(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
24 September 2009 (24.09.2009)

PCT

(10) International Publication Number
WO 2009/117399 A3

(51) International Patent Classification:
G01M 3/24 (2006.01)

(21) International Application Number:
PCT/US2009/037376

(22) International Filing Date:
17 March 2009 (17.03.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/037,156 17 March 2008 (17.03.2008) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

(88) Date of publication of the international search report:
7 January 2010

(54) Title: METHOD AND APPARATUS FOR IMPROVED DETECTION OF HOLES IN PLASTIC CONTAINERS

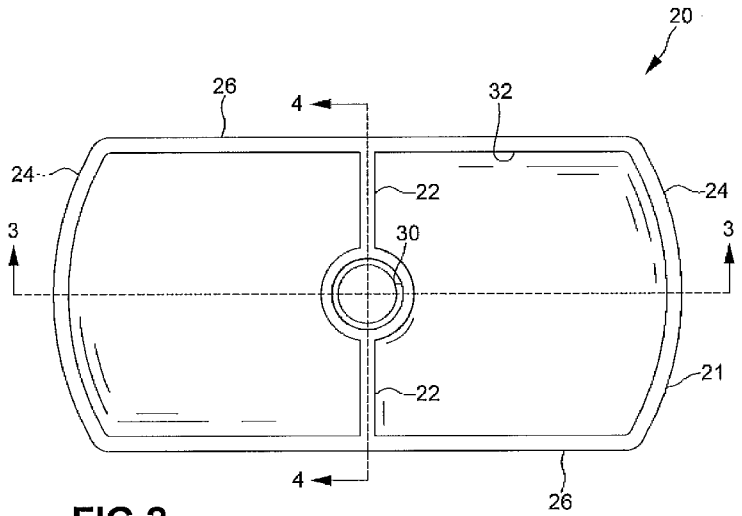


FIG.2

(57) Abstract: A method and apparatus for monitoring the production of blow molded plastic containers is disclosed, wherein the method and apparatus utilize a sound detector assembly adapted to be positioned adjacent a mold cavity during the introduction of pressure fluid to a preform in the mold cavity to form a container, the sound detector assembly including a reflector having a substantially conic cross-sectional shape and a sound detector and being responsive to a defect sound of the pressure fluid escaping from the interior of the container for generating an output signal.

WO 2009/117399 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/037376

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - G01M 3/24 (2009.01)
USPC - 73/40.5 A
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) - G01M 3/24 (2009.01)
USPC - 73/40.5 A

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)
USPTO EAST System (US, USPG-PUB, EPO, DERWENT), MicroPatent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2005/0181087 A1 (HAYWARD et al) 18 August 2005 (18.08.2005) entire document	1, 11-14 --- 2-10, 15-20
Y	US 5,780,724 A (OLENDER et al) 14 July 1998 (14.07.1998) entire document	2-4, 9, 10, 15, 18, 20
Y	US 2,967,298 A (RIGGINS et al) 03 January 1961 (03.01.1961) entire document	7-10,17-20
Y	US 2,334,484 A (DUNBAR) 16 November 1943 (16.11.1943) entire document	5, 6, 16
A	US 2006/0023910 A1 (TSUTSUMI) 02 February 2006 (02.02.2006) entire document	1-20
A	US 4,264,790 A (ZLEVOR) 28 April 1981 (28.04.1981) entire document	1-20
A	US 2003/0123683 A1 (RAICEVICH) 03 July 2003 (03.07.2003) entire document	1-20

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Date of the actual completion of the international search	Date of mailing of the international search report
06 May 2008	14 MAY 2009

Name and mailing address of the ISA/US	Authorized officer:
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