

Title (en)  
COMBUSTION ENGINE WITH EXHAUST GAS RECIRCULATION

Publication  
**EP 0498947 B1 19930929 (DE)**

Application  
**EP 91120241 A 19911127**

Priority  
DE 4104127 A 19910212

Abstract (en)  
[origin: EP0498947A1] The invention relates to a combustion engine with exhaust gas recirculation, in which a quantity of exhaust gases controllable as a function of operating conditions is returned to the intake system. The underlying object is to increase the quantity of exhaust gases returned, especially in the part-load range at low engine speed. The object is achieved according to the invention by arranging a throttle valve (7) operating in a manner dependent on the exhaust gas temperature in the exhaust system downstream of the connection of the exhaust gas recirculation pipe, the exhaust gas backpressure and hence the return flow rate thereby being increased in an effective manner. <IMAGE>

IPC 1-7  
**F02M 25/06**

IPC 8 full level  
**F01N 1/16** (2006.01); **F01N 13/00** (2010.01); **F02M 26/14** (2016.01); **F02M 26/61** (2016.01); **F02M 26/00** (2016.01)

CPC (source: EP)  
**F01N 1/165** (2013.01); **F01N 13/00** (2013.01); **F02D 9/04** (2013.01); **F02M 26/14** (2016.02); **F02M 26/615** (2016.02); **F02M 2026/004** (2016.02)

Designated contracting state (EPC)  
FR GB IT SE

DOCDB simple family (publication)  
**DE 4104127 C1 19920220**; EP 0498947 A1 19920819; EP 0498947 B1 19930929

DOCDB simple family (application)  
**DE 4104127 A 19910212**; EP 91120241 A 19911127