

Title (en)

CONTROLLING AN INTERNAL COMBUSTION ENGINE FOR CONSIDERING FUEL PROPERTIES

Title (de)

STEUERN EINER BRENNKRAFTMASCHINE ZUM BERÜCKSICHTIGEN VON KRAFTSTOFFEIGENSCHAFTEN

Title (fr)

COMMANDE D'UN MOTEUR À COMBUSTION INTERNE POUR TENIR COMPTE DE CARACTÉRISTIQUES DU CARBURANT

Publication

**EP 2655837 A1 20131030 (DE)**

Application

**EP 11788481 A 20111129**

Priority

- DE 102010063975 A 20101222
- EP 2011071272 W 20111129

Abstract (en)

[origin: WO2012084429A1] The invention relates to a method for controlling an internal combustion engine for considering fuel properties, comprising taking a particularly action if a particular behavior of the internal combustion engine is detected, checking whether a fuel tank connected to the internal combustion engine has been filled after the action was taken, checking whether fuel from the fuel tank has reached the internal combustion engine after the fuel tank was filled and whether the particular behavior of the internal combustion engine is no longer present, and ending the particular action if the preceding conditions have been met. The invention further relates to a computer program product having program code performing the method, that can be used by implication in existing internal combustion engines, without additional components needing to be installed in the internal combustion engine. Only the control software must be adapted by downloading the computer program stored on the computer program product into an engine control unit, for example.

IPC 8 full level

**F02D 41/00** (2006.01); **F02P 5/152** (2006.01)

CPC (source: EP)

**F02D 19/088** (2013.01); **F02D 35/027** (2013.01); **F02D 41/0025** (2013.01); **F02P 5/1527** (2013.01); **F02D 19/0665** (2013.01); **F02D 2200/0612** (2013.01); **Y02T 10/30** (2013.01); **Y02T 10/40** (2013.01)

Citation (search report)

See references of WO 2012084429A1

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

DOCDB simple family (publication)

**WO 2012084429 A1 20120628**; CN 103261639 A 20130821; CN 103261639 B 20160203; DE 102010063975 A1 20120628; DE 102010063975 B4 20220519; EP 2655837 A1 20131030; RU 2013133717 A 20150127; RU 2584083 C2 20160520

DOCDB simple family (application)

**EP 2011071272 W 20111129**; CN 201180062046 A 20111129; DE 102010063975 A 20101222; EP 11788481 A 20111129; RU 2013133717 A 20111129