

Title (en)
VALVE DRIVE SYSTEM AND CYLINDER HEAD FOR AN INTERNAL COMBUSTION ENGINE

Title (de)
VENTILTRIEB UND ZYLINDERKOPF EINER BRENNKRAFTMASCHINE

Title (fr)
MECANISME DE DISTRIBUTION ET CULASSE DE MOTEUR A COMBUSTION INTERNE

Publication
EP 0914546 A1 19990512 (DE)

Application
EP 97932761 A 19970718

Priority
• DE 9701514 W 19970718
• DE 19629349 A 19960720
• DE 19640520 A 19961001

Abstract (en)
[origin: WO9803778A1] The invention concerns a valve drive system for an internal combustion engine, the valve drive system being provided between its at least one lifting valve (12) and its camshaft (34) in order to control the variable lift sequence. The valve drive system comprises a pressure-transmission arrangement which presses against the lifting valve (12), and a contact member (35) which abuts a cam (16) on the camshaft (34) and, as it changes position owing to the rotation of the cam (16), brings about an oscillating movement of the pressure-transmission arrangement. The pressure-transmission arrangement has a contact surface (80) via which pressure is transmitted. The contact surface (80), which can pivot about the bearing axis (14), comprises a first surface region (80.1) which has a circular-cylindrical curvature having the bearing axis (14) as the longitudinal axis of the cylinder, and a second surface region (80.2) which adjoins the first surface region (80.1) and has a non-circular-cylindrical curvature.

IPC 1-7
F01L 13/00; **F01L 1/04**; **F01L 1/12**

IPC 8 full level
F01L 1/04 (2006.01); **F01L 1/053** (2006.01); **F01L 1/12** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)
F01L 1/053 (2013.01 - EP US); **F01L 1/12** (2013.01 - EP); **F01L 13/0015** (2013.01 - EP); **F01L 13/0063** (2013.01 - EP); **F01L 2013/0073** (2013.01 - EP); **F01L 2820/01** (2013.01 - EP)

Citation (search report)
See references of WO 9803778A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9803778 A1 19980129; DE 19640520 A1 19980409; DE 19780736 D2 19981001; DE 59703557 D1 20010621; EP 0914546 A1 19990512; EP 0914546 B1 20010516

DOCDB simple family (application)
DE 9701514 W 19970718; DE 19640520 A 19961001; DE 19780736 T 19970718; DE 59703557 T 19970718; EP 97932761 A 19970718