

Title (en)

Multi-directional valve with low pressure loss

Title (de)

Mehrwege-Ventil mit geringem Druckverlust

Title (fr)

Soupape à plusieurs voies dotée d'une perte de pression réduite

Publication

**EP 2333269 B1 20151111 (DE)**

Application

**EP 10176789 A 20100915**

Priority

DE 102009042496 A 20090915

Abstract (en)

[origin: EP2333269A2] The multi-way valve (1) has an inlet (2), an outlet (3), a short-circuit channel (5) and a main valve unit (4) arranged between the inlet and the outlet. The main valve unit has a valve seat (41) and a valve body (40) cooperating with the valve seat. The main valve unit is formed as an inclined seat valve. The valve seat is diagonally arranged between the inlet and the outlet with a direction of flow. The valve body is partially mounted in the short-circuit channel. An independent claim is also included for a method for reducing the pressure loss in a multi-way valve.

IPC 8 full level

**F01P 7/16** (2006.01); **G05D 23/02** (2006.01)

CPC (source: EP)

**F01P 7/16** (2013.01)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**DE 102009042496 A1 20110324**; EP 2333269 A2 20110615; EP 2333269 A3 20140108; EP 2333269 B1 20151111; EP 2333269 B8 20151230

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