

Title (en)
TWO-WAY GAS VALVE

Title (de)
GASWECHSELVENTIL

Title (fr)
SOUPAPE A GAZ A DEUX VOIES

Publication
EP 0998622 A1 20000510 (DE)

Application
EP 98943746 A 19980722

Priority
• DE 19731382 A 19970722
• EP 9804516 W 19980722

Abstract (en)
[origin: DE19731382A1] Disclosed is a two-way gas valve comprising a valve spindle and a substantially metallic valve seat which, when mounted, closes or opens an explosion chamber in an internal combustion engine in relation to a gas pipe which can be connected to the explosion chamber. When the valve is in its open position, combustion gases flow onto the valve back surface, which is provided with a funnel-shaped deflector tapering from the seat periphery to the valve spindle and enclosing the latter. The equipment which transmits the actuating force of the valve to the valve seat is made mainly of a material with very low thermal expansion, such as invar.

IPC 1-7
F01L 3/02; **F01L 3/14**; **F01L 3/20**

IPC 8 full level
F01L 3/02 (2006.01); **F01L 3/14** (2006.01); **F01L 3/20** (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 9905397A1

Designated contracting state (EPC)
DE FR GB IT

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