

Title (en)

Device to modify the angular phase of an internal combustion engine camshaft

Title (de)

Vorrichtung zur Verstellung einer Nockenwelle einer Brennkraftmaschine mit innerer Verbrennung

Title (fr)

Dispositif pour modifier la phase angulaire d'un arbre à cames de moteur à combustion interne

Publication

EP 0911492 B1 20020306 (DE)

Application

EP 98890293 A 19981013

Priority

- AT 177897 A 19971021
- AT 142298 A 19980820

Abstract (en)

[origin: EP0911492A1] Adjustment member (6) includes a hydraulic pump part (7) driven by the drive gear and a hydraulic drive part (8) connected to the camshaft (1a). The pump output has a flow connection to the drive part input and the flow rate and/or pressure of the working fluid delivered by the pump part can be controlled. Preferably pump and drive part are displacement machines.

IPC 1-7

F01L 1/344

IPC 8 full level

F01L 1/344 (2006.01)

CPC (source: EP US)

F01L 1/344 (2013.01 - EP US); **Y10T 74/2102** (2015.01 - EP US)

Designated contracting state (EPC)

AT DE ES FR GB IT

DOCDB simple family (publication)

EP 0911492 A1 19990428; EP 0911492 B1 20020306; AT E214125 T1 20020315; DE 59803257 D1 20020411; US 6138623 A 20001031

DOCDB simple family (application)

EP 98890293 A 19981013; AT 98890293 T 19981013; DE 59803257 T 19981013; US 17687998 A 19981021