

Title (en)
ROTARY SLIDE VALVE

Title (de)
DREHSCHIEBERVENTIL

Title (fr)
SOUPAPE A TIROIR ROTATIF

Publication
EP 0635095 B1 19990414 (DE)

Application
EP 94906168 A 19940128

Priority
• DE 4302648 A 19930130
• EP 9400249 W 19940128

Abstract (en)
[origin: WO9417287A1] In order to achieve long valve opening times in rotary slide valves for piston-driven internal combustion engines, a shaft (6) bearing the valve passage (7) rotates at half the speed of rotation of the crankshaft of the engine. The passage (7) is so inclined with respect to the shaft axis (16) that the valve outlets do not overlap, when seen in projection. The angular area alpha covered by the valve outlets and the angular area beta covered by the bore (12) in the cylinder head (2) define together an angular area of about 90 DEG . The shaft (6) is not only supported on both sides of the outlets, but also sealingly supported in the cylinder head (2) between the outlets.

IPC 1-7
F01L 7/02

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

CPC (source: EP)
F01L 7/026 (2013.01); **F02B 2075/025** (2013.01); **F02B 2075/027** (2013.01)

Citation (examination)
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• US 5105128 A 19920414 - CHOI DAE-SUNG [KR]
• Doppel Taschenbuch für den Maschinenbau, Band 2, 13 Auflage Springer-Verlag 1974 Seite 128

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DE19949857A1; US6378481B1

Designated contracting state (EPC)
BE DE ES FR GB IE IT NL SE

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DE 4302648 A1 19940811; DE 59408103 D1 19990520; EP 0635095 A1 19950125; EP 0635095 B1 19990414; ES 2132379 T3 19990816; WO 9417287 A1 19940804

DOCDB simple family (application)
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