Title (en)

METHOD AND CONTROL DEVICE FOR DETERMINING A TARGET INLET MANIFOLD PRESSURE OF A COMBUSTION ENGINE

Title (de)

VERFAHREN UND STEUERVORRICHTUNG ZUM BESTIMMEN EINES SOLL-SAUGROHRDRUCKS EINER VERBRENNUNGSKRAFTMASCHINE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE PERMETTANT DE DÉTERMINER UNE PRESSION DE CONSIGNE DU COLLECTEUR D'ADMISSION D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3499011 B1 20240605 (DE)

Application

EP 18210308 A 20181205

Priority

DE 102017222593 A 20171213

Abstract (en)

[origin: US2019178186A1] A method for determining a desired intake manifold pressure of an internal combustion engine by means of an iterative method, wherein a cylinder charge is determined for an intake manifold pressure iterated during the iterative method, and the desired intake manifold pressure is determined as a function of the cylinder air charge that has been determined. In addition, a control device for carrying out the method is provided.

IPC 8 full level

F02D 41/14 (2006.01)

CPC (source: EP KR US)

F02D 41/0002 (2013.01 - US); **F02D 41/0007** (2013.01 - KR); **F02D 41/1406** (2013.01 - EP US); **F02D 41/144** (2013.01 - US); **F02D 41/145** (2013.01 - EP US); **F02D 41/18** (2013.01 - KR US); F02D 2200/0402 (2013.01 - EP US); F02D 2200/0406 (2013.01 - KR); F02D 2200/0408 (2013.01 - EP US); F02D 2200/0411 (2013.01 - EP US); F02D 2250/34 (2013.01 - KR)

Designated contracting state (EPC)

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EP 18210308 A 20181205; CN 201811524472 A 20181213; DE 102017222593 A 20171213; KR 20180157818 A 20181210; US 201816218907 A 20181213