

Title (en)

Exhaust gas recirculation device for internal combustion engines.

Title (de)

Abgasrückführeinrichtung für Brennkraftmaschinen.

Title (fr)

Dispositif de recirculation de gaz d'échappement pour moteurs à combustion interne.

Publication

EP 0318714 B1 19940223 (DE)

Application

EP 88118278 A 19881103

Priority

DE 3740968 A 19871203

Abstract (en)

[origin: EP0318714A2] Exhaust gas recirculation device for internal combustion engines (55) with a fuel injection system, in which, in controlling the delivery start adjustment as a function of the load and engine speed on a specific load and speed characteristic curve, a hydraulic back- pressure builds up which serves directly for controlling a pneumatic directional valve (48) having a hydraulic servo motor (47), with which valve the exhaust gas return valve (51), functioning at a partial vacuum, is controlled and in which, in particular, the hydraulic back- pressure is controlled by means of a pressure-holding valve (46). <IMAGE>

IPC 1-7

F02D 21/08

IPC 8 full level

F02D 1/18 (2006.01); **F02D 1/08** (2006.01); **F02D 21/08** (2006.01); **F02M 26/62** (2016.01); **F02M 41/12** (2006.01)

CPC (source: EP KR US)

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DE 3740968 A 19871203; DE 3887966 T 19881103; EP 88118278 A 19881103; JP 30428388 A 19881202; KR 880016043 A 19881202; US 27053088 A 19881114