

Title (en)

Device for recirculating exhaust gas for an engine in a vehicle

Title (de)

Vorrichtung zur Abgasrückführung für eine Brennkraftmaschine in einem Kraftfahrzeug

Title (fr)

Dispositif de recirculation de gaz d'échappement pour moteur de véhicule

Publication

EP 0878619 A3 19990630 (DE)

Application

EP 98108664 A 19980513

Priority

DE 19720642 A 19970516

Abstract (en)

[origin: EP0878619A2] the arrangement has a feedback line with a feedback control valve, a gas conc. sensor in a section of the induction system directly connected to the engine and a controller which evaluates the sensor signal and controls the feedback valve. An induction line (1), a suction line (11) and the feedback line (10) open into a mixing chamber (7). The exhaust feedback line (10) and the suction line contain gas concentration sensors (8a,8b) for quantitative measurement of the proportion of one or more exhaust gas components in the fresh gas fed into the engine and in the exhaust gas.

IPC 1-7

F02M 25/07

IPC 8 full level

F02D 21/08 (2006.01); **F02M 26/19** (2016.01); **F02M 26/46** (2016.01); **F02M 25/07** (2006.01)

CPC (source: EP)

F02D 21/08 (2013.01); **F02M 26/19** (2016.02); **F02M 26/46** (2016.02); **F02M 26/21** (2016.02)

Citation (search report)

- [X] US 4168683 A 19790925 - HATA YOSHITAKA, et al
- [A] US 4333439 A 19820608 - MUELLER KLAUS, et al
- [A] US 5201303 A 19930413 - KOJIMA SHINJI [JP]
- [DA] DE 3703091 A1 19880811 - MITSUBISHI ELECTRIC CORP [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 183 (M - 097) 21 November 1981 (1981-11-21)

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DE102009053462A1; WO02088534A1

Designated contracting state (EPC)

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