

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 2058490 A3 20121003 (EN)

Application
EP 08253550 A 20081030

Priority
JP 2007290197 A 20071107

Abstract (en)
[origin: EP2058490A2] 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 (23) of the engine and an accelerator (17) installed to be operable by the operator, it is configured to comprise an actuator controller that controls the operation of the actuator such that the detected actual opening of the throttle valve becomes the desired opening calculated based on accelerator opening APS and engine speed NE, when the engine is determined to be under no load. With this, it becomes possible to prevent a stall of the engine without impairing operating feel of the operator even when an accelerator is rapidly opened during no load operation of the engine.

IPC 8 full level
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CPC (source: EP)
F02D 11/105 (2013.01); **F02D 41/10** (2013.01); **F02D 41/08** (2013.01); **F02D 2200/0404** (2013.01); **F02D 2200/101** (2013.01); **F02D 2200/602** (2013.01)

Citation (search report)

- [I] EP 0393929 A1 19901024 - LUCAS IND PLC [GB]
- [I] JP H03141839 A 19910617 - NISSAN MOTOR
- [AD] US 4735181 A 19880405 - KANEKO TADASHI [JP], et al
- [A] WO 2004090308 A1 20041021 - TOYOTA MOTOR CO LTD [JP], et al
- [A] GB 2316189 A 19980218 - DENSO CORP [JP]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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