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(71) Applicants and
(72) Inventors: **SMOLA, Matthew, M.** [US/US]; 6380 So. Gibraltar Circle, Centennial, CO 80016 (US). **SCHUBERT, Frank** [US/US]; 60 Companion Way, Pacific Grove, CA 93950 (US).

(74) Agent: **GALLOWAY, Peter, D.**; Ladas & Parry LLP, 26 West 61st Street, New York, NY 10023 (US).

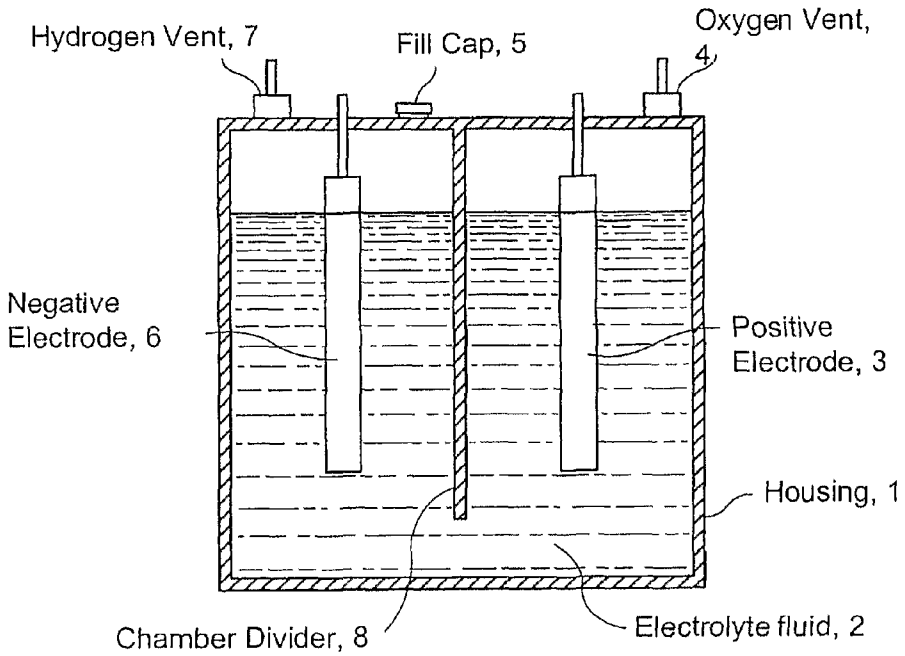
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[Continued on next page]

(54) **Title:** DEVICE FOR GENERATING HYDROGEN FOR USE IN INTERNAL COMBUSTION ENGINES



(57) **Abstract:** An electrolysis conversion system for converting water into hydrogen and oxygen, includes a housing (1) in which are housed electrodes (3, 6). The electrodes (3, 6) are immersed in an electrolyte (2) and are connected to a positive and negative sides of an energy source. The housing (1) is a non conductive material that has chambers to separate the hydrogen and the oxygen. The present invention further discloses a method of utilizing the electrolyzer in conjunction with the fuel system of an internal combustion engine to improve the efficiency of said internal combustion engines.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. F02B43/10 C25B13/02 F02M25/12

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)
F02B C25B F02M

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 practical, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 311 097 A (MITTELSTAEDT GEORG S) 28 March 1967 (1967-03-28) the whole document	1-16
X	GB 1 554 140 A (TALENTI P) 17 October 1979 (1979-10-17) the whole document	1-16
A	US 4 110 191 A (SPECHT STEVEN J ET AL) 29 August 1978 (1978-08-29) abstract	1,16
A	GB 936 616 A (TNO) 11 September 1963 (1963-09-11) the whole document	

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	von Arx, Hans

INTERNATIONAL SEARCH REPORT

Information on patent family members

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