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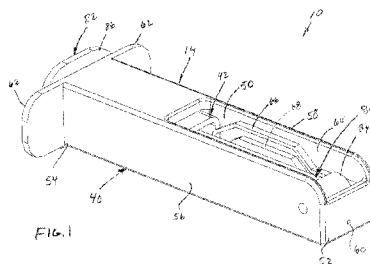
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Published:

- with international search report (Art. 21(3))
- with information concerning request for restoration of the right of priority in respect of one or more priority claims (Rules 26bis.3 and 48.2(b)(vii))

(88) Date of publication of the international search report: 29 March 2012

(54) Title: LINEARLY ACTUATED DISPENSER AND THERAPEUTIC PACKAGE SUITABLE FOR ADMINISTERING A THERAPEUTIC SUBSTANCE AND RELATED METHOD



(57) Abstract: A device for administering a therapeutic substance includes a sealed package and an administration assembly. The sealed package includes a collapsible compartment containing the substance. The administration assembly includes a dispenser that is in fluid communication with the substance. At least one compression member is movable by linear actuation to progressively collapse the collapsible compartment and urge the therapeutic substance through the dispenser.



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A. CLASSIFICATION OF SUBJECT MATTER*A61M 5/315(2006.01)i, A61M 5/32(2006.01)i, A61M 5/178(2006.01)i, A61M 5/50(2006.01)i, A61J 1/05(2006.01)i*

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)

A61M 5/315; A61M 5/00; A61J 1/14; A61M 37/00; A61J 1/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: dispenser, sealed package, compression, therapeutic substance

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	US 2009-0171311 A1 (GENOSAR et al.) 02 July 2009 See the abstract; claims 1, 8, 15, 28, and 30; paragraphs [0009]-[0010], [0044]-[0045], [0068]-[0070], and [0079]-[0080]; and figs.17a-20.	6-8, 12-13, 33, 35-37 30-31 1-5, 9-11, 14-18 , 27-29, 32, 34, 38-40
Y	US 05405326 A (HABER et al.) 11 April 1995 See the abstract; column 4, lines 18-25 and column 5, lines 63-67; claims 1-4; and fig.1	30-31
A	US 05176634 A (SMITH et al.) 05 January 1993 See the abstract; column 3, lines 15-36, and column 9, lines 1-18; claim 18; and figs.1, 3 and 6.	1-18, 27-40
A	US 04515586 A (MENDENHALL et al.) 07 May 1985 See the abstract; column 2, lines 9-40; claims 1-2 and 6; and figs.1-4.	1-18, 27-40

 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 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

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Date of mailing of the international search report

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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.: 19-26
because they relate to subject matter not required to be searched by this Authority, namely:
Claims 19-26 pertain to methods for treatment of human body by therapy or surgery. (Rules 43 bis.1(b), Rules 67.1 (iv))
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:

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 fee, this Authority did not invite payment of any additional fee.
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

Information on patent family members

International application No.

PCT/US2011/029798

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009-0171311 A1	02.07.2009	AU 2008-345108 A1 CN 101951988 A EP 2240232 A1 EP 2240232 A4 JP 2011-508634 A WO 2009-086463 A1	09.07.2009 19.01.2011 20.10.2010 16.03.2011 17.03.2011 09.07.2009
US 05405326 A	11.04.1995	None	
US 05176634 A	05.01.1993	EP 0541715 A1 EP 0541715 A4 EP 0541715 B1 EP 0541715 B2 JP 10-005309 A JP 2828505 B2 WO 92-02271 A1	29.04.1998 17.01.1996 12.05.1999 16.06.2004 13.01.1998 25.11.1998 20.02.1992
US 04515586 A	07.05.1985	None	