

Title (en)

Valve arrangement for an internal combustion engine and driving method

Title (de)

Gaswechselsystem für eine Brennkraftmaschine und Verfahren zum Betreiben eines solchen

Title (fr)

Commande de soupape pour moteur à combustion interne et mode d'opération

Publication

EP 1114918 A3 20021009 (DE)

Application

EP 00811149 A 20001205

Priority

- EP 00811149 A 20001205
- EP 00810006 A 20000106

Abstract (en)

[origin: EP1114918A2] The gas change system for an internal combustion motor, such as a diesel motor, has a hydraulically operated gas change valve (20) linked to an initial fluid system (30) for a medium to operate the valve (20). A second fluid system (40) for a hydraulic medium has a main control valve (50) to control the gas change valve (20). A medium separator (70) is between the main control valve (50) and the gas change valve (20), where one side is linked to the initial fluid system (30) and the other side is connected to the second fluid system (40). The main control valve (50) has a control piston (56), which sets the opening and closing of the gas change valve (20). The second fluid system (40) has an electromagnetic pilot valve (60) to act on the main control valve (50).

IPC 1-7

F01L 9/02

IPC 8 full level

F01L 9/10 (2021.01); **F02D 43/00** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)

F01L 9/10 (2021.01); **F02B 3/06** (2013.01); **F02F 2007/0097** (2013.01)

Citation (search report)

- [A] US 5410994 A 19950502 - SCHECHTER MICHAEL M [US]
- [A] US 5645030 A 19970708 - LETSCHE ULRICH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 103 (M - 377) 8 May 1985 (1985-05-08)
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 051 (M - 361) 6 March 1985 (1985-03-06)

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