

Title (en)

APPARATUS AND METHOD FOR THE CONVERSION OF WATER INTO A NEW GASEOUS AND COMBUSTIBLE FORM AND THE COMBUSTIBLE GAS FORMED THEREBY

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UMWANDLUNG VON WASSER IN EINE NEUE GASFÖRMIGE UND BRENNBARE FORM UND DAS DADURCH GEBILDETE BRENNBARE GAS

Title (fr)

APPAREIL ET PROCEDE DE CONVERSION D'EAU EN UN NOUVELLE FORME COMBUSTIBLE ET GAZEUSE ET GAZ COMBUSTIBLE FORME DE CETTE FA ON

Publication

EP 1711648 A4 20070829 (EN)

Application

EP 04821337 A 20040421

Priority

- US 2004012498 W 20040421
- US 76033604 A 20040120

Abstract (en)

[origin: US2004149591A1] An electrolyzer which decomposes distilled water into a new fuel composed of hydrogen, oxygen and their molecular and magnecular bonds, called HHO. The electrolyzer can be used to provide the new combustible gas as an additive to combustion engine fuels or in flame or other generating equipment such as torches and welders. The new combustible gas is comprised of clusters of hydrogen and oxygen atoms structured according to a general formula H_mO_n wherein m and n have null or positive integer values with the exception that m and n can not be 0 at the same time, and wherein said combustible gas has a varying energy content depending on its use.

IPC 8 full level

B01J 4/00 (2006.01); **B01J 7/00** (2006.01); **B01J 19/08** (2006.01); **C01B 3/00** (2006.01); **C01B 13/00** (2006.01); **C09D 7/12** (2006.01); **C10L 3/00** (2006.01); **C10L 5/00** (2006.01); **C25B 9/17** (2021.01); **C25B 15/00** (2006.01); **G21K 1/00** (2006.01); **H01F 1/00** (2006.01); **B23K 35/38** (2006.01)

CPC (source: EP US)

B01J 4/00 (2013.01 - EP US); **B01J 7/00** (2013.01 - EP US); **B01J 19/088** (2013.01 - EP US); **C01B 3/00** (2013.01 - EP US); **C01B 3/0094** (2013.01 - EP US); **C01B 5/00** (2013.01 - EP US); **C01B 13/00** (2013.01 - EP US); **C10L 3/00** (2013.01 - EP US); **C10L 5/00** (2013.01 - EP US); **C25B 1/04** (2013.01 - EP US); **C25B 9/17** (2021.01 - EP US); **C25B 11/00** (2013.01 - EP US); **C25B 15/00** (2013.01 - EP US); **G21K 1/00** (2013.01 - EP US); **H01F 1/00** (2013.01 - EP US); **B01J 2219/0809** (2013.01 - EP US); **B01J 2219/0828** (2013.01 - EP US); **B01J 2219/0877** (2013.01 - EP US); **B01J 2219/0894** (2013.01 - EP US); **B23K 35/38** (2013.01 - EP US); **Y02E 60/32** (2013.01 - US); **Y02E 60/36** (2013.01 - EP US)

Citation (search report)

- [E] US 2004074781 A1 20040422 - KLEIN DENNIS [US]
- [A] US 2001038087 A1 20011108 - SANTILLI RUGGERO MARIA [US]
- See references of WO 2005076767A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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