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(54) Title: GAS SUSPENSION MEMBER AND METHOD

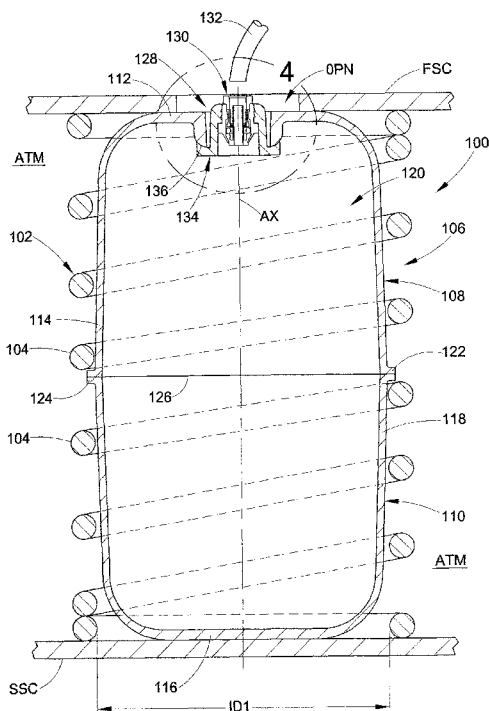


FIG. 1

(57) Abstract: A gas suspension member (106) includes a first section (108) and a second section (110). The first section includes an end wall (112) and a side wall (114) that at least partially form an inner chamber (120). An opening (192) is formed through the end wall. A connector fitting (130) is embedded within a cover wall (134) that extends across the opening. The end wall has a first flexural stiffness and the cover wall has a second flexural stiffness that is greater than the first flexural stiffness of the end wall. A gas suspension assembly (100) includes a first spring device (102) used in combination with the gas suspension member. A method (300) of forming a gas suspension member is also disclosed.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/059830**A. CLASSIFICATION OF SUBJECT MATTER*****F16F 9/084(2006.01)i, F16F 9/08(2006.01)i, B60G 11/27(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)

F16F 9/084; F16F 9/02; F16F 9/04; F16F 9/36

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

(Chinese Patents and application for patent)

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

eKOMPASS(KIPO internal) & Keywords: gas, spring, stiffness, and polymeric

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006-0091592 A1 (BFS DIVERSIFIED PRODUCTS, LLC) 04 May 2006 See paragraphs 0023 - 0027 and figures 2, 4	1-16
A	US 3727899 A (AIR LIFT COMPANY) 17 April 1973 See column 4, line 17 - column 4, line 50 and figure 1	1-16
A	JP 05-052231 A (NEW PORT CORP.) 02 March 1993 See paragraphs 0018 - 0020 and figure 1	1-16
A	JP 2008-157343 A (PASCAL ENGINEERING CORP.) 10 July 2008 See paragraphs 0017 - 0020 and figure 2	1-16



Further documents are listed in the continuation of Box C.



See patent family annex.

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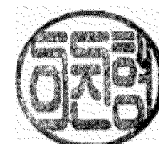
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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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