

Title (en)
METHOD FOR CONTROLLING THE POWER SUPPLY OF A PRE-HEAT PLUG IN AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUR STEUERUNG DER ENERGIEZUFUHR EINER VORWÄRMKERZE IN EINEM VERBRENNUNGSMOTOR

Title (fr)
PROCÉDÉ DE PILOTAGE DE L'ALIMENTATION ÉLECTRIQUE D'UNE BOUGIE DE PRÉ-CHAUFFAGE DE MOTEUR À COMBUSTION INTERNE

Publication
EP 2102488 A1 20090923 (FR)

Application
EP 07858083 A 20071221

Priority

- EP 2007064472 W 20071221
- FR 0611286 A 20061222

Abstract (en)
[origin: WO2008077947A1] The invention relates to a method for controlling the power supply of a pre-heat plug in an internal combustion engine in order to reach an ignition temperature for restarting the engine after it has stopped. According to the invention, the temperature of the pre-heat plug is determined using a first mathematical model and according to the elapsed engine-stop time, and the additional energy to be supplied to the pre-heat plug for reaching the ignition temperature is determined using a second mathematical model and according to the temperature of the pre-heat plug.

IPC 8 full level
F02P 19/02 (2006.01); **F02N 19/02** (2010.01)

CPC (source: EP US)
F02D 35/025 (2013.01 - EP US); **F02P 19/025** (2013.01 - EP US); **F02D 41/042** (2013.01 - EP US); **F02P 19/022** (2013.01 - EP US)

Citation (search report)
See references of WO 2008077947A1

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
FR 2910564 A1 20080627; **FR 2910564 B1 20130510**; EP 2102488 A1 20090923; JP 2010531403 A 20100924; US 2010063705 A1 20100311; US 7899609 B2 20110301; WO 2008077947 A1 20080703

DOCDB simple family (application)
FR 0611286 A 20061222; EP 07858083 A 20071221; EP 2007064472 W 20071221; JP 2009542100 A 20071221; US 52063707 A 20071221