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(54) Title: HOT-FILL CONTAINER HAVING VACUUM ABSORPTION SECTIONS

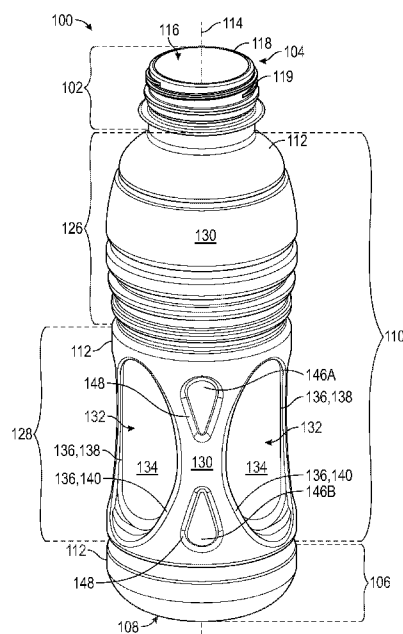


FIG. 1

(57) Abstract: The present disclosure describes a hot-fill container (100) for use with a hot-filling process. The container comprises vacuum absorption sections (132) that resist partial collapse and uncontrolled deformation of the container's walls during the hot-filling process. The vacuum absorption sections are asymmetrically-formed and include respective edge portions (136) and panel portions (134) configured to deform and pivot about a linear part of the edge portions when a vacuum is created inside the container. The edge portions have a curvilinear part (140) that is adapted to comfortably receive and engage a user's fingers during use of the container, making the container more user friendly. The vacuum absorption sections are arranged about the container's central longitudinal axis (114) such that their respective panel portions substantially form the sides of a polygon when viewed in top plan view. The polygon appears to be inscribed within an otherwise circular container periphery.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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 practicable, search terms used)

EP0-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	WO 00/50309 A1 (MELROSE DAVID MURRAY [NZ]) 31 August 2000 (2000-08-31) page 1, line 5 - line 15 page 7, line 6 - page 8, line 18 page 9, line 12 - page 26 page 10, line 18 - line 19; figures 1-4 -----	1-9
X A	US 2002/000421 A1 (OTA ATSUSHI [JP] ET AL) 3 January 2002 (2002-01-03) paragraph [0004] paragraph [0007] - paragraph [0008] paragraph [0011] paragraph [0022]; figures 1, 5 -----	1,2,7,9 3-5,8
X A	FR 2 883 258 A1 (SIDEL SAS [FR]) 22 September 2006 (2006-09-22) abstract; figures 3, 4a ----- -/--	1,2,7 3

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

☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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A	paragraph [0004] paragraph [0009] paragraph [0030]; figures 2, 5 -----	2-5,8
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