

Title (en)

Variable valve apparatus for OHC type internal combustion engine

Title (de)

Variable Vorrichtung für Verbrennungsmotoren mit oben liegender Nockenwelle

Title (fr)

Appareil à soupape variable pour moteur à combustion interne à arbre à cames en tête

Publication

EP 2784273 A1 20141001 (EN)

Application

EP 14156797 A 20140226

Priority

- JP 2013061263 A 20130325
- JP 2013061265 A 20130325
- JP 2013061266 A 20130325

Abstract (en)

To provide a variable valve apparatus for an OHC type internal combustion engine which can keep a good maintenance performance of an ignition plug while miniaturization of a cylinder head is achieved by disposing a pressing force generation source at a position which is not far from the ignition plug and at which the pressing force generation source does not make an obstacle to a mounting and dismounting operation of the ignition plug. There is provided a variable valve apparatus for an OHC type internal combustion engine, in which a pressing force generation source (75) is attached to a wall face (100L) of a cylinder head (33) on which an ignition plug (49) is provided in a projecting manner. An accommodation case (77, 78) which accommodates a main body of the pressing force generation source (75) therein is provided at a position at which the accommodation case (77, 78) does not overlap with an ignition plug center axial line (Cs), which is directed by the ignition plug (49), as viewed in a cylinder axial line direction.

IPC 8 full level

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CPC (source: EP)

F01L 1/267 (2013.01); **F01L 13/0005** (2013.01); **F02B 61/02** (2013.01); **F02B 67/06** (2013.01)

Citation (applicant)

JP 2012077741 A 20120419 - HONDA MOTOR CO LTD

Citation (search report)

- [XAY] JP 2012036877 A 20120223 - HONDA MOTOR CO LTD
- [YD] JP 2012077741 A 20120419 - HONDA MOTOR CO LTD
- [Y] EP 2543834 A1 20130109 - HONDA MOTOR CO LTD [JP]

Cited by

EP2876269A3; EP4336020A1; EP4336019A1; US12025035B2

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