

Title (en)

Variable valve lift mechanism for engine and arrangement of oil control valve

Title (de)

Variabler Ventilhebemechanismus für einen Motor und Anordnung für ein Ölsteuerventil

Title (fr)

Mécanisme de levée de soupape variable et agencement pour soupape de contrôle d'huile

Publication

EP 2381074 A1 20111026 (EN)

Application

EP 11162558 A 20110415

Priority

- TW 99112418 A 20100420
- TW 99136566 A 20101026

Abstract (en)

An engine (3) has a cylinder block (32) mounted on a crankcase (31) and a cylinder head (33) mounted on the cylinder block (32). The cylinder head (33) has one side forming an intake port (331) and an intake valve (332) and another side forming an exhaust port (333) and an exhaust valve (334). A camshaft (336) includes an intake cam assembly (3361) and an the exhaust cam assembly (3362), which respectively drive an intake valve driving member (337) and an exhaust valve driving member (337'). The intake cam assembly (3361) includes a first intake cam (3361a) and a second intake cam (3361b). The intake valve driving member (337) includes a low lift driving member (3371) corresponding to the first intake cam (3361a) and a high lift driving member (3372) corresponding to the second intake cam (3361b). The low lift driving member (3371) and the high lift driving member (3372) form a hydraulic cylinder (338), which receives therein hydraulically operable pistons (3381, 3382).

IPC 8 full level

F01L 1/26 (2006.01)

CPC (source: EP KR US)

F01L 1/14 (2013.01 - KR); **F01L 1/267** (2013.01 - EP US); **F01L 13/00** (2013.01 - KR); **F01M 1/16** (2013.01 - KR)

Citation (search report)

- [A] WO 2009025205 A1 20090226 - HONDA MOTOR CO LTD [JP], et al
- [A] EP 1365115 A2 20031126 - HONDA MOTOR CO LTD [JP]
- [A] US 2002059911 A1 20020523 - TAKAHASHI MASAYUKI [JP], et al
- [A] US 5537963 A 19960723 - HASEBE TETSUYA [JP], et al
- [A] EP 0639694 A1 19950222 - HONDA MOTOR CO LTD [JP]

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EP2634386A1

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)

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US 2011253084 A1 20111020

DOCDB simple family (application)

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