

Title (en)

ASSEMBLY AND METHOD FOR THE OPERATION OF AN INTERNAL COMBUSTION ENGINE WITH TWO DIFFERENT FUEL TYPES

Title (de)

ANORDNUNG UND VERFAHREN ZUM BETRIEB EINER BRENNKRAFTMASCHINE MIT ZWEI UNTERSCHIEDLICHEN KRAFTSTOFFARTEN

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR FAIRE FONCTIONNER UN MOTEUR À COMBUSTION INTERNE AVEC DEUX TYPES DE CARBURANTS DIFFÉRENTS

Publication

EP 1991772 A1 20081119 (DE)

Application

EP 07722934 A 20070226

Priority

- EP 2007001622 W 20070226
- DE 102006008902 A 20060227

Abstract (en)

[origin: WO2007098900A1] The invention relates to an assembly and a method for an internal combustion engine which can be operated with a first and a second fuel type, the first fuel type being provided with enough lubricating power for the valve seats of the internal combustion engine. The inventive assembly comprises two fuel circuits which are assigned at least in part to the different fuel types, and at least one electronic control device that controls operation of the internal combustion engine with the first and the second fuel type. Operation of the internal combustion engine is controlled such that the first fuel type is fed to the internal combustion engine during predefined intervals.

IPC 8 full level

F02D 19/06 (2006.01); **F02D 19/08** (2006.01)

CPC (source: EP US)

F02D 19/0615 (2013.01 - EP US); **F02D 19/0647** (2013.01 - EP US); **F02D 19/0694** (2013.01 - EP US); **F02D 41/0025** (2013.01 - EP US); **F02D 19/066** (2013.01 - EP US); **F02D 41/0027** (2013.01 - EP US); **Y02T 10/30** (2013.01 - EP US)

Citation (search report)

See references of WO 2007098900A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102006008902 A1 20070906; **DE 102006008902 B4 20080515**; CN 101427014 A 20090506; EP 1991772 A1 20081119; RU 2008138574 A 20100410; RU 2430253 C2 20110927; US 2009188479 A1 20090730; WO 2007098900 A1 20070907

DOCDB simple family (application)

DE 102006008902 A 20060227; CN 200780013905 A 20070226; EP 07722934 A 20070226; EP 2007001622 W 20070226; RU 2008138574 A 20070226; US 28096007 A 20070226