

Title (en)

ADJUSTABLE VALVE DEVICE, AND ENGINE DEVICE AND VEHICLE USING THE SAME

Title (de)

VERSTELLBARE VENTILVORRICHTUNG UND MOTORVORRICHTUNG UND DIESE VERWENDENDEN FAHRZEUG

Title (fr)

SOUPAPE REGLABLE, ET MOTEUR ET VEHICULE L UTILISANT

Publication

**EP 1956197 A1 20080813 (EN)**

Application

**EP 06832653 A 20061115**

Priority

- JP 2006322722 W 20061115
- JP 2005341591 A 20051128

Abstract (en)

During a low revolution period, centrifugal force applied to a weight is small and therefore the rotating operation of the weight is restricted. This prevents a lock pin from being fitted to the lock pin fitting hole of a floating cam portion, and the floating cam portion idles around a cam fixing shaft. During a high revolution period, centrifugal force applied to the weight increases, and therefore the weight rotates around the rotation shaft. In this way, the tip end of the lock pin is fitted to the lock pin fitting portion of the floating cam portion. Therefore, during the high revolution period, the floating cam portion is fixed with respect to the rotating direction of the variable valve system by the lock pin.

IPC 8 full level

**F01L 1/12** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)

**F01L 1/022** (2013.01 - EP US); **F01L 1/053** (2013.01 - EP US); **F01L 1/181** (2013.01 - EP US); **F01L 13/0005** (2013.01 - EP US); **F01L 13/0015** (2013.01 - EP US); **F01L 13/0036** (2013.01 - EP US)

Citation (search report)

See references of WO 2007060865A1

Cited by

EP2479388A4; EP2484874A3; US8807102B2

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Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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