

Title (en)
Internal combustion engine

Title (de)
Brennkraftmaschine

Title (fr)
Moteur à combustion interne

Publication
EP 0992669 B1 20040519 (EN)

Application
EP 99118823 A 19990923

Priority
• JP 28121398 A 19981002
• JP 29538198 A 19981016
• JP 32101598 A 19981111

Abstract (en)
[origin: EP0992669A2] At a time of executing a low temperature combustion in which an amount of an EGR gas supplied within a combustion chamber (5) is more than an amount of the EGR gas when a generation amount of a soot becomes peak and the soot is hardly generated and changing a speed of an automatic transmission (60), in order to reduce a generated torque, an injection amount of a fuel injected from a fuel injection valve (6) is corrected to be increased so as to reduce an air fuel ratio, or a fuel injection timing is delayed, or an opening degree of an EGR control valve (31) is corrected to be increased so as to correct an amount of the EGR gas to increase, and further at a time of executing a combustion in which the amount of the EGR gas supplied within a combustion chamber (5) is less than the amount of the EGR gas when a generation amount of a soot becomes peak and the soot is hardly generated and changing a speed of an automatic transmission (60), in order to reduce a generated torque, the injection amount of the fuel injected from the fuel injection valve (6) is corrected to be reduced. <IMAGE>

IPC 1-7
F02D 43/00; F02D 21/08; F02D 41/14

IPC 8 full level
F02D 21/08 (2006.01); **F02D 41/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/38** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)
F02D 21/08 (2013.01); **F02D 35/025** (2013.01); **F02D 41/023** (2013.01); **F02D 41/38** (2013.01); **F02B 3/06** (2013.01); **F02B 29/0406** (2013.01); **F02D 41/0057** (2013.01); **F02D 2250/32** (2013.01); **F02M 26/06** (2016.02); **F02M 26/15** (2016.02); **F02M 26/23** (2016.02)

Cited by
EP1515033A3; CN109782742A; GB2502835A

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0992669 A2 20000412; **EP 0992669 A3 20010919**; **EP 0992669 B1 20040519**; DE 69917405 D1 20040624; DE 69917405 T2 20050512

DOCDB simple family (application)
EP 99118823 A 19990923; DE 69917405 T 19990923