

Title (en)
An exhaust gas recirculation system

Title (de)
Abgasrückführungssystem

Title (fr)
Système de recirculation des gaz d'échappement

Publication
EP 0666413 B1 19970806 (EN)

Application
EP 95300548 A 19950130

Priority
GB 9401946 A 19940202

Abstract (en)
[origin: EP0666413A1] The invention relates to an exhaust gas recirculation (EGR) system for controlling EGR flow in an internal combustion engine. The system comprises an EGR passage (39, 40) and an EGR valve (28) in the passage, opening and closing of the EGR valve being controlled by vacuum provided from the engine manifold (30). A vacuum regulator (29) regulates engine manifold vacuum and passes a regulated manifold vacuum to the EGR valve. A vacuum trap (1) is arranged between the vacuum regulator (29) and the EGR valve (28) to trap in the EGR valve a predetermined level of vacuum, the vacuum trap comprising a valve (12, 13) adapted to close when the level of manifold vacuum drops below a predetermined level, and a bleed passage (24, 26) which allows the trapped vacuum to decay. <IMAGE>

IPC 1-7
F02M 25/07

IPC 8 full level
F02M 25/07 (2006.01)

CPC (source: EP)
F02M 26/55 (2016.02); **F02M 26/57** (2016.02)

Cited by
EP0728967A3; EP0967377A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0666413 A1 19950809; EP 0666413 B1 19970806; DE 69500504 D1 19970911; DE 69500504 T2 19971204; GB 2286226 A 19950809; GB 9401946 D0 19940330

DOCDB simple family (application)
EP 95300548 A 19950130; DE 69500504 T 19950130; GB 9401946 A 19940202