

Title (en)
Fuel injection control system

Title (de)
Brennstoffeinspritzungssteuersystem

Title (fr)
Système de contrôle d'injection de carburant

Publication
EP 2392805 B1 20130731 (EN)

Application
EP 11166845 A 20110520

Priority
• JP 2010128814 A 20100604
• JP 2010128813 A 20100604

Abstract (en)
[origin: EP2392805A1] To provide a fuel injection control system which properly sets a limit value of an air-fuel ratio feedback correction value, thereby making a good air-fuel ratio feedback control possible. While a variation rate of an output value of an oxygen sensor (32) is changed from the positive to the negative or from the negative to the positive predetermined times after a power source of a vehicle is turned on, a control unit (C) sets a first limit range (L1) for an air-fuel ratio feedback correction factor (K02) as an upper/lower limit value which have a predetermined upper/lower width, in which the output value of the oxygen sensor (32) detected in a stoichiometric air-fuel ratio state is a reference value (B1), and which is allowed to be used for calculating a correction injection quantity (T1). After a variation rate of the output value of the oxygen sensor (32) is changed from the positive to the negative or from the negative to the positive predetermined times, the air-fuel ratio feedback correction factor (K02) that is calculated when the variation rate is changed the predetermined times is regarded as a reference value (B2), and a second limit range (L2) which has a predetermined upper/lower width from the reference value (B2) and is narrower than the first limit range (L1) is set.

IPC 8 full level
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CPC (source: EP)
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