



- (51) International Patent Classification:
A45C 11/00 (2006.01)
- (21) International Application Number:
PCT/US2015/010937
- (22) International Filing Date:
10 January 2015 (10.01.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/926,156 10 January 2014 (10.01.2014) US
61/942,877 21 February 2014 (21.02.2014) US
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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: WEARABLE ELECTRONIC DEVICE

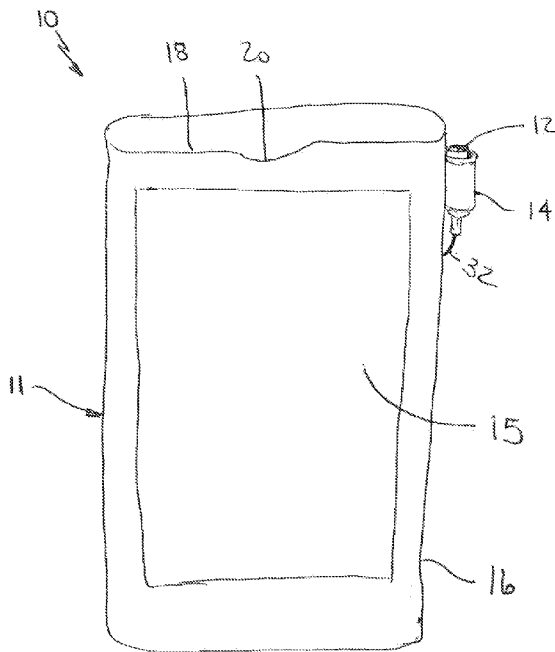
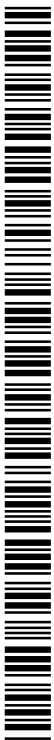


FIG. 1

(57) Abstract: Hands-free electronic devices and electronic functions that can be worn on the surface of the body in a biologically fit manner are described. The embodiments provide a convergence between electronic products, and biological, anatomical, and biomechanical aspects of the human body while providing hands-free and interchangeable wearable electronic apparatuses that can interact with human senses and physiology of a human body in a practical manner.



Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:

3 September 2015

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 813315-31	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/US2015/010937	International filing date (day/month/year) 10 January 2015	(Earliest) Priority Date (day/month/year) 10 January 2014	
Applicant ABREU, MARCIO MARC			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 2 sheets.
 It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed.
- a translation of the international application into _____ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II).

3. **Unity of invention is lacking** (see Box No. III).

4. With regard to the **title**,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the drawings to be published with the abstract is Figure No. 1.

- as suggested by the applicant.
- as selected by this Authority, because the applicant failed to suggest a figure.
- as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2015/010937

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A45C 11/00 (2015.01) CPC - A45C 2011/001 (2015.01) According to International Patent Classification (IPC) or to both national classification and IPC</p>																				
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC(8) - A45C 11/00, 11/22, 11/38, 13/00, 13/30; A45F 3/00, 3/02, 3/04 (2015.01) CPC - A45C 11/00, 2011/001, 2011/002, 2011/003 (2015.01) (keyword delimited)</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC -224/236, 650, 673, 929, 930</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase, Google Patent, Google search terms used: pocket, pouch, case, headphone connector, cap, shirt, backpack, strap, inbuilt</p>																				
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 2007/0215663 A1 (CHONGSON et al) 20 September 2007 (20.09.2007) entire document</td> <td>1-6</td> </tr> <tr> <td>Y</td> <td>US 2012/0328144 A1 (DUGGER et al) 27 December 2012 (27.12.2012) entire document</td> <td>1-6</td> </tr> <tr> <td>Y</td> <td>US 2008/0156606 A1 (ENTNER) 03 July 2008 (03.07.2008) entire document</td> <td>3, 4</td> </tr> <tr> <td>Y</td> <td>US 2008/0143954 A1 (ABREU) 19 June 2008 (19.06.2008) entire document</td> <td>5, 6</td> </tr> <tr> <td>A</td> <td>US 6,915,934 B2 (HASSETT) 12 July 2005 (12.07.2005) entire document</td> <td>1-6</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 2007/0215663 A1 (CHONGSON et al) 20 September 2007 (20.09.2007) entire document	1-6	Y	US 2012/0328144 A1 (DUGGER et al) 27 December 2012 (27.12.2012) entire document	1-6	Y	US 2008/0156606 A1 (ENTNER) 03 July 2008 (03.07.2008) entire document	3, 4	Y	US 2008/0143954 A1 (ABREU) 19 June 2008 (19.06.2008) entire document	5, 6	A	US 6,915,934 B2 (HASSETT) 12 July 2005 (12.07.2005) entire document	1-6
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<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>“A” document defining the general state of the art which is not considered to be of particular relevance</td> <td>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>“E” earlier application or patent but published on or after the international filing date</td> <td>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>“O” document referring to an oral disclosure, use, exhibition or other means</td> <td>“&” document member of the same patent family</td> </tr> <tr> <td>“P” document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			“A” document defining the general state of the art which is not considered to be of particular relevance	“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	“E” earlier application or patent but published on or after the international filing date	“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	“L” document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family	“P” document published prior to the international filing date but later than the priority date claimed									
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<p>Date of the actual completion of the international search</p> <p>31 March 2015</p>	<p>Date of mailing of the international search report</p> <p>06 MAY 2015</p>																			
<p>Name and mailing address of the ISA/US</p> <p>Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>	<p>Authorized officer:</p> <p>Blaine R. Copenheaver</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>																			

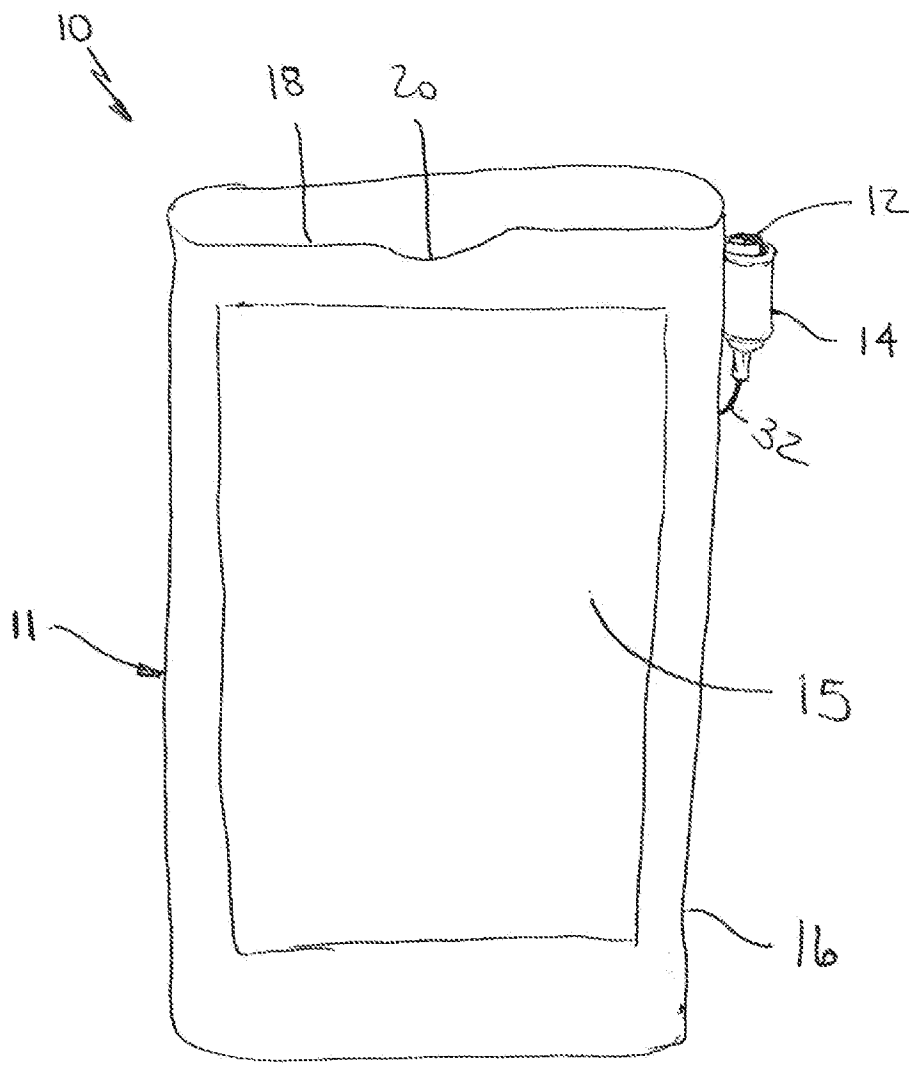


FIG. 1