

Title (en)

Control system for internal combustion engine

Title (de)

Steuersystem für einen Verbrennungsmotor

Title (fr)

Système de contrôle pour moteur à combustion interne

Publication

EP 2085591 B1 20170405 (EN)

Application

EP 08172980 A 20081229

Priority

JP 2008017011 A 20080129

Abstract (en)

[origin: EP2085591A1] A control system for an internal combustion engine (1) having an air supply passage (7) for supplying air to the engine (1). The air supply passage (7) includes a first and a second branch passages respectively communicating with a combustion chamber of the engine (1). The engine (1) further includes an exhaust gas recirculation passage for recirculating a part of exhaust gases discharged from the combustion chamber to the first branch passage (7A), a first control valve (26) for controlling an amount of the recirculated exhaust gases, and a second control valve (22) disposed upstream of the first and the second branch passages for opening and closing the air supply passage (7). An operation speed of the second control valve (22) is reduced when closing the second control valve (22) during a valve opening operation of the first control valve (26). The recirculated exhaust gases are thereby prevented from flowing into the second passage where a swirl control valve is disposed, thereby avoiding sticking of the swirl control valve.

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

US 2007204598 A1 20070906 - WIRTH RALF [DE], et al

Cited by

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