructed in a manner that minimizes manufacturing costs and that also permits the size of the display to be greatly reduced. 						
5.	 Dynamic calibrating of a touch-screen-implemented virtual braille keyboard	US20160034180	2015-06-29	ESSILOR INTERNATIONAL TECHNOLOGIES HUMANWARE*	99 %	
A computer-implemented method for dynamically calibrating a virtual Braille keyboard implemented on a touch screen is provided. The virtual Braille keyboard includes a plurality of virtual keys each associated with a corresponding finger of a user and with a variable key location on the touch screen. The method includes detecting typing events, each involving one or more of the fingers of the user contacting the touch screen at corresponding touch locations and defining one or more active fingers for the typing event. The method also includes updating, in real-time, the variable key location of the virtual key associated with each active finger in view of the corresponding touch location detected during a current one of the typing events. A computer-implemented method for reinitializing a calibration of a virtual Braille keyboard for a single one of the two hands of a user is also provided. 						
6.	 Multimodal electromechanical system for basic education of the braille.	ES2397880	2010-05-26	UNIVERSIDAD DE ALCALA*	99 %	
Multimodal electromechanical System for basic education of the Braille. It Includes an unit process (9) with an installed own application, a system of conventional visualization (10), conventional systems of entrance (11), cubreteclado that adapts the keyboard to write in Braille (12), a system of pick up of signals of audio (13), a system of exit of audio (14), a Perkins keyboard (15), a system of entrance of macrotypes Braille (signs Braille of great size) (16), a system of exit of macrotypes Braille in relief (17) and a system of visualization of data Braille (18). The application consists of a series of exercises for the education of the basic Braille. The system is multimodal: it has great flexibility of entrance and conventional exit (audio, Braille and methods), it can adapt to the needs of each user and stores his results. It Can be used by any person interested in learning Braille (it has visual deficiencies or not).						
7.	 Braille music systems and methods	WO2007092479	2007-02-05	MACHELL LYDIA	99 %	
Methods and systems for converting digital music scores to Braille, and vice versa, and for creating Braille and digital music scores directly from music keyboard entry. The system and methods are embodied in computer programs which can extract note data from a digital score or Midi file, and correlate the note data with Braille cell data in a computer processor. A digital Braille score is created from the Braille cell data, and can be output as an embossed score, as a printed simulated Braille score or on a refreshable Braille display. The computer programs can also create digital scores from input Braille scores. Hardware components can include a music keyboard having a processor, a digital storage device and an integrated refreshable Braille display. 						

8.	Information processing apparatus with display for ink-characters and braille , information processing method and program	CN1827384	2005-03-02	KING JIM* SEIKO EPSON*	99 %
There is provided an information processing apparatus previewing on a display screen ink-character information and braille information which are printed and embossed on the same process sheet, the apparatus including: an ink-character previewing device for previewing the ink-character information; a braille previewing device for previewing the braille information; and a preview switching device controlling the ink-character previewing device and the braille previewing device and capable of selectively switching a display mode among a display of only the ink-character information, that of only the braille information, and that of the ink-character information and the braille information when printing and embossing operations are performed in a manner in which the ink-character information and the braille information are at least partially overlapped with each other on the process sheet.					
9.	Touch screen device having braille support function and control method therefor	WO2016039538	2015-08-25	CHOI HAN SOL;CUI HANLÜ	99 %
The present invention relates to a touch screen device having a braille support function and a control method therefor, the touch screen device comprising: a touch screen for sensing a touch location of a user; and a control unit for entering into a first mode or a second mode according to the direction of use of the touch screen, identifying the touch screen as a one dot cell if the control unit enters the first mode, and identifying the touch screen as two dot cells if the control unit enters the second mode, thereby receiving braille according to the touch location of the user. Therefore, six dots of braille can be easily and correctly inputted, and abbreviations and symbols of a 12 dot system can also be inputted on the touch screen.					
10.	Vibrational braille system and method for implementing vibrational braille on basis of touchscreen	KR101848184	2016-12-28	KOREA UNIVERSITY INDUSTRIAL & ACADEMIC COLLABORATION FOUNDATION*	99 %
According to one embodiment of the present invention, a vibrational braille system applicable to a touchscreen-based electronic device comprises: a matching unit in which a vibration pattern source corresponding to braille including six dots, which are deciphered in order from first to third rows of a first column and then first to third rows of a second column, is preset and a file text is matched with the vibration pattern source when the electronic device recognizes the file text; a vibration unit for outputting vibrations according to the vibration pattern source to a touchscreen; and a motion detection unit for detecting a first touch motion according to a contact with the touchscreen and a second touch motion consecutive to the first touch motion, wherein the first touch motion is a motion for detecting the presence/absence of a dot on the first row of the braille according to the presence/absence of vibrations during contact with the touchscreen, the second touch motion is a motion for detecting the presence/absence of dots on the second and third rows of the braille according to the presence/absence of vibrations, the length of vibrations, and the frequency of vibrations during contact with the touchscreen, and it is preferable that the vibration pattern source is a vibration signal which, according to a braille interpretation order, vibrates when a dot exists on a corresponding point, does not vibrate when no dot exists on the corresponding point, vibrates as short as the number of consecutive dots when the consecutive dots exist on a corresponding point, and vibrates long when a corresponding point is the third row, a dot exists on the third row and a dot does not exist on the second row.					
11.	Layered electromagnetic braille display device and braille reading machine	WO2016074170	2014-11-12	ZHEJIANG UNIVERSITY OF SCIENCE AND TECHNOLOGY*	99 %
A layered electromagnetic Braille display device and a Braille reading machine. The Braille display device comprises three layers of Braille display modules (8, 9, 10) and a touch pad (17). Each layer of Braille display modules (8, 9, 10) comprises five plates and multiple contact driving mechanisms for driving Braille contacts (7) to rise and reset. The touch pad (17) is provided with one or multiple rows of Braille units, and each row of Braille units comprises multiple Braille units displaying Braille characters. A microprocessor is connected to a Braille translation and conversion module, a voice play module and a contact controller, and the contact controller is connected to the Braille display device to form the Braille reading machine. The Braille display device can display one or multiple rows of Braille characters by using the working principle of electromagnetic induction, and is exquisite in structural design, low in cost, stable in performance and high in reliability; and the Braille can be updated in real time, the Braille display is synchronized with voice play, and the reading and study requirements of the blind can be satisfied.					
12.	Braille keyboard and method for controlling output of keycode	JP2006318211	2005-05-12	YAZAKI*	99 %
PROBLEM TO BE SOLVED: To enable even a visually handicapped person to easily operate a personal computer. SOLUTION: A braille keyboard comprising at least function keys 3 arranged on the upper stage of a keyboard body, six braille inputting keys 5 which are braille keys consisting of six keys arranged on the intermediate stage of the keyboard body, function keys including specific keys for changing the functions of other keys which are arranged on the lower stage of the keyboard body, and function keys including a space key 14 of which functions are already determined is constituted so as to discriminate the input of each key and output a keycode allocated correspondingly to a keycode of a standard keyboard including ten-keys by keying in a combination mode combining braille keys, specific keys and function keys or a braille input mode mainly using braille keys. COPYRIGHT: (C)2007.JPO&INPIT					
13.	Assembly for adapting a tactile braille terminal with short-duration studs to a computer system	FR2600438	1986-06-20	BALIN PHILIPPE* GRUSON ALAIN*	99 %
The invention relates to an assembly for adapting a tactile Braille terminal 5 to an information processing system. The system is likely to comprise at least one visual display screen 3, a memory 2 and a keyboard for control 4 by a non-sighted person, linked to a computer 1. The Braille terminal is linked to the computer 1 and comprises a tactile display assembly 6 and a Braille control keyboard 8. The adaptation assembly comprises an auxiliary control keyboard 16 linked to the computer and allowing a non-sighted person to define an imaginary window 15 which is movable, framable and indexable on each line of the screen, all the characters, signs or cursor contained in this window, as well as the co-ordinates of the window, appearing on the tactile display assembly 6. The memory 2 contains, in addition to the usual processing programs, programs for managing the tactile terminal and the auxiliary keyboard. Application to the use of an information processing system, normally used by a sighted person, by a non-sighted person. <IMAGE>					
14.	Device for bidirectional transcoding of braille writing/writing in clear, especially for communication between the sighted and non-sighted	FR2667186	1990-09-21	BONDER GILLES;NARVOR LOIC	99 %
The field of the invention is that of communication between the sighted and non-sighted. More precisely, the present invention relates to a device for transcoding of Braille writing/writing in black, intended to provide for communication between a Braille keyboard (10) and a black terminal such as a black printer (94) and/or a visual display screen (101), characterised in that it comprises: - means of detecting specific codes composed on the said Braille keyboard, and corresponding to commands for specific functions for text enhancement; - means (93) for transcoding the said specific codes into control codes for changing the character font for the said black terminal (94, 101). <IMAGE>					

15.	Device for writing braille	WO2018025182	2016-08-01	CENTRAL SOUTH UNIVERSITY*	99 %
The present invention corresponds to a device for writing Braille comprising a casing with a front side and a top surface adjacent to the front side that includes a processing unit provided inside the casing. In addition it has six front buttons located on the front of the casing, each button being connected to the processing unit. The device also has a button-positioning mechanism located on the front of the casing and connected to the front buttons. This positioning mechanism allows changing the position of each front button. Furthermore, the device has three top buttons arranged on the top of the casing that are connected to the processing unit. The processing unit receives signals when the front buttons and the top buttons are pressed and sends signals as alphanumeric characters and functions to an external device. In an embodiment of the invention the device includes a vibration mechanism located within the casing, which is connected to the processing unit. In an embodiment of the invention the device for writing Braille can be linked to an external device, for example, a computer, cell phone or tablet.					
16.	A notebook with braille display and a desktop computer connect to keyboard with braille display	KR20090030537	2007-09-20	SILOAM CENTER FOR THE VISUALLY HAN*	99 %
A laptop with a Braille display and a desktop computer connected to a keyboard with a Braille display are provided to easily obtain information for disabled people by using the Braille display and a voice reading function. A Braille display is installed in one side in which a keyboard(13) of a general laptop(11) is positioned. A voice engine extracts a text from a document or an object displayed on a screen of a laptop, converts the text which is chosen by a keyboard or a mouse, and operates a voice reading function to read the chosen text to a user. A program is used to translate the text included in an object or a document into Braille. A Braille display(14) displays the translated text as raised dots.					
17.	Controlling braille elements in braille field	DE19613318	1996-04-03	KOMMUNIKATIONS TECHNIK STOLPER*	99 %
The control device has a memory and a processor unit connected to the Braille field (10) via a control line for transferring control signals for position control of Braille pins of the field. A further control line connects it to a function key field (20) for transfer of instructions corresp. to operation of the function keys. Instruction sets stored in the memory are associated with certain of the function keys. A selection instruction transferred to the processor unit from a selection key field (40) causes an associated instruction set to be loaded for activation by the function keys. The processor unit then generates a corresp. control signal for at least one of the braille elements.					
18.	Braille input method of keyboard , keyboard and mobile phone adopting same	CN101561718	2009-06-05	YANTAI ZHUGE SOFTWARE TECHNOLOGY*	99 %
The invention provides a Braille input method of a mobile phone keyboard, which realizes the Braille input of the mobile phone keyboard by the method that Braille point positions and function operational keys are defined through seven number keys and six function keys on the keyboard and a voice storing device corresponding to the function keys and used for leading the Braille input operation is arranged. The invention also provides a mobile phone keyboard and a mobile phone adopting the input method. The Braille input method, the mobile phone keyboard and the mobile phone adopting the input method have the following advantages of being applied to mobile phones and any other digital products containing number keyboards, without needs for redesigning the structure of the digital products including mobile phones and the like. Due to the arrangement of the function keys and the corresponding voice storing device, the invention can assist blind men in selecting and listening needed words to directly input the words under voice prompts. The method conforms to the input habit of user operation and is easily learned and used with high input speed.					
19.	Device for reading and/or written in braille , and, method for reading and/or written in braille	BRPI1106541	2011-10-07	INSITITUTO FEDERAL DE EDUCACAO CIENCIA E TECNOLOGIA DO CEARA*	99 %
Device for reading and/or written in braille, and, method for reading and/or written in braille. The present invention describes an equipment assistencia optic-mechanic the handicapped appearances which allow the document reading printed or digitized using a cell braille, as well as the document writing. The device still possesses resources of voice sintetizacao to allow the SEM reading domain of the linguaagem braille and conference of typed character to facilitate to the use for handicapped appearances.					
20.	A braille writing apparatus with information processing function	CN1664881	2005-02-28	SHENZHEN WANG LING SCIENCE SHENZHEN WANG LING SCIENCE & TECHNOLOGY DEVELOPMENT* SHENZHEN WANGLING SCIENCE SHENZHEN WANGLING SCIENCE & TECHNOLOGY DEVELOPMENT	99 %
A braille writing apparatus with information processing function, including a braille character motherplate (10) on which are there braille character units (11) arranged in a matrix. Each unit is made up of six salient points or throughholes, and on the left side and the right side of the braille character motherplate are there runners (11) projecting from the plate surface. A subplate can slide along the runners, and plate position marks and line number marks projecting from the plate surface are arranged on the top surface of the runner. On the inside of the runner is there a position mark (30) between any two plate position marks for preventing the subplate moving. On the back of the braille character motherplate is there a braille information processing unit(40), including a circuit boards, a touch switch, a braille touch switch group and an infrared ray emitter. The said unit can connect with desk computer or PDA. Each braille character unit is made up of six throughholes, on the left side and the right side of the braille character motherplate are there runners projecting from the plate surface, and on the back of the braille character motherplate is there a braille information processing unit, which can connect with desk computer or PDA.					
21.	Method for inputting chinese braille syllable and chinese characters for convenient and fast keyboard	CN101620472	2009-08-21	LI LIJUAN	99 %
The invention relates to a method for inputting Chinese braille syllable and Chinese characters for a convenient and fast keyboard, comprising the following steps: step 1, making up a key number corresponding to six-point character of each standard Chinese braille, comprising the following steps: (1) dividing the point location of each character in the braille six-point character sequence; (2) confirming the key mapping sequence corresponding to each character according to three grouped point location types of each six-point character; (3) obtaining the key mapping table corresponding to the six-point character of Chinese Braille based on the third rule; and step 2, inputting according to the key mapping table corresponding to the six-point character. The four keys included on an electronic input keyboard having at least four keys are sequentially provided with protrusion free, a right protrusion, a left protrusion, and left and right protrusions, also provided with Chinese braille or English character, a control key for digital input conversion and a control key for confirming the homophone Chinese character. The invention is adapted to input Chinese Braille and is simple to codeand convenient and fast to input.					

22.	Braille input method and terminal apparatus applying input method	CN103885705	2012-12-21	SAMSUNG ELECTRONICS*	99 %	
An input method usable by a terminal including a touch screen display, identifies first touch input locations on a touch screen. The first touch input locations comprise a predetermined number of concurrent multiple touches. A predetermined number of input buttons comprising a predetermined number of areas on the touch screen are associated with corresponding identified first touch input locations. A touch pattern is detected comprising a second touch input of one or more of the predetermined number of input buttons and an alphanumeric input corresponding to the detected touch pattern is processed.						
23.	Keyboard and braille input method by employing the same	CN102455783	2010-10-30	BYD*	99 %	
The invention discloses a keyboard and a braille input method by employing the same in one embodiment, wherein the conventional 12-key keyboard is divided into two parties, including at least 12 braille input keys: a first key, a second key, a third key, a fourth key, a fifth key, a sixth key, a seventh key, an eighth key, a ninth key, a tenth key, an eleventh key and a twelfth key; and the 12 braille input keys are arranged in three rows and four lines in the form of an array, wherein the first key, the second key, the third key, the fourth key, the fifth key and the sixth key form a rectangle of three rows and two lines on the left side, as the first party; and the seventh key, the eighth key, the ninth key, the tenth key, the eleventh key and the twelfth key form a rectangle of three rows and two lines on the right side, as the second party; in this way, the keys of the conventional keyboard are thoroughly utilized to realize the input of Chinese and English as well as numbers; therefore, the braille input efficiency is improved.						
24.	System for [converso] in real time of the braille for alphanumeric text	BR102012029091	2012-11-14	FUNDACAO SAO PAULO*	99 %	
SYSTEM FOR [CONVERSco] IN REAL TIME OF the BRAILLE FOR ALPHANUMERIC TEXT. Composition for a set of sensors (1) micron [switch] located in a [PCI] (2) lined up with the keyboard keys (3) of the typewriter Braille (4) that pressured, configuring a signal valid Braille, the information [aquisitada] for the sensors (1) is processed for a microcontroller (5) that makes the conversion for alphanumeric language, [passivel] of being made available in digital display (6) or volatile or not volatile memory (7).						
25.	Navigation aid for refreshable braille display and other text processing products for the vision impaired	EP1286323	2002-07-31	FREEDOM SCIENTIFIC* FREEDOM SCIENTIFIC BLV* FREEDOM SCIENTIFIC HOLDINGS* FSI MERGER SUB T B K A FREEDOM SCIENTIFIC*	99 %	
A navigation aid for a refreshable Braille display (12) and similar products for the visually impaired. A navigation wheel (15) is located adjacent at least one end of the refreshable Braille display. Rotation of the wheel by an increment moves the displayed text forward or backward by a predetermined increment, such as by one word, or one line or one paragraph. In a preferred embodiment, the function performed by rotating the wheel can be changed by depressing the wheel. A separate navigation wheel (15,16) may be located at opposite ends of the refreshable Braille display and the two navigation wheels may perform the same or different functions when rotated.						
26.	System and method for capturing and translating braille embossing	WO2011140521	2011-05-06	PERKINS SCHOOL FOR THE BLIND*	99 %	
The present disclosure describes, among other things, a device. The device includes a plurality of sensors, an output system, a processor coupled to the plurality of sensors and the output system, and a memory. The memory stores instructions that, when executed by the processor, cause the processor to receive a signal from the plurality of sensors, interpret the signal as a first Braille cell, and send a signal corresponding to the first Braille cell to the output system.						
27.	A display device of braille points	KR20050034911	2003-10-10	SHIN HYUN OH* Shin Hyun-Oh (I)	99 %	
The present invention relates to a display device of braille points. In the device, a coating layer 40 is formed on the upper surface of a receiving holes 120, a recognition stick 130 is installed in the hole 120 and has a metal plate 130, a guide axis 150 is installed below a base part 110, a header part 180 which has a supporting part 170 having a number of pins 160 therein is installed on the guide axis 50, and a magnetic body 90 is attached to a side of the supporting part 170.						
28.	Device for logging data in braille, corresponding method and corresponding computer program product	CA2810318	2010-10-07	INGENICO* INZHENIKO GRUP	99 %	
The invention relates to a device for logging data in Braille, comprising a touch-sensitive surface. According to the invention, such a device employs: - means for detecting a plurality of pressures on said touch-sensitive surface, said plurality of pressures being intended to form a Braille character; - means for constructing an image formed from the points associated with said plurality of pressures; - means for recognizing said Braille character based on an analysis of said image.						

29.	Device of learning of the language in braille	BR102013025103	2013-09-30	CENTER DE TECNOLOGIA INFORMACAO RENATO ARCHER CTI*	99 %	
Device of learning of the language in braille, developed with materials of low destined cost and mainly to assist it a carrying person of visual deficiency in the learning of the language braille, of easy and efficient form, allowing still its use in playful games of some types. it understands a plain plate (1) endowed with identical cells (2) and in high relief delimited by grooves (3); each cell is endowed with six holes (4) where specific bolts (9) are introduced; columns are foreseen in both the extremities for letters in braille (7) and also for Latin characters (8) in the inferior extremity.						
30.	Portable device optical-mechanic for transcription of texts in audio braille and	BR102012016432	2012-07-03	FUNDACAO CERTI - CENTROS DE REFERENCIA EM TECNOLOGIAS INOVADORAS*	99 %	
PORTABLE DEVICE [OTICO]-MECANICO FOR TRANSCRIPTION OF TEXTS IN AUDIO BRAILLE AND. Characterized to integrate in an equipment a system of photographic capture, picture processing and optical recognition of characters in printed texts for writing and reading for people with visual deficiency through the transcription for the system of characters Braille, by means of a set of cells standard Braille, and conversion in audio, whose weight (it enters 500 to 1.500 grams), dimensions of width (it enters 260 to 360 millimeters), depth (it enters 100 to 300 millimeters) and height (it enters 10 to 40 millimeters) characterize the [portabilidade] of the equipment, I contend the component following: plate of printed circuit with central processing unit, battery of high capacity, embarked, publishing operational system of text, chamber of image capture, software of optical recognition of characters, system of access the [cabeada] net (RJ45), unit of storage type [SSD] ([solid]-state disk drive), audio system of with power between 1 and 3W [RMS], connections of exit auxiliary of audio stereo, connections standard for units of storage of data (USB, [SD] and others), keyboard standard for writing Braille, set of keyboard keys and buttons for navigation, among others, vibratory system, alphanumeric connection with computer, and monitor of [caracters]; possessing module of connection of SEM net wire standard ([e].g. IEEE 802,11, [GSM], WiMax, 3G or 4G) and way of blockade for access the external information (way proves) and security for application in process selective ([e].g.: competitions).						
31.	Method and apparatus for braille input on portable electronic device	EP2211325	2009-01-22	BLACKBERRY*	99 %	
An apparatus (310) for remapping an existing keyboard (216) on a portable electronic device (210) for use by visually impaired users. The apparatus (310) includes an overlay for an existing keyboard (216) of the portable electronic device (210). The overlay (310) may be configured to provide one or more Braille keypads (320, 322) located above input keys (216) on an existing keyboard of the device such that when a key in the Braille keypad sections (320a-f, 322a-f) is pressed, the pressed key (320a-f, 322a-f) contacts and presses one or more input keys (216) located below the pressed Braille key (320a-f, 322a-f). Remapping software or hardware (238, 896) is included for remapping the depressed input keys (216) to a corresponding alpha-numeric character on the device (210).						
32.	Apparatus, device, system and method for active interaction and/or reading and/or writing in braille	BR102012010315	2012-05-02	INSTITUTE FEDERAL DE EDUCACAO CIENCIA & TECNOLOGIA DO CEARA*	99 %	
APPARATUS, DEVICE, SYSTEM AND METHOD FOR ACTIVE INTERACTION AND/OR READING AND/OR WRITING IN BRAILLE. The present invention meets in the field of engineering, computer science and health and describes an apparatus, device, system and method for assistance the handicapped appearances, which allow the reading of documents printed or digitized and/or the writing as well as the active and/or passive interaction with electronic equipment. The present invention still possesses resources to allow the reading of texts for SEM people domain of the language braille and way of [otimizacao] of the reading experience and understands ways for data entry, ways of recognition of characters, ways for conversion of characters in braille for alphabets and alphabets for braille, ways for reading, ways for writing, ways for navigation in the text, ways of interaction between usufructuary and apparatus and ways for interaction between computational system (IS) and peripheral [disposito] (s) (s).						
33.	Device mecatronico and method for generation of characters in braille	BR102016006849	2016-03-29	CLARA IDEIA DESIGN P & D* INSTITUTO NACIONAL DE TECNOLOGIA INT*	99 %	
mecatrônico device and method for generation of characters in braille to present invention deal with a mecatrônico device for generation of characters in braille for installation in tactile displays and other equipment, which serves of component to be integrated to systems assisted for computer, destined to the reading and generation of texts in braille. alternatively, the dispositive allows the construction of simplify versions: (i) to be set in motion of manual form; (ii) for independent functioning of dedicated computer, with priorly recorded contents in the memory of mbd. the device of the invention can also be used in employed portable devices in various environments, or interfaces braille in i finish of interactive communication in internal public environments as schools, urban stations of embarking, equipment, sporting museums, among others, and environments whose circulation of information is interactive or thematic, as for example, congresses and seminaries, events, shows, allowing access to data and information made available in the place or net. the method for the use of the referred to one						