

Title (en)

INTERNAL COMBUSTION ENGINE SUPPLIED WITH FUEL AND EQUIPPED WITH A LOW-PRESSURE EXHAUST GAS RECIRCULATION CIRCUIT AND WITH AN ADDITIONAL SYSTEM FOR PRODUCING HYDROGEN

Title (de)

MIT KRAFTSTOFF VERSORGTER UND MIT EINEM NIEDERDRUCK-ABGASRÜCKFÜHRKREIS SOWIE EINEM ZUSÄTZLICHEN SYSTEM ZUR WASSERSTOFFERZEUGUNG AUSGERÜSTETER VERBRENNUNGSMOTOR

Title (fr)

MOTEUR À COMBUSTION INTERNE ALIMENTÉ EN CARBURANT MUNI D'UN CIRCUIT DE RECIRCULATION DES GAZ D'ÉCHAPPEMENT À BASSE PRESSION ET D'UN SYSTÈME DE PRODUCTION D'HYDROGÈNE SUPPLÉMENTAIRE

Publication

EP 2577029 A1 20130410 (FR)

Application

EP 11727228 A 20110519

Priority

- FR 1054362 A 20100603
- FR 2011051129 W 20110519

Abstract (en)

[origin: WO2011151560A1] Internal combustion engine supplied with fuel and equipped with a low-pressure exhaust gas recirculation circuit and with an additional system for producing hydrogen. Internal combustion engine (1) supplied with fuel and equipped with a turbocharger (2), with a low-pressure circuit for the partial recirculation of the exhaust gases (5) and with an additional hydrogen production system (11) comprising a fuel reformer (17). The reformer (17) is supplied by an inlet pipe (13) tapped off an air intake pipe (6) of the internal combustion engine (1) downstream of the compressor (2b) of the turbocharger (2), the reformer comprising an outlet pipe (18) tapped into the air intake pipe (6) of the internal combustion engine (1). Reference: Figure

IPC 8 full level

F02D 19/08 (2006.01); **F02M 25/07** (2006.01); **F02M 25/12** (2006.01); **F02M 27/02** (2006.01); **F02M 35/108** (2006.01)

CPC (source: EP US)

F02D 19/0644 (2013.01 - EP); **F02D 19/0671** (2013.01 - EP); **F02D 19/081** (2013.01 - EP); **F02M 25/12** (2013.01 - EP US); **F02M 26/06** (2016.02 - EP); **F02M 27/02** (2013.01 - EP); **F02M 35/108** (2013.01 - EP US); **F02B 29/0406** (2013.01 - EP); **F02M 26/10** (2016.02 - EP); **F02M 35/112** (2013.01 - EP US); **Y02T 10/12** (2013.01 - EP); **Y02T 10/30** (2013.01 - EP)

Citation (search report)

See references of WO 2011151560A1

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)

FR 2960915 A1 20111209; EP 2577029 A1 20130410; WO 2011151560 A1 20111208

DOCDB simple family (application)

FR 1054362 A 20100603; EP 11727228 A 20110519; FR 2011051129 W 20110519