

Title (en)  
CYLINDRICAL ROTARY VALVE WITH SEAL FOR PISTON ENGINES

Publication  
**EP 0099873 A3 19850109 (DE)**

Application  
**EP 83890106 A 19830627**

Priority  
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• AT 279782 A 19820719

Abstract (en)  
[origin: EP0099873A2] A cylindrical rotary valve (9, 10) with a seal, for piston engines, which has at least one perforation (12, 12') running transversely to its longitudinal direction and a circumferential slot (18, 19) on each side thereof, each for a sealing ring. At least one slot (18, 19) is provided at least one point on the wall of the bore holding the rotary valve (9, 10), in each slot (18, 19) there being arranged a seal which can be pressed with one end face against the sleeve surface of the rotary valve (9, 10), by spring force. The perforation (12, 12') runs diametrically in a full-walled part of the rotary valve (9, 10). The gas flows diametrically through the rotary valve (9, 10). The slot (18, 19) provided in the wall of the bore (14, 15) holding the rotary valve (9, 10), is of annular shape. A plurality of concentric, annular slots can also be provided, in each of which is arranged an annular sealing ring (20, 21). <IMAGE>

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IPC 8 full level  
**F01L 7/02** (2006.01); **F01L 7/16** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)  
**F01L 7/026** (2013.01); **F01L 7/16** (2013.01); **F02B 2075/027** (2013.01)

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