

Title (en)
IMPROVEMENTS IN ROTARY VALVES

Title (de)
ROTIERENDES VENTIL

Title (fr)
AMELIORATIONS RELATIVES A DES VALVES ROTATIVES

Publication
EP 1144809 A3 20021113 (EN)

Application
EP 99949104 A 19990928

Priority
• GB 9903033 W 19990928
• GB 9820923 A 19980928

Abstract (en)
[origin: WO0019066A2] There is disclosed an improved rotary valve (5), and to an internal combustion engine including such a valve (5). In internal combustion engines use of poppet valves has predominated due to an inability of rotary valves to perform reliably without excessive oil consumption. However, the invention provides an improved valve (5) for use with an internal combustion engine (10) comprising at least one cylinder (15) having a reciprocable piston (50), the valve (5) comprising a valve seat (20) having at least one inlet (80) and/or at least one outlet (90), a rotatable valve member (60) mountable within the valve seat (20) at a compression end of one of the at least one cylinders (15) and having at least one orifice (70) extending therethrough between the valve seat (20) and an interior of the cylinder (15), wherein there is provided a seal member(s), (25a, 25b, 25c) between the valve member (60) and the at least one inlet (80) and/or the at least one outlet (90).

IPC 1-7
F01L 7/02

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

CPC (source: EP)
F01L 7/028 (2013.01); **F01L 7/16** (2013.01)

Citation (search report)
See references of WO 0019066A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0019066 A2 20000406; WO 0019066 A3 20020711; AU 6210399 A 20000417; EP 1144809 A2 20011017; EP 1144809 A3 20021113; GB 0107797 D0 20010516; GB 2362925 A 20011205; GB 9820923 D0 19981118

DOCDB simple family (application)
GB 9903033 W 19990928; AU 6210399 A 19990928; EP 99949104 A 19990928; GB 0107797 A 19990928; GB 9820923 A 19980928