

Title (en)

Variable valve gear of internal combustion engine for saddle-ride type vehicle

Title (de)

Variabler Ventilantrieb für Verbrennungsmotoren von Sattelfahrzeugen

Title (fr)

Commande de soupape variable de moteur à combustion interne pour véhicule de type à selle

Publication

**EP 2853700 A1 20150401 (EN)**

Application

**EP 14168841 A 20140519**

Priority

- JP 2013205468 A 20130930
- JP 2013205470 A 20130930

Abstract (en)

To suppress the thermal impact to a solenoid and to facilitate to secure the maintenance space for an ignition plug in a variable valve gear of an internal combustion engine for a saddle-ride type vehicle in which a press rod to which a pressing force is imparted from the solenoid attached to an engine body on the same side of the ignition plug is made to abut upon a joining pin that is slidably fit to first and second rocker arms so as to be capable of switching joining and joining releasing of the first and second rocker arms. The solenoid 107 is attached to the side wall of a head cover 28 and on the same side of the ignition plug 65 that is attached to the side wall of a cylinder head 27 by a plurality of fastening members 110 so as to avoid overlapping of a housing 108 of the solenoid 107 with the extension of the center axis CP of the ignition plug 65.

IPC 8 full level

**F01L 13/00** (2006.01)

CPC (source: EP)

**F01L 13/0036** (2013.01)

Citation (search report)

- [E] EP 2821601 A2 20150107 - YAMAHA MOTOR CO LTD [JP]
- [A] JP H0510162 A 19930119 - HONDA MOTOR CO LTD
- [A] JP 2012077741 A 20120419 - HONDA MOTOR CO LTD
- [A] US 2011303174 A1 20111215 - EZAKI SHUICHI [JP], et al

Cited by

EP4336020A1; EP3363999A4; EP4336019A1; US12025035B2

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)

BA ME

DOCDB simple family (publication)

**EP 2853700 A1 20150401; EP 2853700 B1 20160427; ES 2572254 T3 20160531**

DOCDB simple family (application)

**EP 14168841 A 20140519; ES 14168841 T 20140519**