

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.

Cited by

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