

Title (en)

Oil control valve for variable cam phaser

Title (de)

Ölsteuerungsventil für einen regelbaren Nockenwellenversteller

Title (fr)

Soupape de contrôle d'huile pour déphaseur à came variable

Publication

**EP 2025885 A2 20090218 (EN)**

Application

**EP 08161391 A 20080729**

Priority

US 89108007 A 20070809

Abstract (en)

An oil control valve for a variable cam phaser (14) has a secure steel-to-steel fit between the secondary plate (62) of the bobbin (42) and the frame (52) owing to a shoulder (58) formed in the frame (52) against which the secondary plate (62) abuts, and also owing to an o-ring (64) disposed between the bobbin (42) and frame (52). This prevents oil from leaking into the electrical connector (46) of the valve, which advantageously can be oriented parallel to the axis of the valve.

IPC 8 full level

**F01L 1/344** (2006.01); **F15B 13/044** (2006.01); **F16K 27/02** (2006.01); **F16K 31/06** (2006.01); **H01F 7/16** (2006.01)

CPC (source: EP US)

**F01L 1/3442** (2013.01 - EP US); **F01L 2001/34426** (2013.01 - EP US); **F01L 2001/3443** (2013.01 - EP US); **H01F 7/128** (2013.01 - EP US)

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2025885 A2 20090218**; **EP 2025885 A3 20090415**; US 2009038571 A1 20090212

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