

Title (en)

Mixing valve, especially an exhaust gas recirculation valve for an internal combustion engine.

Title (de)

Zumischventil, insbesondere Abgasrückführventil einer Brennkraftmaschine

Title (fr)

Soupape de mélange, notamment une soupape de recirculation de gaz d' échappement pour un moteur à combustion interne

Publication

EP 0869274 B1 20020925 (DE)

Application

EP 98105995 A 19980402

Priority

DE 19713578 A 19970402

Abstract (en)

[origin: EP0869274A1] The valve has a plastic housing for a cold fluid, and a connector part for a hot fluid, with outlet aperture to add hot to cold flow. Elements to extract heat from the plastic housing have at least two flow faces (40), formed by fluid guide plates. The plates are positioned opposite to each other, and extend in flow direction of the cold medium (14). The plates are located in the area of outlet (24) from the connector (12), and at least partially screen the plastic housing (10) against the hot fluid flow (15). The plates are at distance from the inside of the housing, and curve towards the housing wall.

IPC 1-7

F02M 25/07

IPC 8 full level

F02M 25/07 (2006.01); **F02M 26/18** (2016.01); **F02M 26/21** (2016.01); **F02M 26/55** (2016.01); **F02M 26/68** (2016.01)

CPC (source: EP)

F02M 26/18 (2016.02); **F02M 26/21** (2016.02); **F02M 26/55** (2016.02); **F02M 26/68** (2016.02)

Cited by

DE102009018378A1; EP1010888A3; EP2243947A1; EP1010888A2; US8925530B2; WO0179680A1; JP2010249141A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0869274 A1 19981007; **EP 0869274 B1 20020925**; DE 19713578 A1 19981015; DE 19713578 C2 19990506; DE 59805654 D1 20021031; ES 2184160 T3 20030401

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