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A47G 23/16 (2006.01)

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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, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, 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.

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(54) Title: SYSTEMS AND METHODS FOR BLADDER HEALTH MANAGEMENT

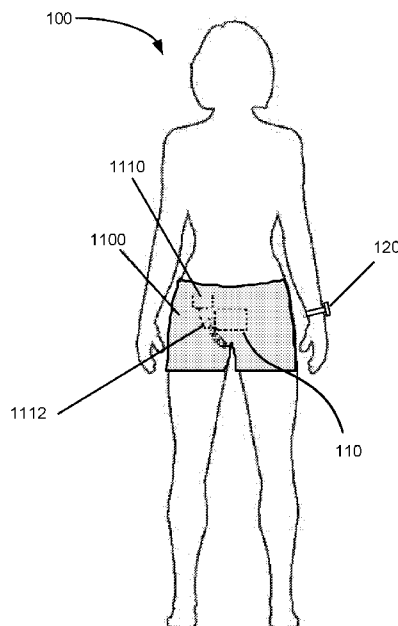


FIG. 13

(57) Abstract: A system includes at least one wearable device configured to monitor a bladder volume of a user associated with the at least one wearable device, monitor moisture associated with the user, and transmit information regarding the bladder volume and moisture. The system also includes a display device configured to receive the information regarding the bladder volume and moisture from the at least one wearable device, and display information to the user based on the received information.



**Published:**

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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**INTERNATIONAL SEARCH REPORT**

International application No  
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**A. CLASSIFICATION OF SUBJECT MATTER**  
 INV. A61B5/20 A61B8/08 A61B8/00 A47G23/16  
 ADD. A61B5/11 A61B5/00 A61B5/053

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
 A61B A61F A47G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2016/120455 A1 (POP VALER [NL] ET AL) 5 May 2016 (2016-05-05) figure 4 paragraphs [0065] - [0069], [0076], [0091], [0095] - [0099], [0102] - [0103], [0108] - [0109], [0119] -----	1-19
X	WO 2017/017426 A1 (UNIV OF CENTRAL LANCASHIRE [GB]) 2 February 2017 (2017-02-02) abstract figures 1-4 paragraphs [0001], [0040], [0091], [0142], [143156], [0159], [0165] ----- -/--	1-19

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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

"&" document member of the same patent family

Date of the actual completion of the international search  21 May 2019	Date of mailing of the international search report  27/05/2019
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer  Dhervé, Gwenaëlle
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## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2018/062250

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/255176 A1 (RONDONI JOHN C [US] ET AL) 1 November 2007 (2007-11-01) figures 5,6 paragraphs [0063] - [0068], [0071] -----	1-19
A	US 2007/252713 A1 (RONDONI JOHN C [US] ET AL) 1 November 2007 (2007-11-01) paragraph [0072]; figure 1 -----	1,2,15
A	US 2017/065821 A1 (BRINK THADDEUS S [US] ET AL) 9 March 2017 (2017-03-09) paragraph [0131] -----	3
A	US 2017/263102 A1 (TSHILOMBO BUKASA [US] ET AL) 14 September 2017 (2017-09-14) abstract -----	10,18
A	US 2012/179665 A1 (BAARMAN DAVID W [US] ET AL) 12 July 2012 (2012-07-12) abstract paragraphs [0056] - [0062] -----	11,12,18

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2018/062250

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-19

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-19

System and method for displaying bladder volume and moisture to a user.

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2. claim: 20

Method for prompting a user to void at particular times.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/US2018/062250
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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