

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  
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**F02M 26/55** (2016.02); **F02M 26/57** (2016.02)

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