

Title (en)

Cam drive arrangement for driving the pump piston of an injector pump of a four-stroke internal combustion engine

Title (de)

Steuernocken-Anordnung zur Steuerung der Pumpenkolben einer Einspritzpumpe einer 4-Takt-Brennkraftmaschine

Title (fr)

Agencement de came d'entraînement pour entraîner le piston d'une pompe d'injection pour un moteur à combustion interne

Publication

**EP 0590362 B1 19961023 (DE)**

Application

**EP 93114386 A 19930908**

Priority

AT 192492 A 19920929

Abstract (en)

[origin: EP0590362A1] A special control cam arrangement for controlling the pump pistons of an injection pump of a 4-stroke internal combustion engine, especially a diesel engine, is created, which is characterised in that the control cam(s) (17) and the associated base circle(s) (20) are provided on the crankshaft (4) of the internal combustion engine and that a pump is used as injection pump (11), the delivery of which is controlled by solenoid valves (18 and 22, 23 and 24, 25, 26). This produces a series of advantages such as reduced engine manufacturing costs, higher rates of delivery, excitation of less torsional vibration and noise, and lower Hertzian stresses. <IMAGE>

IPC 1-7

**F02M 39/02**; **F02M 59/10**

IPC 8 full level

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CPC (source: EP)

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Citation (examination)

EP 0462404 A1 19911227 - BOSCH GMBH ROBERT [DE]

Cited by

EP2375030A3; DE19654290A1; US6007305A; GB2540584A; DE19654286A1; GB2338512A; DE102010016356A1; US6196170B1; EP2385237A2; WO2016055247A1; WO2014044438A1; EP2342449A1; EP2529102A2

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