

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 2058489 A3 20121003 (EN)**

Application  
**EP 08253549 A 20081030**

Priority  
• JP 2007290199 A 20071107  
• JP 2007290200 A 20071107  
• JP 2007290201 A 20071107

Abstract (en)  
[origin: EP2058489A2] In a system for controlling an internal combustion engine (12) mounted on a vehicle (10) and having an actuator (44) that drives a throttle valve (24) installed in an intake pipe (22) of the engine, it is configured to comprise a throttle opening sensor (52) that produces an output indicative of opening of the throttle valve (24), and to determine an output of the throttle opening sensor (52) at a time when the throttle valve (24) is driven to a fully-closed position by the actuator as a full-close reference TPS\_fully\_close; determine a full-open reference TPS\_wot corresponding to a fully-opened position of the throttle valve (24) based on the determined full-close reference; and control the operation of the actuator (44) such that the throttle valve opening becomes a desired value that is determined within a range defined by the full-close reference and the full-open reference. With this, the full-close reference and full-open reference can be determined accurately and promptly.

IPC 8 full level  
**F02D 11/10** (2006.01); **F02D 41/24** (2006.01)

CPC (source: EP)  
**F02D 11/106** (2013.01); **F02D 41/2474** (2013.01); **F02D 2200/0404** (2013.01); **F02D 2250/16** (2013.01)

Citation (search report)  
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• [ID] JP H10169470 A 19980623 - NISSAN MOTOR  
• [A] US 5473936 A 19951212 - SASAKURA HACHIROU [JP], et al  
• [A] US 5088461 A 19920218 - OHASHI SHINJI [JP], et al

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EP2713035A1; EP2143914A1; CN102840060A

Designated contracting state (EPC)  
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Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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