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(71) Applicant (for all designated States except US): **OK-LAHOMA SAFETY EQUIPMENT COMPANY, INC. (OSEC)** [US/US]; 1701 W. Tacoma, Broken Arrow, Oklahoma 74012 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **GOODYEAR, Eric Alan** [US/US]; 1708 S. Aster Ave., Broken Arrow, Oklahoma 74012 (US). **LORENZ, Adam Marcus** [US/US]; 205 N. Christy Street, Catoosa, Oklahoma 74015 (US).

(74) Agents: **KRATZ, Rudy** et al.; Fitch, Even, Tabin & Flannery, 120 S. LaSalle Street, Suite 1600, Chicago, Illinois 60603 (US).

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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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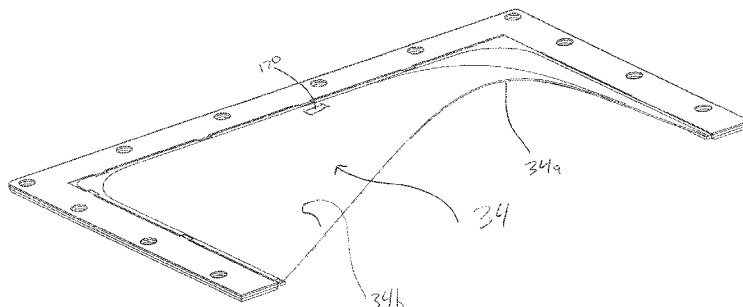
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(54) Title: APPARATUS, SYSTEM, AND METHOD FOR VENTING PRESSURE IN A PRESSURIZED SYSTEM

Fig. 6



(57) Abstract: In one form, a vent apparatus includes an inlet frame, a venting member, and a retainer member. The venting member includes a mounting portion, a weakened area or burst slit, and a domed portion. The mounting portion of the venting member is secured between the inlet frame and the retainer member. The retainer member includes vent retainer portions or tab portions that extend over the burst slit. The vent apparatus is configured to burst when an inlet pressure exceeds a predetermined level, where the tab portions will bend away and the venting member will bend past the tab portions to relieve the pressure. The inlet frame is configured to support against a vacuum pressure acting in the opposite direction, with the tab portions generally free from the load caused by the vacuum pressure.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 12/31576

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - E04B 1/00 (2012.01)

USPC - 52/98

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)
USPC - 52/98Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 137/68.25, 68.27; 220/89.1, 89.2; 429/53-56; 52/1, 2.11, 98, 99, 100, 200, 202, 232Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST - blast, explosion, vent, pressure, relief, rupture, panel, disc, slit, groove, weakened, slot, break, retainer, reinforce, tab, flange, hinge, frame, inner, interior, inside
Google - explosion vent panel retainer tab vacuum support frame

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 7,784,482 B2 (Farwell et al.) 31 August 2010 (31.08.2010), abstract, figs. 1-3, 6b, 6c, and 20-22, col. 1, ln 18-32, col. 6, ln 21-35, col. 9, ln 22 - col. 10, ln 16, col. 14, ln 29-67, and col. 15, ln 6 - col. 16, ln 26	1, 4, 5, 10, 12 and 17-20 ----- 2, 3, 6-9, 11, 13-16 and 21-24
Y	US 5,036,632 A (Short et al.) 06 August 1991 (06.08.1991), fig. 8, col. 4, ln 62 - col. 5, ln 7 and col. 5, ln 54 - col. 6, ln 4	2, 3, 8, 9, 11, 14-16 and 24
Y	US 6,367,203 B1 (Graham et al.) 09 April 2002 (09.04.2002), figs. 1 and 4 and col. 4, ln 21-39	6, 7, 13, 21 and 22
Y	US 7,237,698 B2 (Jackman) 03 July 2007 (03.07.2007), col. 9, ln 7-26	23
Y	US 2007/0234655 A1 (Jakus et al.) 11 October 2007 (11.10.2007), fig. 5 and para [0027 and 0035]	9 and 16
Y	US 6,070,365 A (Leonard) 06 June 2000 (06.06.2000), fig. 2, and col. 8, ln 8-27	22
A	US 7,735,671 B2 (Eijkelenberg et al.) 15 June 2010 (15.06.2010), abstract, figs. 3 and 4	1-24
A	US 2007/0181183 A1 (Farwell et al) 09 August 2007 (09.08.2007), abstract, fig.17	1-24

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

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

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"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

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Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents
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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774