

Title (en)
Valve system for engine

Title (de)
Ventilannordnung in einer Brennkraftmaschine

Title (fr)
Agencement de soupape dans un moteur à combustion interne

Publication
EP 1207276 A3 20030611 (EN)

Application
EP 01121947 A 20010912

Priority
JP 2000349952 A 20001116

Abstract (en)
[origin: EP1207276A2] The invention provides a valve system for an engine, in which a rocker arm interlocked with an engine valve is supported on a rocker shaft fixedly mounted to a cylinder head in such a manner as to be rockable according to the rotation of a cam shaft, characterized by realizing the reduction in size and weight of the engine. The posture of a rocker shaft (99) is set to have an axial line crossing an axial line of a crank shaft on the projection plane perpendicular to an axial line of a cylinder bore. A rocker arm (101) rockably supported by the rocker shaft (99) is provided with an input arm (101c) extending, on the above projection plane, from the rocker arm (101) to the cam shaft side, and a pull rod (105) reciprocating in the axial direction according to the rotation of the cam shaft is connected to the input arm (101c). <IMAGE>

IPC 1-7
F01L 1/04; **F01L 1/14**; **F01L 1/18**; **F01L 1/12**; **F01L 1/26**

IPC 8 full level
F01L 1/14 (2006.01); **F01L 1/18** (2006.01); **F01L 1/26** (2006.01); **F02B 75/24** (2006.01); **F02F 1/42** (2006.01); **F02B 75/02** (2006.01); **F02B 75/18** (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)
F01L 1/026 (2013.01); **F01L 1/14** (2013.01); **F01L 1/146** (2013.01); **F01L 1/18** (2013.01); **F01L 1/26** (2013.01); **F02B 75/243** (2013.01); **F02F 1/4214** (2013.01); **F02B 2075/027** (2013.01); **F02B 2075/1816** (2013.01); **F02B 2275/34** (2013.01); **F02F 1/242** (2013.01); **F02F 2001/245** (2013.01)

Citation (search report)
• [Y] US 1524150 A 19250127 - RHOADS HARRY E
• [Y] US 1725672 A 19290820 - PEGLAR RICHARD A
• [Y] US 2610617 A 19520916 - GUSTAV PIELSTICK
• [Y] US 4327678 A 19820504 - POLLET JEAN-PIERRE
• [Y] US 3967601 A 19760706 - HEBERLE HANSJORG
• [Y] US 3963008 A 19760615 - BOUQUET JEAN-CLAUDE
• [A] US 2311146 A 19430216 - WIEGMAN CLARENCE H
• [A] US 2506250 A 19500502 - ALEX TAUB

Cited by
CN103161572A; FR2881972A1; WO2006014098A1

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

DOCDB simple family (publication)
EP 1207276 A2 20020522; **EP 1207276 A3 20030611**; **EP 1207276 B1 20050601**; AT E296943 T1 20050615; CA 2360101 A1 20020516; CA 2360101 C 20060117; DE 60111160 D1 20050707; DE 60111160 T2 20051020

DOCDB simple family (application)
EP 01121947 A 20010912; AT 01121947 T 20010912; CA 2360101 A 20011024; DE 60111160 T 20010912