

Title (en)
OXYGEN/HYDROGEN GENERATOR FOR INTERNAL COMBUSTION ENGINES

Title (de)
SAUERSTOFF/WASSERSTOFF-GENERATOR FÜR BRENNKRAFTMASCHINEN

Title (fr)
GENERATEUR D'OXYGENE / HYDROGENE POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 1689912 A4 20070926 (EN)

Application
EP 04818368 A 20041115

Priority
• CA 2004001964 W 20041115
• CA 2449538 A 20031114

Abstract (en)
[origin: WO2005047568A1] A hydrolytic cell consists of upper and lower chambers sealed from each other by a divider, with one or more openings in the divider for the passage of gas into the upper chamber. Liquid is prevented from entering the upper chamber by gas-permeable filters such as Hastelloy(TM) metal filters. Also disclosed is an electrode consisting either of a generally vertical stack of spaced apart perforated disks or porous metal filters such as Hastelloy filters, mounted to a conductive rod. A level sensing system is disclosed, consisting of a light source and detector which directs light into the lower chamber which is reflected off of a reflector within the chamber, such that the liquid level is detected at the level of the detector by a reduced light intensity.

IPC 8 full level
C25B 1/02 (2006.01); **C25B 1/04** (2006.01); **C25B 1/06** (2006.01); **C25B 9/06** (2006.01); **C25B 9/17** (2021.01); **C25B 11/02** (2006.01); **C25B 11/03** (2006.01); **C25B 11/04** (2006.01); **C25B 15/02** (2006.01)

CPC (source: EP US)
C25B 1/04 (2013.01 - EP US); **C25B 9/17** (2021.01 - EP US); **C25B 11/00** (2013.01 - EP US); **C25B 11/03** (2013.01 - EP US); **Y02E 60/36** (2013.01 - EP US)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005047568 A1 20050526; **WO 2005047568 B1 20050714**; CA 2449538 A1 20050514; CA 2546166 A1 20050526; CN 1902339 A 20070124; EP 1689912 A1 20060816; EP 1689912 A4 20070926; US 2008047830 A1 20080228

DOCDB simple family (application)
CA 2004001964 W 20041115; CA 2449538 A 20031114; CA 2546166 A 20041115; CN 200480039252 A 20041115; EP 04818368 A 20041115; US 59580604 A 20041115