

Title (en)

ROTARY VALVE CONTROL SYSTEM FOR INTERNAL COMBUSTION ENGINES AND RECIPROCATING PUMPS

Title (de)

DREHSCHIEBERSTEUERUNG FÜR VERBRENNUNGSMASCHINEN UND KOLBENPUMPEN

Title (fr)

SYSTEME DE COMMANDE A VANNE ROTATIVE POUR MOTEURS A COMBUSTION INTERNE ET POMPES A PISTON

Publication

EP 0873468 A1 19981028 (DE)

Application

EP 96932597 A 19960926

Priority

- DE 19535920 A 19950927
- EP 9604194 W 19960926

Abstract (en)

[origin: DE19535920A1] The invention relates to a rotary valve control system for internal combustion engines and reciprocating pumps. A rotationally symmetrical, dome-shaped, drivable rotary valve is arranged in the cylinder head of the engine. In the cylinder head there is in the region of the inlet duct and the outlet duct at least one rotatable gasket ring which is provided with a drive. The rotary valve is linked to the drive thereof by means of spring means acting in the peripheral direction, and the gasket rings are in the form of thrust bearings and arranged on that side of the rotary valve which faces away from the cylinder.

IPC 1-7

F01L 7/08; **F01L 7/02**

IPC 8 full level

F01L 7/02 (2006.01); **F01L 7/08** (2006.01); **F01L 7/10** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP US)

F01L 7/028 (2013.01 - EP US); **F01L 7/10** (2013.01 - EP US); **F02B 2075/027** (2013.01 - EP US)

Citation (search report)

See references of WO 9712128A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

DE 19535920 A1 19960314; **DE 19535920 C2 19990708**; CN 1202217 A 19981216; DE 59610407 D1 20030605; EP 0873468 A1 19981028; EP 0873468 B1 20030502; ES 2196177 T3 20031216; US 5996544 A 19991207; WO 9712128 A1 19970403

DOCDB simple family (application)

DE 19535920 A 19950927; CN 96198338 A 19960926; DE 59610407 T 19960926; EP 9604194 W 19960926; EP 96932597 A 19960926; ES 96932597 T 19960926; US 4370098 A 19980326