

Title (en)  
VALVEGEAR MECHANISM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
VENTILTRIEB-VORRICHTUNG FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
MECANISME DE DISTRIBUTION A SOUPAPES POUR UN MOTEUR A COMBUSTION INTERNE

Publication  
**EP 1389266 A1 20040218 (DE)**

Application  
**EP 02732620 A 20020416**

Priority  
• DE 10125082 A 20010523  
• EP 0204175 W 20020416

Abstract (en)  
[origin: WO02095193A1] The invention relates to a valvegear mechanism for an internal combustion engine. Said mechanism comprises a camshaft in a separate cylinder head for controlling the stroke of a gas shuttle valve by means of an interposed rocker arm, which is mounted in the cylinder head on a piston that performs a lifting motion of a hydraulic valve-play compensation element. The aim of the invention is to achieve a play-free surface liaison of mechanical origin between the actuating elements of the gas shuttle valve. To achieve this, the piston of the hydraulic compensation element has a device that acts on an instrument for mechanically actuating a lifting stroke, in order to achieve a play-free surface liaison of the contact surfaces of the rocker arm and an additional valvegear element, whilst the valve-play compensation element is maintained hydraulically without pressure.

IPC 1-7  
**F01L 1/20**; **F01L 1/46**; **F01L 1/24**; **F01L 13/00**

IPC 8 full level  
**F01L 1/20** (2006.01); **F01L 1/24** (2006.01); **F01L 1/46** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP US)  
**F01L 1/20** (2013.01 - EP US); **F01L 1/2405** (2013.01 - EP US); **F01L 1/46** (2013.01 - EP US); **F01L 13/0021** (2013.01 - EP US); **F01L 13/0063** (2013.01 - EP US); **F01L 2013/0068** (2013.01 - EP US); **F01L 2303/01** (2020.05 - EP US); **Y10T 74/1828** (2015.01 - EP US); **Y10T 74/2107** (2015.01 - EP US)

Citation (search report)  
See references of WO 02095193A1

Cited by  
DE102016015443A1; DE102016015443B4

Designated contracting state (EPC)  
AT DE ES FR GB IT

DOCDB simple family (publication)  
**WO 02095193 A1 20021128**; AT E426086 T1 20090415; DE 10125082 A1 20021128; DE 50213367 D1 20090430; EP 1389266 A1 20040218; EP 1389266 B1 20090318; ES 2320634 T3 20090527; JP 2004521235 A 20040715; JP 3981637 B2 20070926; US 2004168661 A1 20040902; US 6959674 B2 20051101

DOCDB simple family (application)  
**EP 0204175 W 20020416**; AT 02732620 T 20020416; DE 10125082 A 20010523; DE 50213367 T 20020416; EP 02732620 A 20020416; ES 02732620 T 20020416; JP 2002591638 A 20020416; US 71640303 A 20031120