

Title (en)

A POWER UNIT WITH VARIABLE VALVE TIMING SYSTEM

Title (de)

ANTRIEBSEINHEIT MIT VARIABLEM VENTILSTEUERUNGSSYSTEM

Title (fr)

UNITÉ D'ALIMENTATION DOTÉE D'UN SYSTÈME DE DISTRIBUTION VARIABLE

Publication

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Application

EP 21713149 A 20210220

Priority

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Abstract (en)

[origin: WO2021165993A1] The present subject matter relates to a power unit with variable valve timing system. The power unit (100) comprises a cylinder head assembly (102). A variable valve timing system provided on the cylinder head assembly (102) comprises a first cam (142) for actuating one or more first valves (132) through a first rocker arm (144) pivotable about a first axis (S-S1). A secondary cam (152) for selectively actuating the one or more first valves (132) through a secondary rocker arm (154) pivotable about the first axis (S-S1). An engaging unit (145, 160, 162) is disposed about the first axis (S-S1) is configured to selectively engage the secondary rocker arm (154) with the first rocker arm (144). The present invention provides a system with lower inertia due to mass accumulation near to the first axis (S-S') thereby enabling ease of operation and operation at higher speed of the power unit.

IPC 8 full level

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US 5809952 A 19980922 - ONO TAKASHI [JP], et al

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