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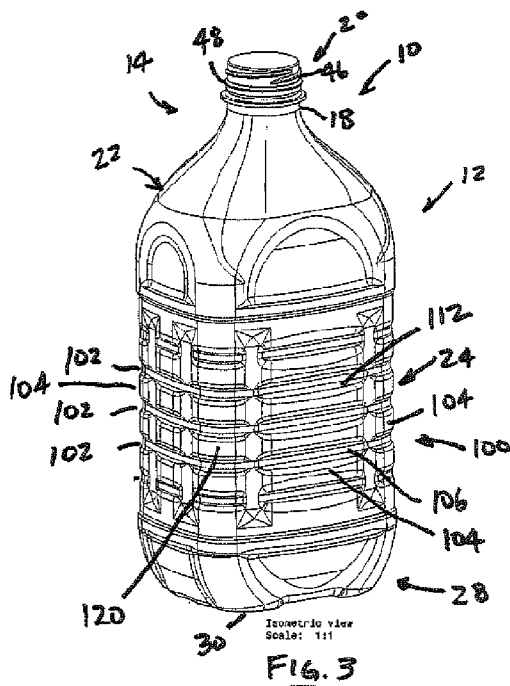
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(54) Title: PRESSURE RESISTANT VACUUM/LABEL PANEL



(57) Abstract: A container comprising a finish, a sidewall portion extending from the finish, a base portion extending from the sidewall portion and enclosing the sidewall portion to form a volume therein for retaining a commodity, and a plurality of horizontally disposed rib members disposed in at least one of the sidewall portion and the base portion. The plurality of horizontally disposed rib members is continuously disposed about the sidewall portion or the base portion and, in some embodiments, defines a perimeter length about 3-5% shorter than perimeter lengths of adjacent lands. The plurality of horizontally disposed rib members providing improved structural integrity such that a pre-fill size of the container is approximately equal to a post-filled, cooled size of the container.

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## INTERNATIONAL SEARCH REPORT

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**PCT/US2011/042393****A. CLASSIFICATION OF SUBJECT MATTER*****B65D 1/02(2006.01)i, B65D 1/42(2006.01)i, B65D 23/00(2006.01)i***

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 1/02; B65D 8/00; B65D 90/02; B29C 49/00

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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) &amp; Keywords: container, PET, rib, groove, perimeter, horizontal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2009-0283495 A1 (LANE, MICHAEL T. et al.) 19 November 2009 See page 2 paragraph [0022] - page 3 paragraph [0030] and figures 1, 2.	1-21
A	US 2007-0039918 A1 (LANE, MICHAEL T. et al.) 22 February 2007 See the whole document.	1-21
A	US 2008-0083696 A1 (NIEVIEROWSKI, JOHN A. et al.) 10 April 2008 See the whole document.	1-21
A	US 2006-0091102 A1 (BOURQUE, RAYMOND A. et al.) 04 May 2006 See the whole document.	1-21

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

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**PCT/US2011/042393**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2009-0283495 A1	19.11.2009	CA 2723864 A1	19.11.2009
		DOP201000341A	15.01.2011
		ECSP100679A	28.02.2011
		EP 2285699 A2	23.02.2011
		MX 2010012307 A	25.01.2011
		SV2010003729A	14.02.2011
		WO 2009-140335 A2	19.11.2009
		WO 2009-140335 A3	25.02.2010
		WO 2009-140335 A3	19.11.2009
		US 2007-0039918 A1	22.02.2007
US 2008-0083696 A1	10.04.2008	US 7874442 B2	25.01.2011
US 2006-0091102 A1	04.05.2006	US 2002-0096486 A1	25.07.2002
		US 2003-0136754 A1	24.07.2003
		US 2004-0195200 A1	07.10.2004
		US 6575321 B2	10.06.2003
		US 6749075 B2	15.06.2004
		US 7004342 B2	28.02.2006
		US 7350658 B2	01.04.2008