

Title (en)

Variable valve gear of internal combustion engine

Title (de)

Variable Ventilsteuerung für einen Verbrennungsmotor

Title (fr)

Mécanisme de distribution variable de moteur à combustion interne

Publication

EP 2853701 A1 20150401 (EN)

Application

EP 14175267 A 20140701

Priority

JP 2013205469 A 20130930

Abstract (en)

In a variable valve gear for an internal combustion engine in which a connection pin capable of connecting first and second rocker arms to each other is slidably fitted in the two rocker arms arranged adjacent to each other, and a press rod having a pressing portion abutting on a pressed portion formed at one end of the connection pin is movably supported in a support wall provided on a cylinder head to face the first rocker arm from the opposite side from the second rocker arm, the connection pin and the press rod are caused to abut on each other, while an increase in stiffness of a support wall is enabled with a structure capable of avoiding upsizing of the cylinder head. An accommodating hole (113) in which the pressing portion (104a) of the press rod (104) abuts on the pressed portion (97a) of the connection pin (97) is formed in the interior of the first rocker arm (71) to permit a relative movement of the press rod (104) to rocking of the first rocker arm (71).

IPC 8 full level

F01L 13/00 (2006.01)

CPC (source: EP)

F01L 13/0036 (2013.01)

Citation (applicant)

JP 2012077633 A 20120419 - HONDA MOTOR CO LTD

Citation (search report)

- [AD] JP 2012077633 A 20120419 - HONDA MOTOR CO LTD
- [A] JP 2012077741 A 20120419 - HONDA MOTOR CO LTD
- [A] US 2011303174 A1 20111215 - EZAKI SHUICHI [JP], et al
- [A] JP 2012077656 A 20120419 - HONDA MOTOR CO LTD

Cited by

US9816405B2; US10006317B2; US9915355B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

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