

## 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]

## Cited by

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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## DOCDB simple family (application)

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