

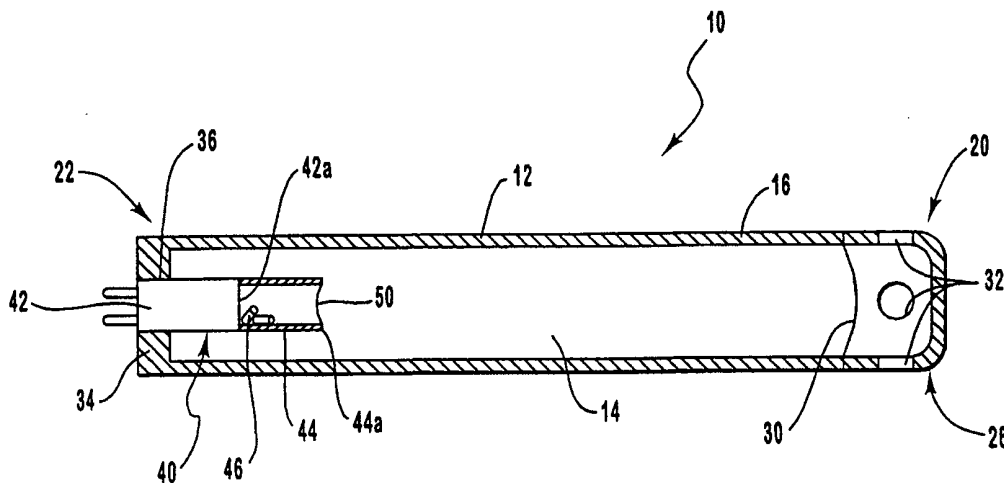


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<p>(21) International Application Number: PCT/US99/15466</p> <p>(22) International Filing Date: 9 July 1999 (09.07.99)</p> <p>(30) Priority Data: 09/112,838 10 July 1998 (10.07.98) US</p> <p>(71) Applicant: AUTOLIV ASP, INC. [US/US]; 3350 Airport Road, Ogden, UT 84405 (US).</p> <p>(72) Inventors: RINK, Karl, K.; 3711 East 4350 North, Liberty, UT 84310 (US). GREEN, David, J.; 632 West 300 North, Brigham City, UT 84302 (US). HARRIS, Bradley, D.; 761 Southampton Court, Farmington, UT 84025 (US).</p> <p>(74) Agent: BROWN, Sally, J.; Autoliv ASP, Inc., 3350 Airport Road, Ogden, UT 84405 (US).</p>	<p>(81) Designated States: BR, JP, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published <i>With international search report.</i></p> <p>(88) Date of publication of the international search report: 13 April 2000 (13.04.00)</p>
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(54) Title: HEAT SOURCE FOR AIRBAG INFLATION GAS GENERATION VIA A DISSOCIATING MATERIAL



(57) Abstract

An apparatus and method for inflating an inflatable device (10) which involve a heat source (40) composed of a load of fuel material and an initiator (42) is actuatable to be in heat transmitting communication such as to initiate dissociation of a gas source material (14) to form at least one gaseous dissociation product used to inflate the inflatable device.

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INTERNATIONAL SEARCH REPORT

Inte. .onal application No.
PCT/US99/15466

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) :B60R 21/26, 21/28; C06B 29/08
US CL :280/737, 741; 149/83

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. : 280/737, 741; 149/83

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)

EAST text
search terms: initiator, nitrous oxide, dissociation, hybrid, potassium perchlorate, zirconium

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,531,473 A (RINK et al) 02 JULY 1996, col. 3 lines 5-25, col. 19, lines 60-65.	1-32
X	US 5,669,629 A (RINK) 23 SEPTEMBER 1997, col. 3, lines 20-55, col. 7, lines 40-45.	1-32
X, E	US 5,931,495 A (RINK et al) 03 AUGUST 1999, abstract, col. 4, lines 20-25, 55-60.	1-32
Y	US 5,494,312 A (RINK) 27 FEBRUARY 1996, col. 4, lines 39-58.	1-32
A, E	US 5,924,728 A (EVANS et al) 20 JULY 1999.	1-32
A, P	US 5,884,938 A (RINK et al) 23 MARCH 1999.	1-32
A, P	US 5,806,885 A (HOCK) 15 SEPTEMBER 1998.	1-32

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

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Date of the actual completion of the international search

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