

Title (en)

VALVEDRIVE FOR AN INTERNAL-COMBUSTION ENGINE HAVING FOUR V-INCLINED VALVES AND A CENTRALLY DISPOSED SPARK PLUG

Publication

EP 0194922 B1 19880615 (FR)

Application

EP 86400443 A 19860304

Priority

FR 8503709 A 19850313

Abstract (en)

[origin: US4671222A] A device for actuating valves in an internal combustion engine comprise four valves (9, 10, 11, 12) inclined in a V configuration and a central spark plug (3) per cylinder (6), each cylinder (6) being associated with two pairs of valves (9, 10; 11, 12) inclined on each side of an axial plane (PP) of the cylinder (6), while a spark plug pit (4) is provided between the two valves (9, 10) of one of the pairs, roughly parallel to the latter, this device comprising a central camshaft (13) located in the vicinity of the axial plane (PP) and, for each cylinder (6), at least two rockers (14, 15). There is interposed between each rocker (14, 15) and the camshaft (13) a pushrod (21) parallel to the cylinder (6), and, for each cylinder, the pin (18) of the rocker(s) disposed on the same side as the pit (4) is carried, as the other pin (19), by two bearings (26) located on each side of the rockers (14, 15) and is disposed between the pit (4) and the axial plane (PP). This device is of small overall size and particularly reliable.

IPC 1-7

F01L 1/26; **F02F 1/24**; **F01L 1/12**

IPC 8 full level

F01L 1/255 (2006.01); **F01L 1/26** (2006.01); **F02F 1/24** (2006.01); **F02B 1/04** (2006.01); **F02F 1/42** (2006.01)

CPC (source: EP US)

F01L 1/255 (2013.01 - EP US); **F01L 1/26** (2013.01 - EP US); **F02F 1/242** (2013.01 - EP US); **F02B 1/04** (2013.01 - EP US); **F02B 2275/20** (2013.01 - EP US); **F02F 1/4214** (2013.01 - EP US); **F02F 2001/245** (2013.01 - EP US)

Citation (examination)

- EP 0141527 A2 19850515 - BL TECH LTD [GB]
- GB 2016084 A 19790919 - DAIMLER BENZ AG

Cited by

EP0433125A1; FR2662471A1; DE19745715A1; US6205966B1; WO9845579A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

EP 0194922 A1 19860917; **EP 0194922 B1 19880615**; DE 3660315 D1 19880721; FR 2578907 A1 19860919; FR 2578907 B1 19890616; JP S61210207 A 19860918; US 4671222 A 19870609

DOCDB simple family (application)

EP 86400443 A 19860304; DE 3660315 T 19860304; FR 8503709 A 19850313; JP 5601486 A 19860313; US 83769386 A 19860310