

Title (en)

Internal combustion engine with a cam phase variation apparatus

Title (de)

Brennkraftmaschine mit Vorrichtung zur Verstellung der Nockenphase

Title (fr)

Moteur à combustion interne avec dispositif de variation de la phase de l'arbre à cames

Publication

EP 0704605 B1 20030604 (EN)

Application

EP 95115427 A 19950929

Priority

JP 26182694 A 19940930

Abstract (en)

[origin: EP0704605A2] This invention concerns internal combustion engines comprising an engine block including a cylinder head unit attached to a cylinder block, a valve actuating mechanism including at least one camshaft, a camshaft drive mechanism including a cam sprocket associated to the camshaft, and a cam phase variation apparatus for varying the angular relation between said camshaft and cam sprocket, said cam phase variation apparatus including an operating mechanism mounted on the camshaft and a hydraulic actuation means connected with said operating mechanism. The engine has been improved in that the hydraulic actuation means forms a pre-assembled unit attached to the engine block from the outside. <IMAGE>

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IPC 8 full level

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EP1270880A1; US6247436B1; US6263845B1; WO9923362A1; WO9917002A1; EP2267282B1

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