

Title (en)
PHASE VARIABLE DEVICE FOR ENGINE

Title (de)
PHASENVERÄNDERLICHE VORRICHTUNG FÜR EINEN MOTOR

Title (fr)
DISPOSITIF À VARIATION DE PHASE POUR MOTEUR

Publication
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Application
EP 10851739 A 20100518

Priority
JP 2010058370 W 20100518

Abstract (en)
OBJECT To provide a variable cam phaser for an automobile engine, equipped with a self-locking mechanism which is simpler in structure, cost effective, and easy to manufacture MEANS FOR ACHIEVING THE OBJECT In a variable cam phaser having a phase angle varying mechanism for varying the phase angle of the camshaft relative to the drive rotor driven by the crankshaft and a self-locking mechanism for preventing an unexpected change in the phase angle, the self-locking mechanism is provided with: an eccentric circular cam (12) integral with the camshaft (6) and a support groove (15) for supporting the eccentric circular cam from the both sides thereof at positions offset from the camshaft axis towards the eccentric cam center; a lock plate integrally held with the control rotor by means of a coupling mechanism; and a cylindrical portion belonging to the drive rotor in which the lock plate is inscribed

IPC 8 full level
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