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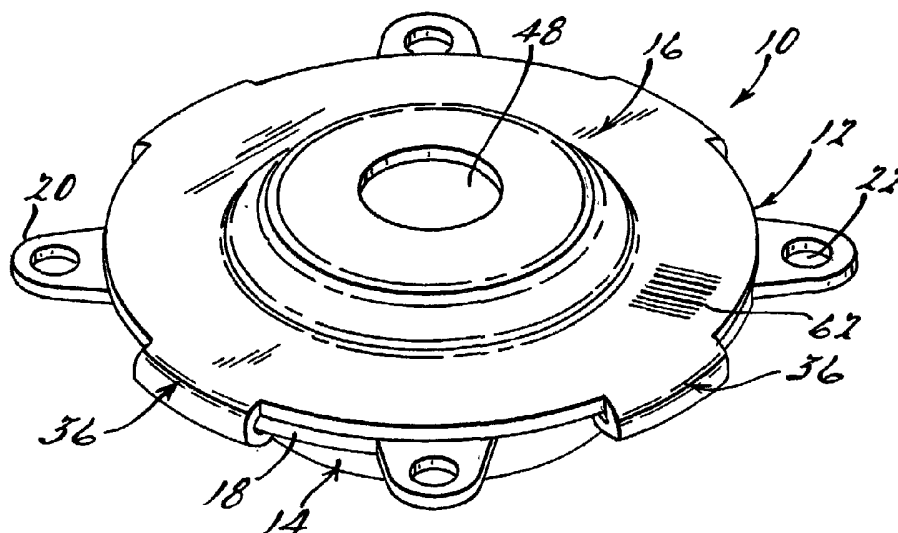
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GAS GENERATOR



(57) **Abstract:** The present invention provides a gas generator (10) that includes a housing (12) formed from coupling a cap (14) and a base (16) in nested relationship. At least one attachment member (20) is preferably formed symmetrically about and integral to a peripheral flange (18) of the cap (14). The contour of a peripheral edge (60) formed from recessed and protruding portions provides interlocking communication between the cap (14) and the base (16). A plurality of hook members (36) is symmetrically formed about the peripheral edge (38) of the base (16). Each hook member (36) corresponds to a respective protruding portion (30) of the cap (14). An arcuate groove (40) is formed by an inner wall (42) of each respective hook member (36). The groove (40) is preferably tapered whereby the arcuate length of the groove or the inner wall (42) is greater at the first end (44) than at the second end (46). As a result, the base (16) when rotatably fixed to the cap (14) provides an interference fit at the hook/cap periphery interface.

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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B60R 21/28

US CL : 280/741

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)

U.S. : 280/741, 736; 102/530, 531

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)

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 5,525,306 A (SCHMUCKER et al) 11 June 1996 (11.06.1996), column 3, lines 18 and 55.	1, 10, and 14 ----- 12, 13
X --- Y	US 5,753,852 A (BERNAU et al) 19 May 1998 (19.05.1998), column 2, lines 42-44; see figure 2A; see figure 1.	1 ----- 2, 3, 7, and 9
Y	US 4,590,041 A (HILL) 20 May 1986 (20.05.1986), column 3, line 55.	7, 12
Y,E	US 6,655,289 B1 (BORNHEIM et al) 02 December 2003 (02.12.2003), column 5, lines 38-45.	9 and 13
A	US 3,375,656 A (O.M. HAWKINS) 02 April 1968 (02.04.1968), see entire document.	
A	US 5,062,367 A (HAYASHI et al) 05 November 1991 (05.11.1991), see entire document.	
A	US 5,445,406 A (JONES) 29 August 1995 (29.08.1995) see entire document.	

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

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"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,762,364 A (CUEVAS) 09 June 1998 (09.06.1998), see entire document.	
A	DE 195 35 028 A1 (FURST et al) 27 March 1997 (27.03.1997), see entire document.	