

Title (en)

SELF-REGULATED PRODUCTION, UNDER SUBMERGED CONDITIONS, OF A GAS GENERATED BY CHEMICAL REACTION BETWEEN A LIQUID AND A SOLID; ASSOCIATED DEVICE

Title (de)

"SELBSTREGULIERTE HERSTELLUNG EINES DURCH EINE CHEMISCHE REAKTION ZWISCHEN EINER FLÜSSIGKEIT UND EINEM FESTSTOFF ERZEUGTEN GASES UNTER TAUCHBEDINGUNGEN; ZUGEHÖRIGE VORRICHTUNG "

Title (fr)

PRODUCTION AUTOREGULEE, EN CONDITION IMMERGEE, D'UN GAZ GENERE PAR REACTION CHIMIQUE ENTRE UN LIQUIDE ET UN SOLIDE; DISPOSITIF ASSOCIE.

Publication

EP 2658641 A1 20131106 (FR)

Application

EP 11815548 A 20111228

Priority

- FR 1061374 A 20101230
- FR 2011053201 W 20111228

Abstract (en)

[origin: WO2012089984A1] The present invention relates to a process for the self-regulated production as a function of the demand, under submerged conditions, of a gas (G), said gas (G) being generated by a chemical reaction between a liquid (L) and a solid (S) (hydrogen generated by hydrolysis of a metal hydride, for example) and not being polluted between the generation thereof and the delivery thereof. The present invention also relates to a device (1) suitable for the implementation of said process.

IPC 8 full level

B01J 7/02 (2006.01); **C01B 3/06** (2006.01)

CPC (source: EP KR US)

B01J 7/02 (2013.01 - EP KR US); **C01B 3/06** (2013.01 - KR US); **C01B 3/065** (2013.01 - EP US); **C01B 3/10** (2013.01 - EP US); **B01J 2219/00182** (2013.01 - EP US); **Y02E 60/36** (2013.01 - EP US)

Citation (search report)

See references of WO 2012089984A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2012089984 A1 20120705; AU 2011350979 A1 20130801; BR 112013015913 A2 20160920; CA 2822394 A1 20120705; CN 103282111 A 20130904; CN 103282111 B 20160504; EP 2658641 A1 20131106; FR 2969934 A1 20120706; FR 2969934 B1 20130125; JP 2014507262 A 20140327; KR 20140008336 A 20140121; RU 2013134429 A 20150210; RU 2573888 C2 20160127; US 2014147375 A1 20140529; US 9199843 B2 20151201

DOCDB simple family (application)

FR 2011053201 W 20111228; AU 2011350979 A 20111228; BR 112013015913 A 20111228; CA 2822394 A 20111228; CN 201180063733 A 20111228; EP 11815548 A 20111228; FR 1061374 A 20101230; JP 2013546759 A 20111228; KR 20137020294 A 20111228; RU 2013134429 A 20111228; US 201113976862 A 20111228