

Title (en)

CYLINDER HEAD FOR AN INTERNAL COMBUSTION ENGINE WITH A PUMP-JET UNIT

Title (de)

ZYLINDERKOPF FÜR EINE BRENNKRAFTMASCHINE MIT PUMPEDÜSE-EINHEIT

Title (fr)

CULASSE DESTINEE A UN MOTEUR A COMBUSTION INTERNE DOTE D'UNE UNITE GICLEUR DE POMPE

Publication

EP 1034358 B1 20030402 (DE)

Application

EP 98956849 A 19981016

Priority

- DE 19752381 A 19971126
- EP 9806579 W 19981016

Abstract (en)

[origin: US6431138B1] A cylinder head for an internal combustion engine with at least one pump/nozzle unit, including at least one bearing block with a bearing half for a camshaft and with a bearing half for a rocker arm shaft for at least one rocker arm for actuating the pump/nozzle unit, a first separate lubricant supply duct provided in the cylinder head, and a second lubricant supply duct provided in the bearing block, a first end of the second lubricant supply duct being connected to the first lubricant supply duct and a second end of the second lubricant supply duct ending open in a bearing face of the bearing half for the rocker arm shaft.

IPC 1-7

F01M 9/10; F02M 63/00

IPC 8 full level

F01M 1/06 (2006.01); **F01M 9/10** (2006.01); **F02F 1/42** (2006.01); **F02M 57/02** (2006.01); **F02M 63/00** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP KR US)

F01M 9/10 (2013.01 - EP KR US); **F02F 1/4214** (2013.01 - EP US); **F02M 63/0001** (2013.01 - EP US); **F02B 2075/1816** (2013.01 - EP US); **F02B 2275/20** (2013.01 - EP US)

Citation (examination)

US 4537166 A 19850827 - KIMURA KENJI [JP], et al

Cited by

EP2365194A1; EP2339134A1

Designated contracting state (EPC)

AT DE FR GB IT PT SE

DOCDB simple family (publication)

US 6431138 B1 20020813; AT E236346 T1 20030415; CN 1096541 C 20021218; CN 1280650 A 20010117; DE 19752381 A1 19990527; DE 59807768 D1 20030508; EP 1034358 A1 20000913; EP 1034358 B1 20030402; JP 2001525513 A 20011211; KR 20010032359 A 20010416; WO 9928602 A1 19990610

DOCDB simple family (application)

US 55524300 A 20000526; AT 98956849 T 19981016; CN 98811593 A 19981016; DE 19752381 A 19971126; DE 59807768 T 19981016; EP 9806579 W 19981016; EP 98956849 A 19981016; JP 2000523454 A 19981016; KR 20007005595 A 20000523