

Title (en)

CONTROL DEVICE FOR INTERNAL COMBUSTION ENGINE

Title (de)

STEUERVORRICHTUNG FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

DISPOSITIF DE COMMANDE POUR MOTEUR À COMBUSTION INTERNE

Publication

EP 2415996 A1 20120208 (EN)

Application

EP 09849825 A 20090928

Priority

JP 2009066772 W 20090928

Abstract (en)

A combustion field flame temperature is provided as a target value, and a target value is also provided for the amount of heat input to the combustion field, and the amount of NO_x produced is reduced by making the flame temperature appropriate through adjusting any of various physical quantities that specify the flame temperature and the input heat amount, including the volume of the combustion field in which fuel injected from an injector combusts, the temperature before the start of combustion in the combustion field, the density of gas existing in the combustion field, and the specific heat of the gas existing in the combustion field.

IPC 8 full level

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CPC (source: EP)

F02D 35/02 (2013.01); **F02D 35/026** (2013.01); **F02D 2041/1433** (2013.01)

Cited by

CN113692485A; US9957877B2; US10196974B2; US11885276B2

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DOCDB simple family (publication)

EP 2415996 A1 20120208; **EP 2415996 A4 20130522**; **EP 2415996 B1 20160727**; JP 5257520 B2 20130807; JP WO2011036794 A1 20130214; WO 2011036794 A1 20110331

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