

Title (en)

CAMSHAFT ADJUSTER FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

NOCKENWELLENVERSTELLER FÜR EINE VERBRENNUNGSKRAFTMASCHINE

Title (fr)

DISPOSITIF DE REGLAGE DE L'ARBRE A CAMES D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1794420 B1 20090701 (DE)

Application

EP 05773962 A 20050810

Priority

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- DE 102004047817 A 20040929

Abstract (en)

[origin: US2007169733A1] A camshaft adjuster for an internal combustion engine comprises a stator having inwardly projecting stator vanes, which are distributed over the periphery of the stator and which have at least one stator vane accommodating pocket located in the stator. This stator vane accommodating pocket is open toward the interior and a stator vane planet gear is mounted inside the stator vane accommodating pocket. A rotor is mounted inside the stator and comprises rotor vanes having at least one rotor vane accommodating pocket open toward the exterior, inside of which a rotor vane planet gear is mounted. The stator vane planet gears mesh with a denticulated segment located on the outer periphery of the rotor between each of the rotor vanes, and the rotor vane planet gears mesh with a denticulated segment located on the inner periphery of the stator between each of the stator vanes.

IPC 8 full level

F01L 1/344 (2006.01); **F01L 1/352** (2006.01)

CPC (source: EP KR US)

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