

Title (en)

METHOD FOR OBTAINING ENERGY FROM AN EXHAUST FLOW AND MOTOR VEHICLE

Title (de)

VERFAHREN ZUM GEWINNEN VON ENERGIE AUS EINEM ABGASSTROM SOWIE KRAFTFAHRZEUG

Title (fr)

PROCÉDÉ DE PRODUCTION D'ÉNERGIE A PARTIR D'UN COURANT DE GAZ D'ÉCHAPPEMENT, ET VÉHICULE À MOTEUR CORRESPONDANT

Publication

**EP 2260185 A2 20101215 (DE)**

Application

**EP 09718002 A 20090224**

Priority

- EP 2009001287 W 20090224
- DE 102008012907 A 20080306

Abstract (en)

[origin: WO2009109311A2] The invention relates to a motor vehicle with an internal combustion engine (10), wherein the exhaust flow coming therefrom is used as heat source for a Clausius-Rankine cycle process. The capacity of a pump (14) pumping to the Clausius-Rankine cycle is variable and is adjusted through the action of a controller (24), depending on the exhaust mass flow and possibly also the exhaust temperature. The invention permits the application of a unique Clausius-Rankine cycle in a motor vehicle.

IPC 8 full level

**F01K 23/06** (2006.01)

CPC (source: EP US)

**F01K 15/02** (2013.01 - EP US); **F01K 23/065** (2013.01 - EP US); **F01K 23/101** (2013.01 - EP US)

Citation (search report)

See references of WO 2009109311A2

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102008012907 A1 20090910**; EP 2260185 A2 20101215; JP 2011519398 A 20110707; US 2011056203 A1 20110310; US 8572964 B2 20131105; WO 2009109311 A2 20090911; WO 2009109311 A3 20110519

DOCDB simple family (application)

**DE 102008012907 A 20080306**; EP 09718002 A 20090224; EP 2009001287 W 20090224; JP 2010549036 A 20090224; US 80745410 A 20100903