

Title (en)

Vehicle engine with engine braking device and exhaust gases recirculation

Title (de)

Brennkraftmaschine für ein Fahrzeug, mit einer Motorbremsvorrichtung und einer Abgasrückführeinrichtung

Title (fr)

Moteur pour véhicule comprenant un dispositif de frein moteur et un système de recirculation des gaz d'échappement

Publication

EP 1258603 B1 20060301 (DE)

Application

EP 02009824 A 20020502

Priority

AT 7602001 A 20010514

Abstract (en)

[origin: EP1258603A1] An EGR (Exhaust Gas Recirculation) control device (15) adjusts via an adjusting motor (17) to an EGR shut-off or open position for adjusting part of the exhaust gas from an internal combustion engine cylinders (C1-C6) for its return via an EGR pipe (12). Power for the adjusting motor and for a second adjusting motor allocated to an exhaust brake flap (19) comes from a source (25) of power via a feed pipe (26,32,34) with an in-built flow control (27) taking its switching commands from a common electronic control unit (37).

IPC 8 full level

F01L 13/06 (2006.01); **F02D 9/06** (2006.01); **F02M 26/42** (2016.01); **F02M 26/54** (2016.01)

CPC (source: EP)

F01L 13/06 (2013.01); **F02D 9/06** (2013.01); **F02M 26/42** (2016.02); **F02M 26/54** (2016.02); **F02B 29/0412** (2013.01); **F02M 26/05** (2016.02); **F02M 26/08** (2016.02); **F02M 26/23** (2016.02)

Cited by

CN105822435A; AT516513A4; AT516513B1; AT516542A1; AT516542B1; DE102005018221A1; EP1624168A3; EP1801392A3; EP2679787A1; CN103511091A; RU2635955C2; DE102004015108B4; EP1843033A3; AT503458B1; DE102004015108A1; AT523038B1; AT523038A4; US9062594B2; US9938909B2; WO2008011973A1; WO2008015399A1; US8316642B2; US10221798B2; US10267238B2; US9103274B2; US9708969B2; US10054037B2; US9003794B2; US9903267B2; US9995207B2; US10012153B2; EP3051097A1; DE102015001081A1; EP2412954B1

Designated contracting state (EPC)

AT DE FR IT NL SE

DOCDB simple family (publication)

EP 1258603 A1 20021120; **EP 1258603 B1 20060301**; AT 411545 B 20040225; AT A7602001 A 20030715; AT E318997 T1 20060315; DE 50205900 D1 20060427

DOCDB simple family (application)

EP 02009824 A 20020502; AT 02009824 T 20020502; AT 7602001 A 20010514; DE 50205900 T 20020502