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- (74) **Agents:** HOFER III, Joseph C. et al.; 400 M&T Bank  
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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.

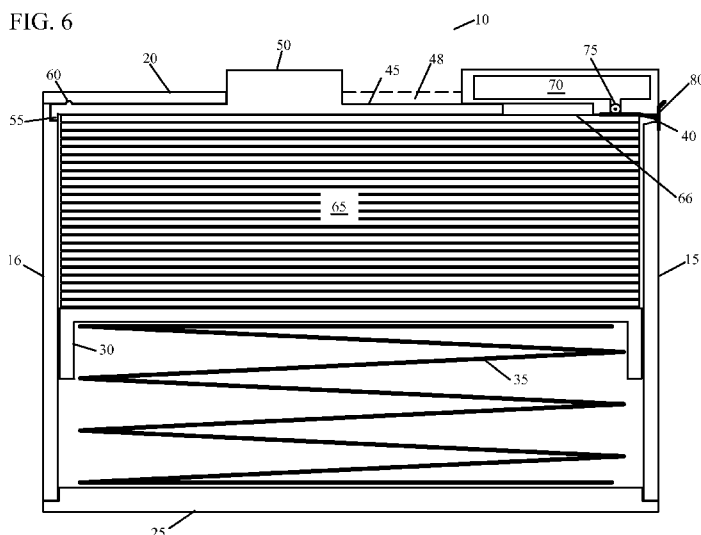
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**Published:**

- 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))

- (88) **Date of publication of the international search report:**  
6 August 2015

(54) **Title:** DIABETIC TESTING SUPPLY DISPENSER



(57) **Abstract:** In various embodiments, single use and disposable diabetic testing supply dispensers use an ejector coupled to an external actuator to move single testing supplies contained within the internal volume of the dispenser through a port in the dispenser for selection by the user. In various embodiments the dispenser has a head unit that is coupled to one of a variety of magazine designs which store the testing supplies. A bulk loader rapidly refills the dispenser. In some embodiments, testing supplies are affixed to a carrier strip which is carried on a spool internal to the dispenser, incremented out of the dispenser, and cut to dispense a single testing supply during each operation. In some embodiments, tamper resistant elements are added to discourage fraudulent re-sale of the testing supplies. In some embodiments, the dispenser includes a lancing device that is fed by a magazine and deters re-use of lancets.



# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2014/063433

## 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.:

### 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.

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2014/063433

A. CLASSIFICATION OF SUBJECT MATTER  
 INV. G01N33/487 A61B5/15  
 ADD.

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)

G01N A61B

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 2008/167578 A1 (BRYER PHILLIP [US] ET AL BRYER PHILIP [US] ET AL)<br>10 July 2008 (2008-07-10)  | 1-6, 14, 26, 31       |
| Y         | paragraph [0034]   | 15-17,                |
| A         | page 6, paragraph 0095 - page 7, paragraph 0103  | 22-24<br>36-40        |
| Y         | -----<br>US 2012/039772 A1 (HOENES JOACHIM [DE])<br>16 February 2012 (2012-02-16)<br>paragraph [0017]  | 15-17                 |
| Y         | -----<br>US 2012/305419 A1 (SINGHAL TARA CHAND [US]) 6 December 2012 (2012-12-06)<br>paragraph [0033] - paragraph [0042]<br>paragraph [0047] - paragraph [0048]<br>paragraph [0084] - paragraph [0085]<br>paragraph [0095]<br>-----<br>-/- | 22-24                 |



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

8 June 2015

Date of mailing of the international search report

24/06/2015

Name and mailing address of the ISA/

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Joyce, David

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2014/063433

| 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 5 152 775 A (RUPPERT NORBERT [US])<br>6 October 1992 (1992-10-06)<br>column 1, line 33 - line 59<br>column 4, line 67 - column 5, line 1<br>figures 1A-1C<br>----- | 36-40                 |
| X  | US 2003/002387 A1 (BOTTWEIN GUNTER [DE] ET AL)<br>2 January 2003 (2003-01-02)<br>paragraph [0061] - paragraph [0062];<br>figure 11C<br>-----                          | 41,42                 |
| A  | US 2007/233395 A1 (NEEL GARY T [US] ET AL)<br>4 October 2007 (2007-10-04)<br>column 6, paragraph 0073 - column 7,<br>paragraph 0074; figure 9<br>-----                | 1-35                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2014/063433

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s)  | Publication<br>date         |
|---|---------------------|-----------------------------|-----------------------------|
| US 2008167578                             | A1                  | 10-07-2008                  | AU 2007300031 A1 03-04-2008 |
|   |                     | CA 2664711 A1 03-04-2008    |                             |
|   |                     | CN 101583306 A 18-11-2009   |                             |
|   |                     | EP 2068701 A2 17-06-2009    |                             |
|   |                     | JP 2010504844 A 18-02-2010  |                             |
|   |                     | US 2008167578 A1 10-07-2008 |                             |
|   |                     | WO 2008039946 A2 03-04-2008 |                             |
| US 2012039772                             | A1                  | 16-02-2012                  | CN 102325497 A 18-01-2012   |
|   |                     | EP 2226007 A1 08-09-2010    |                             |
|   |                     | EP 2398389 A1 28-12-2011    |                             |
|   |                     | US 2012039772 A1 16-02-2012 |                             |
|   |                     | WO 2010094428 A1 26-08-2010 |                             |
| US 2012305419                             | A1                  | 06-12-2012                  | NONE                        |
| US 5152775                                | A                   | 06-10-1992                  | NONE                        |
| US 2003002387                             | A1                  | 02-01-2003                  | AT 211553 T 15-01-2002      |
|   |                     | DE 19715031 A1 15-10-1998   |                             |
|   |                     | EP 0974061 A1 26-01-2000    |                             |
|   |                     | ES 2171020 T3 16-08-2002    |                             |
|   |                     | JP 3455548 B2 14-10-2003    |                             |
|   |                     | JP 2001523333 A 20-11-2001  |                             |
|   |                     | US 6534017 B1 18-03-2003    |                             |
|   |                     | US 2003002387 A1 02-01-2003 |                             |
|   |                     | WO 9847007 A1 22-10-1998    |                             |
| US 2007233395                             | A1                  | 04-10-2007                  | AU 2007234940 A1 18-10-2007 |
|   |                     | BR PI0709105 A2 28-06-2011  |                             |
|   |                     | EP 2010046 A2 07-01-2009    |                             |
|   |                     | EP 2394577 A2 14-12-2011    |                             |
|   |                     | JP 2009532706 A 10-09-2009  |                             |
|   |                     | JP 2014122907 A 03-07-2014  |                             |
|   |                     | TW I422357 B 11-01-2014     |                             |
|   |                     | TW 201410209 A 16-03-2014   |                             |
|   |                     | US 2007233395 A1 04-10-2007 |                             |
|   |                     | WO 2007118046 A2 18-10-2007 |                             |

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

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

1. claims: 1-25

A diabetic testing supply dispenser

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2. claims: 26-35

Sealed dispenser containing a plurality of testing supplies  
to be individually dispensed

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3. claims: 36-40

An auto-loading lancing dispenser

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4. claims: 41, 42

A bulk loader

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