

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 B1 20070110 (DE)

Application

EP 05013906 A 20050628

Priority

DE 102004040221 A 20040819

Abstract (en)

[origin: EP1630403A1] 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 (examination)

US 5950576 A 19990914 - BUSATO MURRAY F [CA], et al

Cited by

US7661415B2; US7621128B2; WO2007064949A1; US7669645B2; US7694728B2; US7854255B2

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DOCDB simple family (publication)

EP 1630403 A1 20060301; **EP 1630403 B1 20070110**; DE 102004040221 A1 20060309; DE 102004040221 B4 20090108; DE 502005000303 D1 20070222; ES 2280065 T3 20070901; US 2006037594 A1 20060223; US 7213587 B2 20070508

DOCDB simple family (application)

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