

Title (en)
ROTARY VALVE CYLINDER HEAD

Publication
EP 0059047 A3 19831102 (EN)

Application
EP 82300708 A 19820212

Priority
US 23788781 A 19810225

Abstract (en)
[origin: EP0059047A2] A rotary valve cylinder head includes a cylinder head body (10) which defines a cylindrical region therein and having a dual port combustion chamber (14) disposed adjacent the head end of the cylindrical region, a piston (16) reciprocable within the cylindrical region, and rotary valve devices disposed in the cylinder head body (10) for controlling flow of gas to and from the combustion chamber (14). The rotary valve devices include a pair of cylindrical rotary valve members (36, 38) parallel to each other on opposite sides of the cylindrical region. The valve members (36, 38) are journaled in bearing means (39, 41) disposed between the valve members (36, 38) and the cylinder head body (10). Each bearing means (39, 41) receives a respective sealing member (68, 69) disposed around a respective port (25, 31) and between the bearing means (39, 41) and the cylinder head body (10). Each sealing member (68, 69) is an endless loop and encircles the respective port (25, 31). The lateral cross-sectional shape of each sealing member (68, 69) provides compressive elasticity so that movement of the bearing means (39, 41), which are metal-impregnated graphite sealing screens, can be accommodated without separation between the bearing means (39, 41) and the cylinder head body (10).

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F02F 1/38; **F01L 7/00**

IPC 8 full level
F01L 7/02 (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)
F01L 7/026 (2013.01)

Citation (search report)

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