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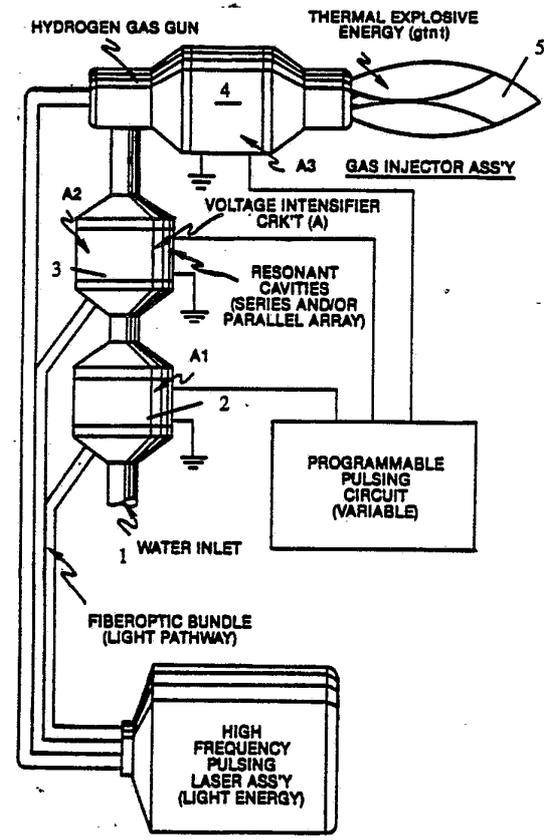
<p>(51) International Patent Classification <sup>4</sup> :  H05H 15/00</p>	<p>A3</p>	<p>(11) International Publication Number: <b>WO 89/ 01464</b>  (43) International Publication Date: 23 February 1989 (23.02.89)</p>
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(21) International Application Number: PCT/US88/02680  
 (22) International Filing Date: 4 August 1988 (04.08.88)  
 (31) Priority Application Number: 081,859  
 (32) Priority Date: 5 August 1987 (05.08.87)  
 (33) Priority Country: US  
  
 (71)(72) Applicant and Inventor: MEYER, Stanley, A. [US/US]; 3792 Broadway, Grove City, OH 43123 (US).  
 (74) Agent: BARANOWSKI, Edwin, M.; Porter, Wright, Morris & Arthur, 41 S. High Street, Columbus, OH 43215 (US).  
  
 (81) Designated States: AT (European patent), BE (European patent), CH (European patent), DE (European patent), FR (European patent), GB (European patent), IT (European patent), JP, LU (European patent), NL (European patent), SE (European patent).

**Published**  
 With international search report.  
 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.  
  
 (88) Date of publication of the international search report:  
 9 March 1989 (09.03.89)

(54) Title: CONTROLLED PROCESS FOR THE PRODUCTION OF THERMAL ENERGY FROM GASES AND APPARATUS USEFUL THEREFOR

(57) Abstract  
 A method of and apparatus for obtaining the release of energy from a gas mixture including hydrogen and oxygen in which charged ions are stimulated to an activated state, and then passed through a resonant cavity, where successively increasing energy levels are achieved, and finally passed to an outlet orifice to produce thermal explosive energy.



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# INTERNATIONAL SEARCH REPORT

International Application No. **PCT/US88/02680**

<b>I. CLASSIFICATION OF SUBJECT MATTER</b> (if several classification symbols apply, indicate all) <sup>6</sup>		
According to International Patent Classification (IPC) or to both National Classification and IPC		
INT. CL. <sup>4</sup> H05H 15/00		
U.S. CL.    204/157.41		
<b>II. FIELDS SEARCHED</b>		
Minimum Documentation Searched <sup>7</sup>		
Classification System	Classification Symbols	
U.S.	204/157.41, 164, Dig. 11	
Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched <sup>8</sup>		
<b>III. DOCUMENTS CONSIDERED TO BE RELEVANT</b> <sup>9</sup>		
Category *	Citation of Document, <sup>11</sup> with indication, where appropriate, of the relevant passages <sup>12</sup>	Relevant to Claim No. <sup>13</sup>
X	US,A, 4,233,109 (NISHIZAWA) 11 November 1980, See figure 7 and entire specification.	2
A	US,A, 4,406,765 (HIGASHI ET AL) 27 September 1983, See abstract and figure 7.	
A,P	US,A, 4,687,753 (FIATO ET AL) 18 August 1987, See abstract and figure 1.	
A,P	US,A, 4,695,357 (BOUSSERT) 22 September 1987, See abstract and figure 1.	
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<b>IV. CERTIFICATION</b>		
Date of the Actual Completion of the International Search		Date of Mailing of this International Search Report
29 January 1989		<b>08 FEB 1989</b>
International Searching Authority		Signature of Authorized Officer <i>Stephen J. Kalafut</i>
ISA/US		Stephen J. Kalafut