

Title (en)
METHOD FOR CONTROLLING RAIL PRESSURE

Title (de)
VERFAHREN ZUR RAILDRUCKREGELUNG

Title (fr)
PROCÉDÉ DE RÉGULATION DE LA PRESSION DE RAMPE

Publication
EP 2718556 B1 20170809 (DE)

Application
EP 12726024 A 20120605

Priority
• DE 102011103988 A 20110610
• EP 2012002391 W 20120605

Abstract (en)
[origin: WO2012167916A2] The invention relates to a method for controlling the rail pressure of an internal combustion engine in a V arrangement having an unequal ignition sequence, in which method an actual rail pressure is calculated from the measured rail pressure, a control deviation is determined on the basis of the actual rail pressure and a target rail pressure, and a manipulated variable for controlling a pressure actuator, in particular a suction throttle, is calculated in order to control the rail pressure. The invention is characterized in that the actual rail pressure is calculated from the measured rail pressure by means of a mean value filter, in that below a limit rotational speed (nLi) the rail pressure is averaged over a constant time and above the limit rotational speed (nLi) the rail pressure is averaged over a working cycle of the internal combustion engine.

IPC 8 full level
F02D 41/38 (2006.01)

CPC (source: EP US)
F02D 41/14 (2013.01 - US); **F02D 41/3845** (2013.01 - EP US); **F02D 2041/1432** (2013.01 - EP US); **F02D 2041/286** (2013.01 - EP US); **F02D 2041/3881** (2013.01 - EP US); **F02D 2200/0602** (2013.01 - EP US)

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)
DE 102011103988 A1 20121213; CN 103748342 A 20140423; CN 103748342 B 20160824; EP 2718556 A2 20140416; EP 2718556 B1 20170809; HK 1197286 A1 20150109; US 2014156168 A1 20140605; US 9657669 B2 20170523; WO 2012167916 A2 20121213; WO 2012167916 A3 20131114

DOCDB simple family (application)
DE 102011103988 A 20110610; CN 201280028379 A 20120605; EP 12726024 A 20120605; EP 2012002391 W 20120605; HK 14110516 A 20141022; US 201214125230 A 20120605