

Title (en)
METHOD FOR DETERMINING A SUBSTITUTION TEMPERATURE OF THE COOLANT LIQUID OF A HEAT ENGINE EQUIPPED WITH AN ADDITIONAL HEATER

Title (de)
VERFAHREN ZUR BESTIMMUNG EINER ERSATZTEMPERATUR DER KÜHLFLÜSSIGKEIT EINER WÄRMEKRAFTMASCHINE MIT ZUSATZHEIZUNG

Title (fr)
PROCEDE DE DETERMINATION D'UNE TEMPERATURE DE SUBSTITUTION DU LIQUIDE DE REFROIDISSEMENT D'UN MOTEUR THERMIQUE EQUIPE D'UN RECHAUFFEUR ADDITIONNEL

Publication
EP 3350430 A1 20180725 (FR)

Application
EP 16775787 A 20160906

Priority
• FR 1558787 A 20150918
• FR 2016052206 W 20160906

Abstract (en)
[origin: WO2017046477A1] The invention mainly concerns a method for determining a substitution temperature (Ts) for substituting a coolant liquid at a measured temperature (Tm) in order to control a heat engine, said heat engine being combined with a cooling circuit in connection with an additional heater, characterised in that, when said additional heater has been used prior to the starting of the heat engine, said method comprises:
- a step of calculating said substitution temperature (Ts) from heating profiles of the coolant liquid depending, in particular, on an activation period (Dact) of said additional heater, and
- a step of transmitting said substitution temperature (Ts) to an engine computer in order to ensure the control of said heat engine.

IPC 8 full level
F01P 11/16 (2006.01); **F01P 11/20** (2006.01)

CPC (source: CN EP)
F01P 11/16 (2013.01 - CN EP); **F01P 11/20** (2013.01 - CN EP); **F02D 41/064** (2013.01 - CN EP); **F02N 19/10** (2013.01 - CN EP); **F01P 2037/02** (2013.01 - CN EP); **F01P 2060/18** (2013.01 - CN EP); **F02D 41/086** (2013.01 - CN EP); **F02D 2200/022** (2013.01 - CN EP)

Citation (search report)
See references of WO 2017046477A1

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 2017046477 A1 20170323; CN 108124457 A 20180605; CN 108124457 B 20201225; EP 3350430 A1 20180725; EP 3350430 B1 20200513; FR 3041377 A1 20170324; FR 3041377 B1 20171006

DOCDB simple family (application)
FR 2016052206 W 20160906; CN 201680054471 A 20160906; EP 16775787 A 20160906; FR 1558787 A 20150918