

Title (en)
PROCESS FOR CONTROLLING AND REGULATING AN INTERNAL COMBUSTION ENGINE

Title (de)
VERFAHREN ZUR STEUERUNG UND REGELUNG EINER BRENNKRAFTMASCHINE

Title (fr)
PROCEDE DE COMMANDE ET DE REGULATION D'UN MOTEUR A COMBUSTION INTERNE

Publication
EP 1730394 B1 20110706 (DE)

Application
EP 05857300 A 20050208

Priority
• EP 2005001226 W 20050208
• DE 102004006896 A 20040212

Abstract (en)
[origin: DE102004006896A1] The engine has a common-rail system including individual reservoirs (8). Actual injection end is calculated from the pressure progression, in the reservoirs, and virtual actual injection begin is determined. An injection end deviation is calculated from a set-point injection end and the actual injection end. An injection begin deviation is calculated from set-point injection end and the virtual actual injection begin. An injector (7) is evaluated dependent upon the deviation values, and further control and regulation of the engine (1) takes place on the basis of injector evaluation.

IPC 8 full level
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F02D 41/008 (2013.01 - EP US); **F02D 41/221** (2013.01 - EP US); **F02D 41/3809** (2013.01 - EP US); **F02D 41/402** (2013.01 - EP US); **F02D 2041/2055** (2013.01 - EP US); **F02D 2041/224** (2013.01 - EP US)

Cited by
US10465617B2

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DE FR GB

DOCDB simple family (publication)
DE 102004006896 A1 20050915; EP 1730394 A1 20061213; EP 1730394 B1 20110706; US 2006266332 A1 20061130; US 7305972 B2 20071211; WO 2006094516 A1 20060914

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