

Title (en)

Piston engine with rocker arm valve drive

Title (de)

Hubkolbenmotor mit Kipphebel-Ventilsteuerung

Title (fr)

Moteur à piston à commande de soupape par culbuteur

Publication

**EP 0979929 B1 20041215 (DE)**

Application

**EP 98811260 A 19981223**

Priority

- EP 98811260 A 19981223
- EP 98115057 A 19980811

Abstract (en)

[origin: EP0979929A2] The piston engine has camshaft and tappet receivers (15, 16) cast directly into the cylinder head (24). The assembly shafts (13, 17) are inserted directly in the camshaft or tappet receivers. Their bearings may be roller bearings or slip bearings. The receivers may be made in one piece with the cylinder head or may be made separately of steel and then screwed in.

IPC 1-7

**F01L 1/02**; **F02B 67/06**; **F01L 1/18**

IPC 8 full level

**F01L 1/02** (2006.01); **F01L 1/04** (2006.01); **F01L 1/12** (2006.01); **F01L 1/18** (2006.01); **F01M 9/10** (2006.01); **F02B 67/06** (2006.01); **F02F 1/24** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)

**F01L 1/02** (2013.01 - EP US); **F01L 1/022** (2013.01 - EP US); **F01L 1/024** (2013.01 - EP US); **F01L 1/181** (2013.01 - EP US); **F02B 67/06** (2013.01 - EP US); **F01L 1/026** (2013.01 - EP US); **F02B 2275/20** (2013.01 - EP US); **F02F 2001/245** (2013.01 - EP US)

Cited by

EP1490585A4

Designated contracting state (EPC)

AT CH DE ES FI FR GB IT LI SE

DOCDB simple family (publication)

**EP 0979929 A2 20000216**; **EP 0979929 A3 20000906**; **EP 0979929 B1 20041215**; AU 5511399 A 20000306; BR 9912940 A 20010508; JP 2002522700 A 20020723; US 2003098002 A1 20030529; US 2003098003 A1 20030529; US 6520133 B1 20030218; US 6951196 B2 20051004; WO 0009864 A1 20000224

DOCDB simple family (application)

**EP 98811260 A 19981223**; AU 5511399 A 19990806; BR 9912940 A 19990806; EP 9905714 W 19990806; JP 2000565279 A 19990806; US 33972103 A 20030109; US 33972203 A 20030109; US 76278401 A 20010212