

Title (en)

DEVICE FROM CHANGING THE CONTROL TIMES OF GAS EXCHANGE VALVES IN AN INTERNAL COMBUSTION ENGINE IN PARTICULAR A ROTATING PISTON ADJUSTMENT DEVICE FOR ANGULAR ADJUSTMENT OF A CAMSHAFT RELATIVE TO A CRANKSHAFT

Title (de)

VORRICHTUNG ZUM VERÄNDERN DER STEUERZEITEN VON GASWECHSELN TILN EINER BRENNKRAFTMASCHINE, INSBESONDERE ROTATIONSKOLBEN-VERSTELLEINRICHTUNG ZUR DREHWINKELVERSTELLUNG EINER NOCKENWELLE GEGEN BER EINER KURBELWELLE

Title (fr)

DISPOSITIF POUR MODIFIER LES TEMPS DE COMMANDE DE SOUPAPES D'ECHANGE GAZEUX D'UN MOTEUR A COMBUSTION INTERNE, EN PARTICULIER UN DISPOSITIF D'AJUSTEMENT DE PISTONS DE ROTATION PERMETTANT UN AJUSTAGE DE L'ANGLE DE ROTATION ENTRE UN ARBRE A CAMES ET UN VILEBREQUIN

Publication

**EP 1706604 A1 20061004 (DE)**

Application

**EP 04765996 A 20041020**

Priority

- EP 2004011850 W 20041020
- DE 10355502 A 20031127

Abstract (en)

[origin: DE10355502A1] A system for controlling the timing of an IC engine, e.g. a radial piston engine has a first hydraulic control wheel (3) rigidly connected to the camshaft and set inside an outer control wheel (2) coupled to the crankshaft, e.g. by a timing chain/belt. The inner wheel has radial flanges moving inside hydraulic chambers in the inner wheel and with a hydraulic control system to vary the relative angular positions of the two wheels. The system includes a locking means (14) to lock the relative settings when the hydraulic pressure falls below a preset level.

IPC 8 full level

**F01L 1/344** (2006.01)

CPC (source: EP KR US)

**F01L 1/344** (2013.01 - KR); **F01L 1/3442** (2013.01 - EP US)

Citation (search report)

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