

Title (en)

Adjustable two way valve arrangement for internal combustion engine

Title (de)

Regelbare Zwei-Wege-Ventilvorrichtung für eine Verbrennungskraftmaschine

Title (fr)

Dispositif à soupape à deux voies réglable pour moteur à combustion interne

Publication

**EP 1630403 A1 20060301 (DE)**

Application

**EP 05013906 A 20050628**

Priority

DE 102004040221 A 20040819

Abstract (en)

The valve (1) has a housing in which three passage openings of an outlet or inlet channel are arranged. A valve plate is provided at two of the passage openings of the outlet or inlet channel. A control opening is provided at a valve unit (10), which is movable over a control unit. The control opening is arranged at the two passage openings, where the fluid mass flow is independently or dependently adjustable by the passage openings.

IPC 8 full level

**F02M 25/07** (2006.01)

CPC (source: EP US)

**F02M 26/26** (2016.02 - EP US); **F02M 26/54** (2016.02 - EP US); **F02M 26/70** (2016.02 - EP US); **F02M 26/50** (2016.02 - EP US)

Citation (applicant)

- DE 10025877 A1 20011220 - SIEBE AUTOMOTIVE DEUTSCHLAND GMBH [DE]
- DE 19812702 A1 19990930 - VOLKSWAGEN AG [DE], et al
- DE 10101412 A1 20020718 - PIERBURG AG [DE]

Citation (search report)

- [XA] DE 19932313 A1 20010118 - DAIMLER CHRYSLER AG [DE]
- [X] US 6378509 B1 20020430 - FEUCHT DENNIS D [US], et al
- [YD] DE 10101412 A1 20020718 - PIERBURG AG [DE]
- [Y] DE 2232705 A1 19740124 - DAIMLER BENZ AG
- [AD] DE 10025877 A1 20011220 - SIEBE AUTOMOTIVE DEUTSCHLAND GMBH [DE]
- [AD] DE 19812702 A1 19990930 - VOLKSWAGEN AG [DE], et al

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US7661415B2; US7621128B2; WO2007064949A1; US7669645B2; US7694728B2; US7854255B2

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DOCDB simple family (application)

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