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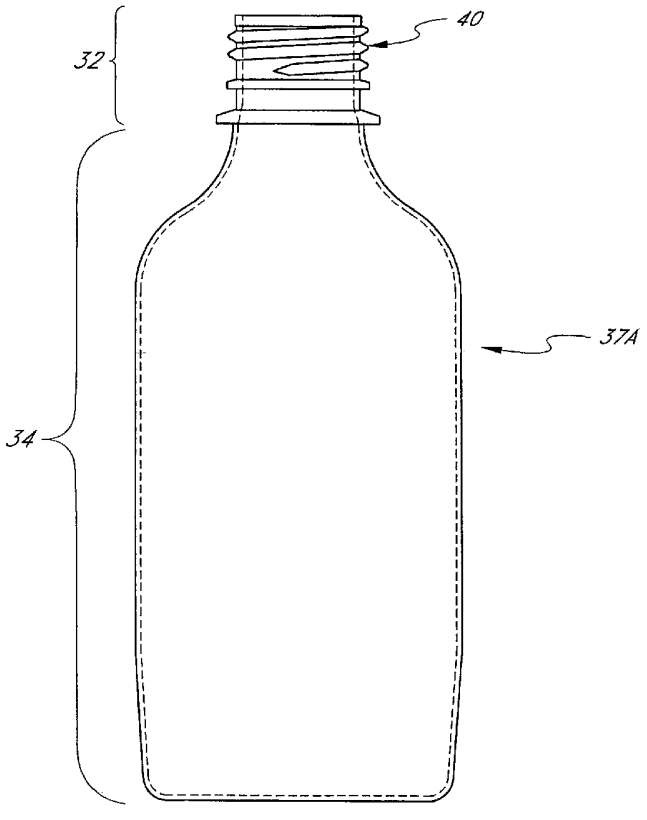
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[Continued on next page]

(54) Title: A BOTTLE, A METHOD OF FORMING THE BOTTLE, A LIQUID DISPENSING SYSTEM AND AN EXTRUDED PROFILE



(57) Abstract: An extruded blow molded bottle comprises a neck portion and a body portion. The body portion comprises a first inner layer and a second layer. The first inner layer comprises a first material selected from a group consisting of polyester, phenoxy type thermoplastics, phenoxy-polyolefin thermoplastic blends, and combinations thereof. The second layer comprises a second material selected from a group consisting of virgin PET, recycled PET, PETG, foam, polypropylene, polyester, polyolefins, phenoxy type thermoplastic, phenoxy-polyolefin thermoplastic blends, regrind scrap materials, and combinations thereof. The second material is different from the first material.

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A. CLASSIFICATION OF SUBJECT MATTER
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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 7 B65D B29C C08J F16L B67D

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 Y	EP 1 403 027 A (JSP CORPORATION) 31 March 2004 (2004-03-31) paragraphs '0001!, '0002!, '0005!, '0006!, '0019! - '0021!, '0032!, '0034!, '0086!, '0107!; figures 1-3	1-6,8,9, 11-14 7,10, 47-62
Y	US 2002/132100 A1 (ELFVING KLAS ET AL) 19 September 2002 (2002-09-19) paragraph '0001!	7,51,54, 60
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

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Date of the actual completion of the international search	Date of mailing of the international search report
28 October 2005	11. 11. 2005

Name and mailing address of the ISA	Authorized officer
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INTERNATIONAL SEARCH REPORT

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Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X Y	US 5 819 991 A (KOHN ET AL) 13 October 1998 (1998-10-13) column 2, line 6 - line 12 column 2, line 34 - line 50 column 3, line 40 - line 50	1,9,11, 12 47,61,62
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INTERNATIONAL SEARCH REPORT

Inter al Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6 019 254 A (KAMEYAMA ET AL) 1 February 2000 (2000-02-01) column 1, line 1 - line 9; figures 1-3 column 3, line 3 - line 21 column 3, line 57 - column 4, line 46	37,38, 43,44,46 40,42,45
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/013150

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.:
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 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.:

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

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

1. claims: 1-14, 47 (part), 49-62

Using an insulating foam layer.

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2. claims: 15-36, 47 (part)

Reusing scrap material

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3. claims: 37-46, 47 (part), 48

A liquid dispensing system.

INTERNATIONAL SEARCH REPORT

Inter al Application No
PCT/US2005/013150

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