

Title (en)

VARIABLE VALVETRAIN HAVING LUBRICANT SUPPLY SYSTEM

Title (de)

VARIABLER VENTILTRIEB MIT SCHMIERMITTELVERSORGUNGSSYSTEM

Title (fr)

DISPOSITIF DE COMMANDE DE SOUPAPES VARIABLE AYANT UN SYSTÈME D'ALIMENTATION EN LUBRIFIANT

Publication

EP 3623592 A1 20200318 (EN)

Application

EP 18194801 A 20180917

Priority

EP 18194801 A 20180917

Abstract (en)

A variable valvetrain 2 for actuating a valve 70 of an internal combustion engine is provided. The valvetrain 2 comprises a rotatable valve crank 16 rotatably mounted by a valve crank bearing 15 to a rigid support body 80. The support body 80 is pivotably mounted on a pivot shaft 23. The valvetrain further comprises and a lubricant supply system 100 with a support-body lubricant supply channel 128 passing from the pivot shaft 23 through the support body 80 to the valve crank bearing 15.

IPC 8 full level

F01L 13/00 (2006.01); **F01L 1/053** (2006.01); **F01L 1/18** (2006.01); **F01M 9/10** (2006.01)

CPC (source: EP)

F01L 1/053 (2013.01); **F01L 1/185** (2013.01); **F01L 13/0063** (2013.01); **F01M 9/102** (2013.01); **F01M 9/105** (2013.01); **F01L 2810/02** (2013.01)

Citation (applicant)

- WO 2014135321 A1 20140912 - EISENBEIS UWE [DE]
- WO 2017129820 A1 20170803 - EISENBEIS UWE [DE]

Citation (search report)

- [Y] US 2012227694 A1 20120913 - FRICKMANN JESPER [US]
- [Y] FR 2853001 A1 20041001 - HITACHI UNISIA AUTOMOTIVE LTD [JP]
- [Y] DE 102016101655 A1 20170803 - EISENBEIS UWE [DE]
- [Y] DE 102005057127 A1 20061109 - EISENBEIS UWE [DE]
- [Y] JP S6319008 U 19880208
- [Y] JP S5077626 U 19750705

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 3623592 A1 20200318; CN 113039349 A 20210625; CN 113039349 B 20230627; EP 3853448 A1 20210728; EP 3853448 B1 20240515; EP 3853448 C0 20240515; WO 2020058200 A1 20200326

DOCDB simple family (application)

EP 18194801 A 20180917; CN 201980060503 A 20190916; EP 19766048 A 20190916; EP 2019074723 W 20190916