

Title (en)
EXHAUST GAS RECIRCULATION CONTROL VALVE DEVICE

Title (de)
KONTROLLVENTIL FÜR ABGASRÜCKFÜHRUNG

Title (fr)
DISPOSITIF A SOUPE DE COMMANDE DE RECYCLAGE DES GAZ D'ECHAPPEMENT

Publication
EP 0962646 A4 20000920 (EN)

Application
EP 97909586 A 19971022

Priority
JP 9703822 W 19971022

Abstract (en)
[origin: WO9920886A1] An exhaust gas recirculation control valve device, in which wall surfaces at an inlet of an exhaust gas passage are enhanced in anticorrosion against exhaust gases to suppress deposit of fine particulates thereto and significantly reduce frequency of maintenance, and which is excellent in assembling quality and inexpensive. The exhaust gas recirculation control valve device comprises a housing (41) having therein an exhaust gas passage (33), a control valve (7) provided in the housing for controlling an amount of exhaust gases circulated in an intake pipe of an engine through the exhaust gas passage, a shield body (42) formed from a material, which is superior to the housing in anticorrosion against exhaust gases, into a cylinder having a valve seat at a tip end thereof, the valve seat abutting against the control valve, the shield body being mounted at an inlet of the exhaust gas passage to cover an inner wall surface of the inlet of the exhaust gas passage, a valve stem (23) connected to the control valve and slidably arranged relative to a slide member press fitted into the housing, a diaphragm (8) mounted to an end of the valve stem and adapted to be actuated by a pressure difference to open and close the control valve, and a negative pressure casing (14) for forming the pressure difference through the diaphragm.

IPC 1-7
F02M 25/07

IPC 8 full level
F02M 25/07 (2006.01)

CPC (source: EP)
F02M 26/11 (2016.02); **F02M 26/55** (2016.02); **F02M 26/68** (2016.02); **F02M 26/50** (2016.02)

Citation (search report)

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