

Title (en)

Engine valve timing control system.

Title (de)

Ventilsteuerungsregelungssystem für Brennkraftmaschine.

Title (fr)

Système de contrôle pour le timonerie des soupapes d'un moteur.

Publication

EP 0156996 A1 19851009 (EN)

Application

EP 84115936 A 19841220

Priority

US 57535584 A 19840130

Abstract (en)

An engine valve timing control system using electrohydraulic valve lifters or adjusters (51, 52, 53, 54, 55, 56, 57, 58) operatively connected to a microprocessor based electronic control unit (32) will provide real time charges in engine valve timing. As a result, engine performance will be improved over the mechanically controlled engine valves which at best are compromises between engine operating extremes. Each lifter is "homed" to the base circle of the cam through the use of check valves (67, 69, 69a) and high pressure pulses generated in the oil lines (60) supplying the lifters.

IPC 1-7

F01L 31/22; **F01L 9/02**

IPC 8 full level

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CPC (source: EP)

F01L 9/10 (2021.01); **F01L 13/0021** (2013.01); **F01L 13/0031** (2013.01)

Citation (search report)

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