

Title (en)
SEALING ARRANGEMENT

Publication
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Application
EP 84108101 A 19840711

Priority
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• DE 3300973 A 19830113

Abstract (en)
[origin: EP0167648A1] 1. A sealing arrangement for a rotary valve member (12; 13) arranged within the combustion chamber of an internal combustion engine, the rotary valve member (12; 13) provided for opening and closing inlet and outlet openings of gas channels (22; 24) provided in the cylinder head (10; 11) for the gas change, comprising a cylindrical sealing body (28; 29; 29') rotatably arranged about its axis and mounted for axial displacement in each one of the gas channels (22; 24) of the cylinder head (10; 11), the sealing body (28; 29; 29') provided with a surface (54) averted from the rotary valve member (12; 13), an annular gap (52) formed between said averted surface and an adjacent surface (56) of the cylinder, the annular gap (52) being in permanent communication with the combustion chamber (26), whereby the combustion chamber gas pressure acting on the surface (54) of the sealing body (28; 29; 29') averted from the rotary valve member (12; 13) urges the sealing body (28; 29; 29') against the rotary valve member (10; 11) with a resultant force, characterized in that the sealing body (28; 29; 29') contacts the rotary valve member (12; 13) at the rotary valve member surface averted from the combustion chamber (26) and that the annular gap (52) communicates with the combustion chamber (26) via a channel (50) situated outside of the outer periphery of the sealing body (28; 29; 29').

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