

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)

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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