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[Continued on next page]

(54) Title: MULTI JAR

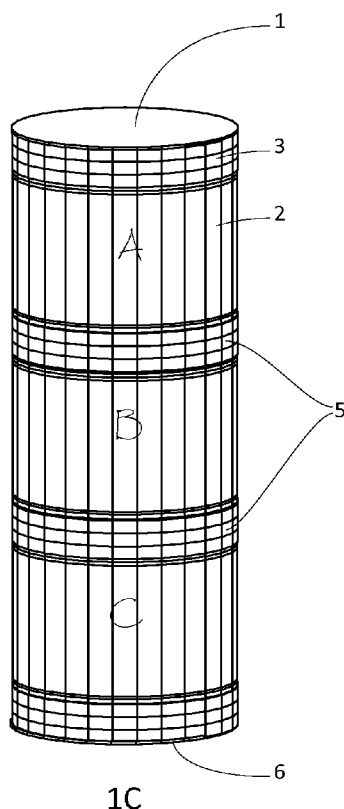


FIG.1

(57) **Abstract:** The invention relates to an interlocking Stacking Segment jar/container, which includes numerous stacking jars screwed together into a single unit, for the compact and organized transport of herbs, spices and other condiments. An interlocking stacking segment jar/container, comprising: a plurality of stacking jars; at least one lid connected over the top of the plurality of the jar; top portion with thread pattern; bottom portion with thread pattern; at least one connector.





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- *with amended claims (Art. 19(1))*

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

APPLICATION FOR A PCT UTILITY PATENT APPLICATION

FOR

5 (A) MULTI JAR

Inventor: Sydney S. Magargal

(B) ICROSS REFERENCE TO RELATED APPLIACTIONS

Not applicable

10 (C) FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

Not applicable.

(D) MICROFICHE

Not applicable

(E) BACKGROUND OF THE INVENTION

15 (1) FIELD OF THE INVENTION

The present invention related to Interlocking Stacking Segment jar/container. More particularly pertains to a container that is held together by a threaded midsection which allow user to more easily access contents at the lower level of the container.

20 (2) BACKGROUND OF THE INVENTION

Many people who like to cook, as well as those who may not like to cook, but are simply very picky about how their food is seasoned, like to be able to carry multiple herbs, spices and other condiments with them when they travel to vacation homes, friends' houses, guest houses with kitchens, and on camping trips. However, because many people prefer
25 to carry as little luggage as possible when traveling, and to keep said luggage light, it is desirable to carry smaller amounts of these condiments with them than the amounts in which they are typically sold. Few people want to carry numerous full-size condiment jars with them in a carry-on suitcase for a trip of only a few days, but they may still want to

carry several different condiments. In addition, even if they choose to put the condiments into smaller containers, these are difficult to organize, which complicates not only the packing process but the cooking one as well.

5 It is also desirable to be able to carry only the condiments that are needed, and for this reason the ideal system for transport would allow the individual condiment containers to be separable and able to be combined in any number or combination without losing organization or adding excess size and weight.

10 Many people like to have multiple herbs, spices and other condiments on hand, even when they are not traveling, but need to be able to store them in a very small space, for example an office drawer, small storage unit in a dorm room, over packed cabinet or crowded countertop in a small kitchen.

15 Various products intended for the compact storage and compact, lightweight transport of herbs, spices and other condiments are presently available for consumer purchase, but they all have defects that make them less than ideal for the task. A kit that is available at many camping stores holds a variety of herbs and spices, but the containers are difficult to open, and the holes (for shaking) in the lids are of a size that the herbs and spices don't
20 come out easily. Many people have found it so difficult and inconvenient to use that they have not used the spices within it even if they were carrying it for that express purpose. Another problem with this kit is that it offers only a fixed quantity of containers for condiments, making it necessary to carry the whole kit, whether that number of condiments or fewer (or more) is actually required.

25 Another type of travel condiment kit that is popular right now has the problem of having a thin metal case that is easily dented, glass windows in the lids of each pot that can break and contaminate the pot's contents with shattered glass, and a tendency to leak spices whenever the kit is inverted or shaken.

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Other products being marketed as "travel spice kits" are actually large and cumbersome, with unnecessarily large containers; or feature only a very limited selection of condiments that do not meet the needs of even the average cooking or seasoning fan.

5 Therefore, what is needed is a system for the transport and compact storage of condiments that is durable, light-weight, inherently organized, and easily customizable to accommodate the use of whatever number and combination of condiments are desired.

The Interlocking Stacking Segment Jar of present invention fulfills the above requirement.
10 Also, the present invention is unique in that the contents are throughout the entire container and each addition is part of the whole when assembled. The upper attachments of the jar can be removed to more easily access the contents at the lower portion of the jar as the contents are removed. Attachment can also be added to accommodate more contents. This is possible while maintaining the ability to re-fasten the original/existing lid
15 at the original location or to the top of an additional segment, or the lower segment of the jar.

(F) SUMMARY OF THE INVENTION

The present invention provides an improved interlocking stacking segment Jar. As such,
20 the general purpose of the present invention, which will be described subsequently in greater detail, is to provide a new and improved interlocking stacking segment Jar which has all the advantages of the prior art and none of the disadvantages.

The present invention is an interlocking Stacking Segment jar/container, comprising of
25 numerous stacking jars screwed together into a single unit, for the compact and organized transport of herbs, spices and other condiments in both as sold and consumer chosen numbers and combinations.

It is an objective of the present invention to provide interlocked containers that separate
30 easily with the help of connectors for continuous use.

It is an object of the present invention to provide lightweight, durable, organized and compact interlock segmented containers that allow additional storage below containers.

5 It is another object of the present invention to separate products inside containers in such a way that they are bound together into a single, solid unit, while kept completely separate from one another within that unit.

10 These and other objectives are achieved in the present invention through the use of existing, plastic jars that are well known for another, non-food-related use; and instruction in the new use via the demonstration inherent in the new invention's existence and presence in the consumer market.

15 The features that make this invention new in comparison to other existing art work meant for the same purpose are its light weight, its high resistance to denting or breakage, its ability to be customized (by the addition, removal, and/or reorganization of the individual containers within the stack), its ease of use, and its inherent organization by way of the containers being able to be screwed firmly together into a single unit

20 In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and terminology employed herein are for the purpose of description and
25 should not be regarded as limiting.

30 These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be had to the accompanying drawings and descriptive matter in which there are illustrated preferred embodiments of the invention.

(G) BRIEF DESCRIPTION OF THE FIGURES

FIG.1 depicts an exploded view of jars containing different products: 1A depicts a top view of a lip middle of connector; 2A depicts a perspective view of connector between jars and; 1C depicts positions of jar connectors between the jars; 1D depicts cross sectional view of the interlocking Stacking Segment containers of 1C.

FIG.2 depicts an exploded view of jars containing same product with open connector: 1A depicts a top view of a lip middle of connector and open connector between jars; 2A depicts a perspective cross view a lip middle of connector and open connector between jars of 1A; 1C depicts positions of jar connectors between the jars; 2D depicts cross sectional view of the interlocking Stacking Segment containers of 2C.

(H) DETAILED DESCRIPTION OF THE INVENTION

In the following detailed description, reference is made to the accompanying figures which form a part hereof, and in which is shown by way of illustration specific embodiments in which the invention may be practiced. These embodiments are described in sufficient detail to enable those skilled in the art to practice the invention, and it is to be understood that the embodiments may be combined, or that other embodiments may be utilized and that structural, logical and electrical changes may be made without departing from the spirit and scope of the present invention. The following detailed description is, therefore, not to be taken in a limiting sense, and the scope of the present invention is defined by the appended description and their equivalents.

In a preferred embodiment of the present invention the multipurpose storage container can be used to hold multiple and varied content. The jar can contain edibles such as mayonnaise or peanut butter, substances with high viscosity which have a resistance to flow. The jar can contain industrial oils; smaller jars can contain all types of cosmetics. The purpose of the jar is to facilitate access to content, usually those with high viscosity that are not easily reached in an archetypal container.

Referring now to the invention in more detail, in Fig.1 there is shown the exploded and cross sectional views of a primary embodiment of the present invention comprising of top (1), base of top (2), lid (3), connector (4) with lip (5) and bottom with threads (6).

5 For this type of combination jars, solid connectors are needed between each section A, B, and C. The closed section of the connector will separate the contents of any and all jars. Jars will have one lid that can be placed on top of any combination of jars, connectors will keep jars together, in any number of units.

10 In certain embodiments, the top section may be generally cylindrical in shape with a hollow interior. An upper portion of top section may include external threads adapted to engage internal threads provided in an interior of the connector in between jars.

Fig.2 shows an assembly of jars containing same product with open connector. A top jar and a bottom jar (8) are seal tightly with lid (9) and connector (10). Both top and bottom portion of the jars having thread patterns. When a jar is opened and contents removed to middle, or top of bottom jar, connector can be removed and lid from a top jar is then placed on top of the bottom jar. The size of jars is based on the type of product placed in the jars. The connectors only connect a top and bottom of the jar and separate the product placed in upper jar and lower jar. In this way the top jar would most likely to be 1/3 of the total capacity and bottom is 2/3.

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The interlocking Stacking Segment Jar can be manufactured from multiple materials more specifically plastic. Also the present invention is not limited to shape, material, thickness and size. The diameter of containers is approx 3%.

25 The interlocking Stacking Segment Jar can be used to hold multiple jars as shown in Fig.1 and 2 along with varied contents. The jar can contain edibles such as mayonnaise or peanut butter, substances with high viscosity which have a resistance to flow. In addition container holds spices and any of craft supplies (Nuts, Bolts, and Washers etc.)

30 It is to be understood that the above description is intended to be illustrative, and not restrictive. For example, the above-discussed embodiments may be used in combination

with each other. Many other embodiments will be apparent to those of skill in the art upon reviewing the above description.

5 The benefits and advantages which may be provided by the present invention have been described above with regard to specific embodiments. These benefits and advantages, and any elements or limitations that may cause them to occur or to become more pronounced are not to be construed as critical, required, or essential features of any or all of the embodiments.

10 While the present invention has been described with reference to particular embodiments, it should be understood that the embodiments are illustrative and that the scope of the invention is not limited to these embodiments. Many variations, modifications, additions and improvements to the embodiments described above are possible. It is contemplated that these variations, modifications, additions and
15 improvements fall within the scope of the invention.

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CLAIMS

We Claim:

1. An interlocking stacking segment jar/container, comprising:
 - 5 a plurality of stacking jars;
 - at least one lid connected over the top of the plurality of the jar;
 - top portion with thread pattern;
 - bottom portion with thread pattern;
 - at least one connector.
- 10 2. The interlocking stacking segment jar of claim 1, wherein said lid adapted to cover said upper portion of at least one of the plurality of jars.
3. The interlocking stacking segment jar of claim 1, wherein plurality of jars is made of plastic.
4. The interlocking stacking segment jar of claim 1, wherein said top thread pattern is
15 engaged with said bottom thread pattern.
5. The interlocking stacking segment jar of claim 1, wherein said connector is placed in between said top and said bottom portion.
6. An interlocking stacking segment jar comprising:
 - 20 a generally cylindrical top section;
 - a bottom section with threads;
 - a top section is small in diameter in comparison of said bottom section which helps in making the engagement in a between said plurality of jars;
 - a lid placed over said top portion of the jar and screw tightly;
 - a connector is placed in between said top and said bottom portion of said interlocked jar
25 segment and separate product placed plurality of jars.
7. The interlocking stacking segment jars of claim 6, wherein said top portion of the jar is 1/3 of the total capacity.
8. The interlocking stacking segment jars of claim 6, wherein said bottom portion of the jar is 2/3 of the total capacity.
- 30 9. An interlocking stacking segment jar is comprised of a top and bottom segment, which is sealed with a lid.

10. The interlocking stacking segment jars of claim 9, wherein said lid is used as said bottom segment of the jar.

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AMENDED CLAIMS**received by the International Bureau on 08 August 2016 (08.08.2016)**

What is claimed is:

1. An interlocking stackable multi-jar assembled apparatus comprising of:
 - a. a stackable cylindrical jar having a closed bottom, a side wall and an open top ;
 - b. at least one stackable cylindrical jar having a side wall, an open bottom and an open top;
 - c. stackable cylindrical jar having a side wall, an open bottom and a lid on the top;
 - d. a removable connector placed between a bottom of said jar having a side wall, an open bottom and an open top of said jar having a closed bottom, a side wall and an open top;
 - e. a removable ring connector placed between to a bottom of said jar having a side wall, an open bottom and a lid on the top and said jar having an open bottom and an open top ; and
 - f. at least one dividing thread placed inside of said at least one removable connector.
2. The interlocking stackable multi-jar assembled apparatus of claim 1, wherein said removable connector having a lip holding said thread.
3. The interlocking stackable multi-jar assembled apparatus of claim 1, wherein said stackable jar is made of plastic.
4. The interlocking stackable multi-jar assembled apparatus of claim 1, wherein said dividing thread creating separate spaces inside an internal volume of said apparatus.

5. An interlocking stackable multi-jar assembled apparatus comprising of:
 - a. a stackable cylindrical jar having a closed bottom, a side wall and an open top;
 - b. at least one stackable cylindrical jar having a side wall, an open bottom and an open top;
 - c. a stackable cylindrical jar having a side wall, an open bottom and a lid on the top;
 - d. a removable connector placed between a bottom of said jar having a side wall, an open bottom and an open top of said jar having a closed bottom, a side wall and an open top; and
 - e. a removable ring connector placed between to a bottom of said jar having a side wall, an open bottom and a lid on the top and said jar having an open bottom and an open top ; and
6. The interlocking stackable multi-jar assembled apparatus of claim 6, wherein said side wall of said jars forming an internal undivided volume of said apparatus.

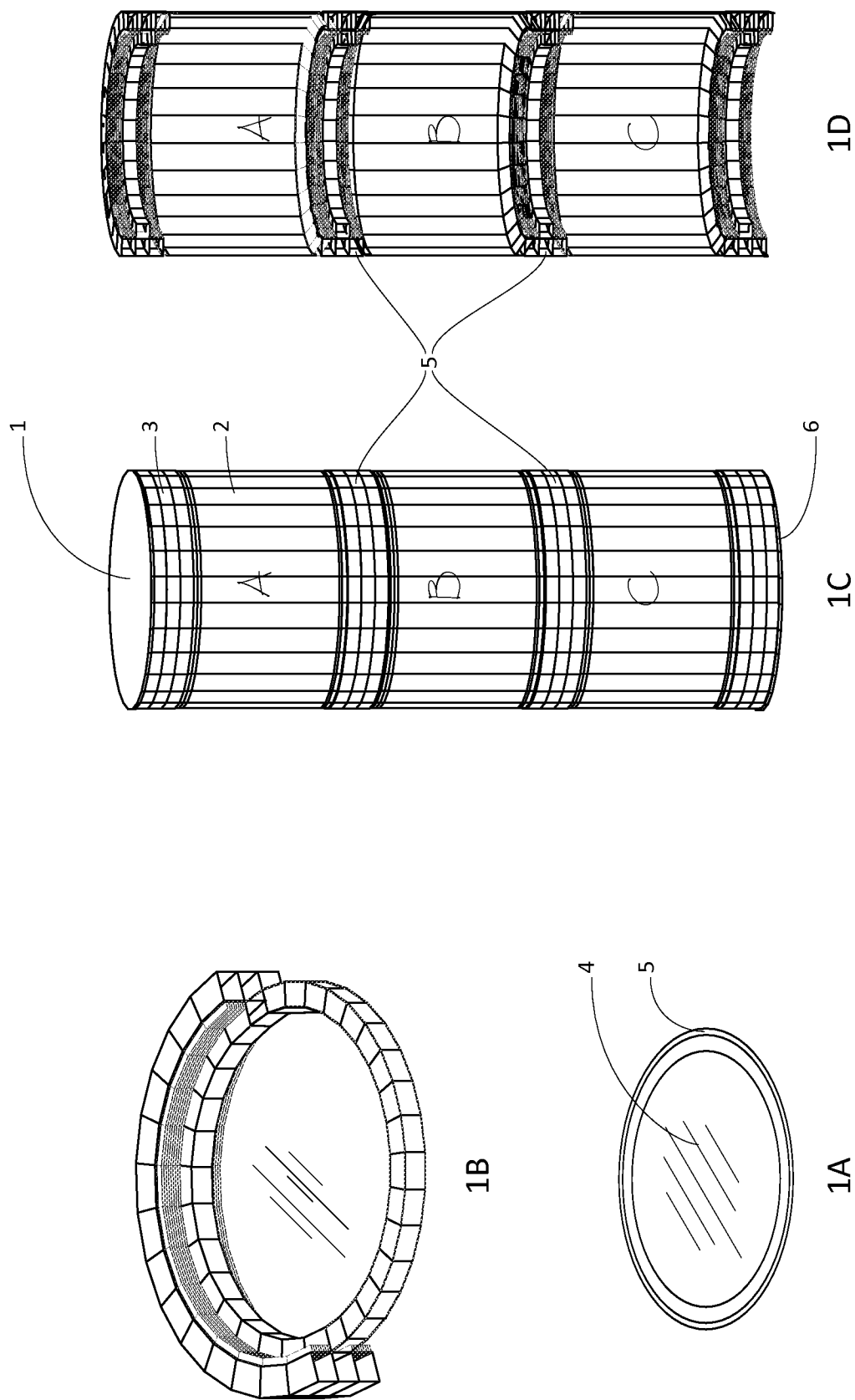


FIG.1

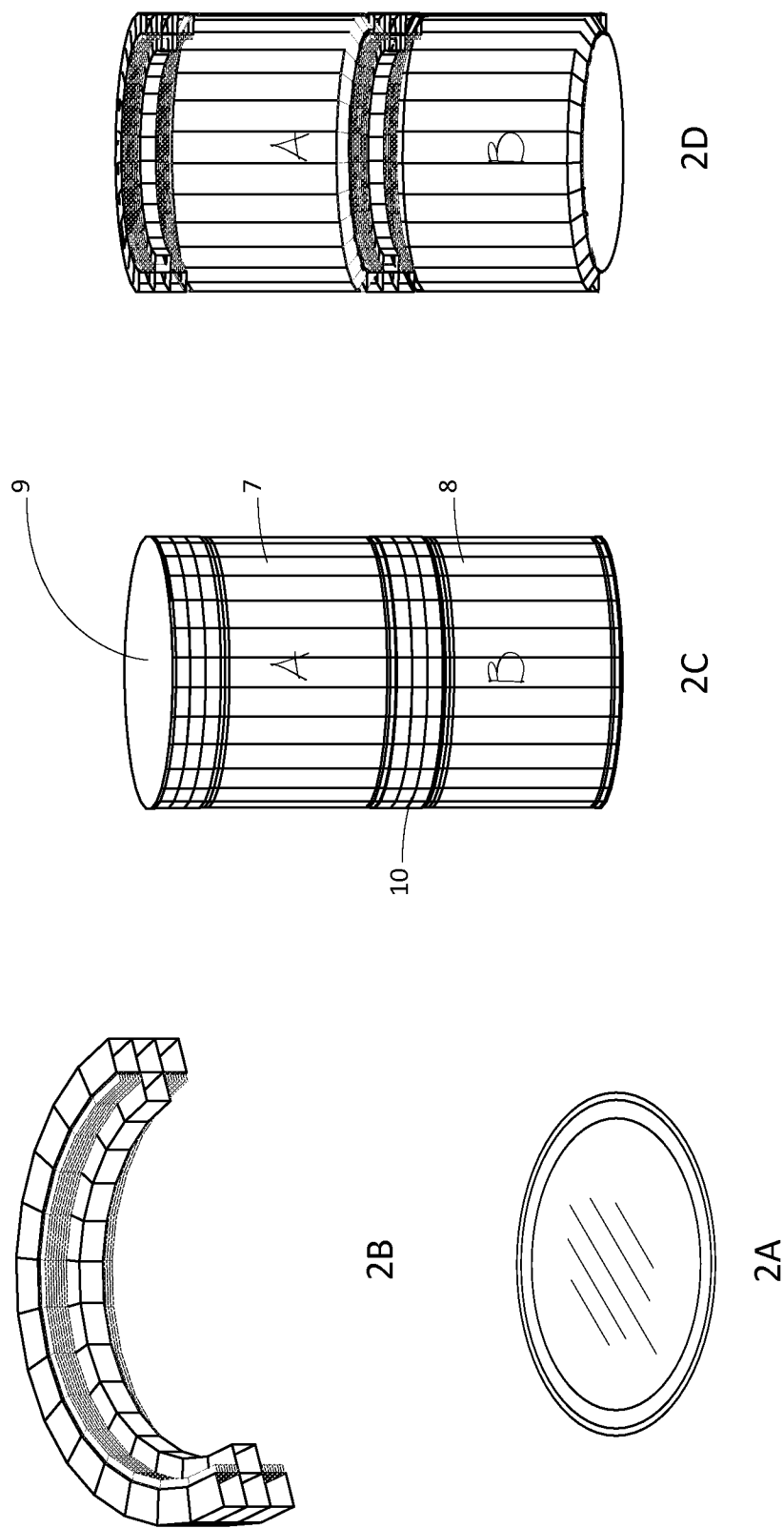


FIG. 2

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 15/24980

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B65D 21/00, B65D 21/02, B65D 21/032, B65D 21/036 (2015.01)

CPC - B65D 21/00, B65D 21/02, B65D 21/0209, B65D 21/0228

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)

IPC(8): B65D 21/* (2015.01)

CPC: B65D 21/*

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

IPC(8): B65D* (2015.01)

CPC: B65D*

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

PatBase, Google Patents, Google Web

Keywords: stack, thread, threaded, screw, cover, lid, top, closure, jar, plastic, cylinder, cylindrical

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,311,237 A (HAYES) 19 January 1982 (19.01.1982), entire document	1-5
X	GB 2091693 A1 (SWINNEY) 04 August 1982 (04.08.1982), entire document	9-10
X	DE 20309533 U1 (SCHMIDBAUER et al.) 04 September 2003 (04.09.2003), entire document	1-10
A	JP 3011203 U (UNKNOWN) 23 May 1995 (23.05.1995), entire document	1-10
A	US 2004/0262306 A1 (SMITH) 30 December 2004 (30.12.2004), entire document	1-10
A	US 2012/0085674 A1 (KEMPER et al.) 12 April 2012 (12.04.2012), entire document	1-10
A	US 2013/0270264 A1 (SULJAK et al.) 17 October 2013 (17.10.2013), entire document	1-10
A	US 5,914,116 A (SUARES et al.) 22 June 1999 (22.06.1999), entire document	1-10

☐ Further documents are listed in the continuation of Box C.

* Special categories of cited documents:

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

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"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

16 OCT 2015

Name and mailing address of the ISA/US

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