

Title (en)
INTERNAL COMBUSTION ENGINE WITH CAMSHAFTS AND A PHASE CHANGE MECHANISM

Publication
EP 0416463 B1 19920429 (DE)

Application
EP 90116637 A 19900830

Priority
DE 3929623 A 19890906

Abstract (en)
[origin: EP0416463A1] In an internal combustion engine with camshafts (2, 3) and a mechanism for changing the phase of one (2) of the camshafts relative to a driving wheel (5), the mechanism comprising a hydraulic motor (7) and a hydraulic pump (10), free combination of the pump and hydraulic motor is made possible by the fact that the pump (10) is arranged structurally separate from the hydraulic motor (7) on a detachable crankcase cover (8) of the internal combustion engine and the crankcase cover (8) is provided with devices for the drive arrangement of the pump with the camshaft (3) controlling the exhaust valves. In one embodiment of the invention, the device is chosen for the drive arrangement of a pump (10) provided as a preassembled unit. In a further illustrative embodiment, the device is a component which is integrated into the crankcase cover of the internal combustion engine and, together with a part arranged on the driving camshaft, forms the pump.

IPC 1-7
F01L 1/34

IPC 8 full level
F01L 1/34 (2006.01); **F01L 1/344** (2006.01)

CPC (source: EP)
F01L 1/34406 (2013.01)

Cited by
EP0582846A1; EP0863297A1; WO2008095459A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0416463 A1 19910313; EP 0416463 B1 19920429; DE 3929623 A1 19910307; DE 59000108 D1 19920604

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EP 90116637 A 19900830; DE 3929623 A 19890906; DE 59000108 T 19900830