

Title (en)

METHOD FOR HEATING THE LIQUID COOLANT OF AN INTERNAL COMBUSTION ENGINE AFTER A COLD START

Title (de)

VERFAHREN ZUM ERWÄRMEN DES FLÜSSIGKEITSKÜHLMITTELS EINES VERBRENNUNGSMOTORS NACH EINEM KALTSTART

Title (fr)

PROCEDE DE CHAUFFAGE DU LIQUIDE DE REFROIDISSEMENT D'UN MOTEUR A COMBUSTION INTERNE APRES UN DEMARRAGE A FROID

Publication

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Application

EP 19823803 A 20191119

Priority

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Abstract (en)

[origin: WO2020120852A1] The invention relates to a method for controlling a propulsion system, comprising a heater to heat a liquid-coolant circuit before the start, an oil circuit, said method involving measuring the temperature of the liquid (1) and measuring the temperature of the engine oil (2), comparing the difference between these two temperatures with a temperature threshold that can be calibrated as a function of friction losses by the engine, if, after the start, the difference is above said calibratable temperature threshold, a control law determines an engine speed setpoint vector that determines the exiting of the start (10) which is dependent on the temperature of the oil (2) and if, after the start, the difference is below said calibratable temperature threshold, a control law determines an engine speed setpoint vector that determines the exiting of the start (10) which is dependent on the temperature of the liquid (1).

IPC 8 full level

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Citation (search report)

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