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(71) Applicant and

(72) Inventor: STEPHENSON, John [GB/GB]; 25 Campri-
ano Drive, Warwick CV34 4NQ (GB).

(74) Agent: TILLBROOK, Christopher, John; Tillbrook &
Co, 1 Mill Street, Warwick CV34 4HB (GB).

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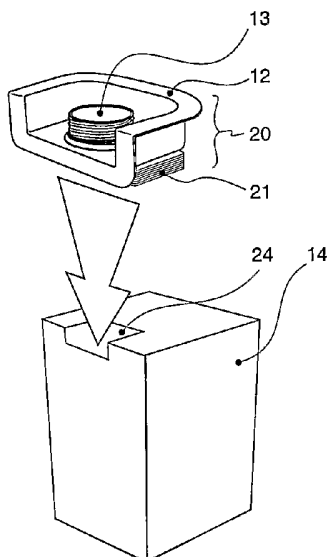
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(54) Title: BAG CARTRIDGE WITH ANTI-TORQUE COLLAR



(57) Abstract: A collapsed bag cartridge (20) for Bag-in-Box (BIB) carton packaging, is configured for installation as a self-contained module in an aperture (24) in a pre-assembled carton wall; the bag cartridge features a collapsed bag in a compact folded format (21) with a locating and retention collar (12) upon a bag neck (13) of complementary profile to the carton aperture; with complementary inter-fitting ribs and slots (18), in collar aperture rim upstand (17) and bag neck (13) for closure anti-torque action.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2005/004313

A. CLASSIFICATION OF SUBJECT MATTER
INV. B65D77/06

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)

B65D

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 practical, 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	GB 959 306 A (GERALD VERE FORREST) 27 May 1964 (1964-05-27) cited in the application page 3, line 9 - line 42 figures 1-4	1,2,5,6, 8,11,17, 18,20
X	US 5 803 346 A (BAKER ET AL) 8 September 1998 (1998-09-08)	1,2,7,8, 11
Y	column 5, line 25 - line 29 column 5, line 36 - line 42 figures 9,13	9,14
X	WO 94/19255 A (ANATOL NOMINEES PTY. LTD; TKATCHENKO, TOLIK) 1 September 1994 (1994-09-01)	2-4,11, 12
Y	page 9, line 1 - line 6 page 9, line 13 - line 16 page 12, line 8 - line 27 figures 5,16,21,24	9,14



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 document 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 February 2006

Date of mailing of the international search report

26. 05. 2006

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Leijten, M

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2005/004313

Box 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.: 10,19
because they relate to subject matter not required to be searched by this Authority, namely:
Claims shall not rely, in respect of the technical features of the invention, on references to the description or drawings (Rule 6.2(a) PCT).
2. ☒ Claims Nos.: 10,19
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:
see FURTHER INFORMATION sheet PCT/ISA/210
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 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 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.:
1-14, 17-20.

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.1

Claims Nos.: 10,19

Claims shall not rely, in respect of the technical features of the invention, on references to the description or drawings (Rule 6.2(a) PCT).

Continuation of Box II.2

Claims Nos.: 10,19

Claims shall not rely, in respect of the technical features of the invention, on references to the description or drawings (Rule 6.2(a) PCT).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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

1. claims: 1-14 and 17-20

A bag cartridge for a BIB container comprising a location and retention collar

2. claims: 15,16

Machine for installing and filling a bag cartridge

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2005/004313

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
GB 959306	A	27-05-1964	NONE	
US 5803346	A	08-09-1998	CA 2205145 A1	15-11-1997
WO 9419255	A	01-09-1994	NONE	