

Title (en)

SYSTEM OF VALVES AND RELATED OPERATING DEVICES FOR INTERNAL COMBUSTION ENGINES HAVING HIGH SPECIFIC HORSEPOWER

Publication

EP 0340834 A3 19900131 (EN)

Application

EP 89201024 A 19890420

Priority

IT 2046788 A 19880505

Abstract (en)

[origin: EP0340834A2] Each cylinder (1) of the internal combustion engine comprises a group of intake valves (2, 2 min) and a group of exhaust valves (3). At least one (2, 2 min) of said groups is formed by three circumferentially spaced out valves (2, 2 min) operated by a single camshaft (9). Of said three valves the two lateral ones (2) are of smaller diameter with respect to the central one (2 min) and have stems (6) which are parallel to one another and inclined with respect to that (6 min) of the central valve (2 min). At least one of said stems (6, 6 min) has its axis displaced laterally with respect to the axis of rotation (10) of the camshaft (9). Means (18, 18 min) are provided for offsetting the lateral displacement of the above axis.

IPC 1-7

F02F 1/42; **F01L 1/26**; **F01L 1/04**

IPC 8 full level

F01L 1/26 (2006.01); **F02F 1/42** (2006.01); **F01L 1/00** (2006.01); **F02F 1/24** (2006.01)

CPC (source: EP)

F01L 1/265 (2013.01); **F02F 1/4221** (2013.01); **F02B 2275/18** (2013.01); **F02F 2001/245** (2013.01)

Citation (search report)

- EP 0262250 A1 19880406 - AUDI AG [DE]
- PATENT ABSTRACTS OF JAPAN, Vol. 9, No. 272 (M-425)(1995) 30 October 1985; & JP,A,60 116 817 (YAMAHA HATSUDOKI K.K.) 24 June 1985, the whole document.

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