

Title (en)

ENERGY GENERATION SYSTEM, MOTOR VEHICLE AND GENERATOR SET COMPRISING SUCH A SYSTEM

Title (de)

ENERGIEERZEUGUNGSSYSTEM, KRAFTFAHRZEUG UND GENERATORSATZ MIT SOLCH EINEM SYSTEM

Title (fr)

SYSTÈME DE GÉNÉRATION D'ÉNERGIE, VÉHICULE AUTOMOBILE ET GROUPE ÉLECTROGÈNE COMPRENANT UN TEL SYSTÈME

Publication

**EP 3080428 A1 20161019 (FR)**

Application

**EP 13821841 A 20131211**

Priority

- FR 2013000335 W 20131211
- CH 27952012 A 20121214

Abstract (en)

[origin: WO2014091094A1] The invention concerns an energy generation system comprising a first generator producing electrical energy, an electrolyser producing oxygen and hydrogen from electricity and water, a heat exchanger producing a high-pressure gas from a refrigerant, a turbine producing rotational energy from the high-pressure gas and arranged to rotate the generator, and a heat energy producing rotational energy, said heat engine being supplied with hydrogen, oxygen and fuel.

IPC 8 full level

**F02M 25/12** (2006.01); **F01K 23/06** (2006.01); **F01P 9/06** (2006.01); **F02D 19/06** (2006.01); **F02G 5/02** (2006.01)

CPC (source: CH EP)

**F01K 23/14** (2013.01 - EP); **F02D 19/0644** (2013.01 - EP); **F02M 25/12** (2013.01 - CH EP); **F02B 2043/106** (2013.01 - EP); **Y02E 20/34** (2013.01 - EP); **Y02E 60/36** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP); **Y02T 10/30** (2013.01 - EP); **Y02T 90/40** (2013.01 - EP)

Citation (search report)

See references of WO 2014091094A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2014091094 A1 20140619**; CH 707416 A1 20140630; EP 3080428 A1 20161019

DOCDB simple family (application)

**FR 2013000335 W 20131211**; CH 27952012 A 20121214; EP 13821841 A 20131211