(54) Title: ELECTROMECHANICAL SYSTEM FOR DISPENSING A COMPOSITION

(57) Abstract: Apparatus is described for use with a container (102) for dispensing a composition (112), the container including a movable platform (106). The apparatus includes a container holder (101), which includes an upper portion (116), which includes one or more user input elements (104); and a lower portion, including a driving unit (201, 3001) and a power source (205, 3008). The power source (205, 3008) is operative to drive the driving unit (201, 3001) to move the movable platform (106) of the container (102), in response to actuation of the one or more user input elements (104). Other applications are also described.

FIG. 1
(88) Date of publication of the international search report:
9 April 2015
**INTERNATIONAL SEARCH REPORT**

**A. CLASSIFICATION OF SUBJECT MATTER**

<table>
<thead>
<tr>
<th>IPC(8)</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A61 Q 15/00</td>
<td>A61 Q 15/00</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>IPC(8)</th>
<th>CPC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A61 M 35/00</td>
<td>A61Q 15/00</td>
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</tbody>
</table>

USPC - 222/23, 46, 52; 401/52

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

<table>
<thead>
<tr>
<th>CPC</th>
</tr>
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<tbody>
<tr>
<td>A61M 35/00, 003; A61M 2210/08, 083; A61Q 15/00; B43K 29/00 (2014.11)</td>
</tr>
</tbody>
</table>

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

<table>
<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>X</td>
<td>US 201 1/01 50555 A1 (VARLAGADDA) 23 June 2011 (23.06.2011) entire document</td>
<td>1,2,6-9,12,27,29,30,34-39,52,96-106,10-11,13,116-131,133,134,138-143,156</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C.

- "V" 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.
- "K" document member of the same patent family.

**Date of the actual completion of the international search**

07 January 2015

**Date of mailing of the international search report**

29 JAN 2015

**Name and mailing address of the ISA/US**

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
P.O. Box 1450, Alexandria, Virginia 22314-1450

Facsimile No. 571-273-3201

Form PCT/ISA/210 (second sheet) (July 2009)
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).

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 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.:

   1-67, 96-171

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.
This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1. In order for all inventions to be examined, the appropriate additional examination fees must be paid.

Group I, claims 1-67, 96-171, drawn to apparatus for use with a container for dispensing a composition
Group II, claims 68-95, 172-208, drawn to apparatus wherein the apparatus not comprising a shaft.

The inventions listed as Groups I-II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the special technical feature of the Group I invention: a container holder comprising: an upper portion, which comprises one or more user input elements; and a lower portion comprising a driving unit and a power source, wherein the power source is operative to drive the driving unit to move the movable platform of the container, in response to actuation of the one or more user input elements as claimed therein is not present in the invention of Group II. The special technical feature of the Group II invention: the apparatus being packaged for sale to a consumer and not comprising a shaft which by rotation thereof moves the platform up within the container as claimed therein is not present in the invention of Groups I.

Groups I and II lack unity of invention because even though the inventions of these groups require the technical feature of a container containing a composition including at least one composition selected from the group consisting of: a deodorant and an antiperspirant and comprising a movable platform configured such that movement of the platform dispenses the composition from the container, this technical feature is not a special technical feature as it does not make a contribution over the prior art.

Specifically, US 5,753,212 A (PESCATORE et al.) teaches container containing a composition including at least one composition selected from the group consisting of: a deodorant and an antiperspirant (a process for manufacturing a cosmetic product such as antiperspirant or deodorant in stick form includes steps for introducing the product into a container from which the product is dispensed by the user, Abstract), and comprising a movable platform configured such that movement of the platform dispenses the composition from the container (a platform movable within the tubular body, col. 2, lines 10-12. The product is introduced into the dispenser container in a molten condition, col. 1, lines 42-45).

Since none of the special technical features of the Group I or II inventions are found in more than one of the inventions, unity of invention is lacking.