

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 November 2006 (09.11.2006)

PCT

(10) International Publication Number
WO 2006/119293 A3

- (51) International Patent Classification:
B60R 21/16 (2006.01)
- (21) International Application Number:
PCT/US2006/016847
- (22) International Filing Date: 1 May 2006 (01.05.2006)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/676,666 29 April 2005 (29.04.2005) US
11/414,118 28 April 2006 (28.04.2006) US
- (71) Applicant (for all designated States except US): **AUTO-MOTIVE SYSTEMS LABORATORY, INC.** [US/US];
69700 Powell Road, Armada, Michigan 48005 (US).
- (72) Inventor: **BLACKBURN, Jeffery S.**; 954 Ridgeview Circle, Lake Orion, Michigan 48362 (US).
- (74) Agents: **BEGIN, Laurence C.** et al.; L.C. BEGIN & ASSOCIATES, PLLC, 510 HIGHLAND AVENUE, PMB 403, Milford, Michigan 48381 (US).

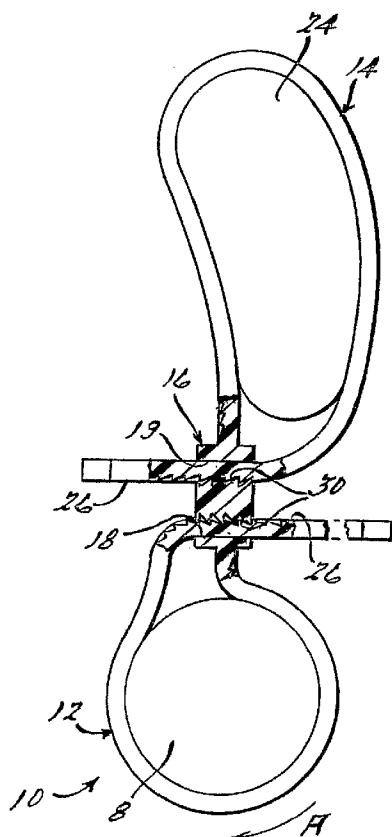
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC,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

[Continued on next page]

(54) Title: GAS GENERATOR ASSEMBLY MOUNTING MECHANISM



(57) Abstract: A vehicle occupant protection system (180) includes an inflatable vehicle occupant restraint device (202) positioned in the vehicle, and a gas generating system (8) coupled to the inflatable restraint device (202) for providing inflation fluid to inflate the vehicle occupant restraint device. The gas generating system (8) is secured to the vehicle by a mounting mechanism (10) having a first strap (12) wrapped around a portion of the gas generating system (8) and a second strap (14) coupled to the first strap (12) and wrapped around a portion (24) of the vehicle.

WO 2006/119293 A3



(88) Date of publication of the international search report:

27 December 2007

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.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US06/16847

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - B60R 21/16 (2007.01) USPC - 280/728.2 According to International Patent Classification (IPC) or to both national classification and IPC</p>														
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC(8) - B60R 21/16 (2007.01) USPC - 280/728.2; 24/16pb</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>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, IP.com, DialogPro</p>														
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>X ---</td> <td>US 4,942,644 A (ROWLEY) 24 July 1990 (24.07.1990) the entire document</td> <td>1, 2, 4-7, 9 -----</td> </tr> <tr> <td>Y</td> <td></td> <td>3, 8, 10-13</td> </tr> <tr> <td>Y</td> <td>US 6,082,761 A (KATO et al) 04 July 2000 (04.07.2000) the entire document</td> <td>3, 8, 10-13</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X ---	US 4,942,644 A (ROWLEY) 24 July 1990 (24.07.1990) the entire document	1, 2, 4-7, 9 -----	Y		3, 8, 10-13	Y	US 6,082,761 A (KATO et al) 04 July 2000 (04.07.2000) the entire document	3, 8, 10-13
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.												
X ---	US 4,942,644 A (ROWLEY) 24 July 1990 (24.07.1990) the entire document	1, 2, 4-7, 9 -----												
Y		3, 8, 10-13												
Y	US 6,082,761 A (KATO et al) 04 July 2000 (04.07.2000) the entire document	3, 8, 10-13												
<p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/></p>														
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td style="vertical-align: top;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="vertical-align: top;"> <p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p> </td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p>										
<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p>													
<p>Date of the actual completion of the international search 30 July 2007</p>		<p>Date of mailing of the international search report 21 SEP 2007</p>												
<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Blaine R. Copenheaver</p> <p>PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>												