

Title (en)  
METHOD FOR CONTROLLING AN INJECTION SYSTEM OF AN INTERNAL COMBUSTION ENGINE HAVING A COMMON RAIL, INJECTION SYSTEM AND AUTOMOTIVE VEHICLE

Title (de)  
VERFAHREN ZUR REGELUNG EINES EINSPRITZSYSTEMS EINER BRENNKRAFTMASCHINE MIT COMMON-RAIL, EINSPRITZSYSTEM UND KRAFTFAHRZEUG

Title (fr)  
PROCÉDÉ DE COMMANDE D'UN SYSTÈME D'INJECTION D'UN MOTEUR À COMBUSTION INTERNE QUI PRÉSENTE UNE RAMPE COMMUNE, SYSTÈME D'INJECTION ET VÉHICULE AUTOMOBILE

Publication  
**EP 2932075 A1 20151021 (EN)**

Application  
**EP 12840856 A 20121214**

Priority  
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Abstract (en)  
[origin: WO2014091273A1] This method for controlling an injection system in an internal combustion engine having a common rail includes: - a first step 2000) before a given injection phase of a given cylinder, in which the requested fuel quantities (QB, QM and QA) and the requested injection start times (tB, tM and tA) are computed for each individual injection of the given injection phase, - a second step 3000) in which an adaptive model (K, W) of the variations of the pressure in the common rail is used to compute calculated values (PBi, PMi, PAi, PBf, PMf, P Af) of the pressure in the common rail for each individual injection of the given injection phase, in accordance with the requested fuel quantities (QB, QM, QA) and the requested injection times (tB, tM, tA) set during step 2000), - 4000) the values (P'Bi, P'Mi, P'Ai, P'Bf, P'Mf, P'Af) of the pressure (P) in the common rail are recorded during each individual injection of the given injection phase, - 5000) the adaptive model (K, W) is adjusted depending on the difference between the computed pressure values (PBi, PMi, PAi, PBf, PMf, P Af) of step 3000) and the recorded pressure values (P'Bi, P'Mi, P'Ai, P'Bf, P'Mf, P'Af) of step 5000).

IPC 8 full level  
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Citation (search report)  
See references of WO 2014091273A1

Cited by  
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