

Title (en)

Fuel injection system for an internal combustion engine

Title (de)

Einspritzvorrichtung einer Brennkraftmaschine

Title (fr)

Système d'injection d'un moteur à combustion interne

Publication

EP 0478099 B1 20000712 (EN)

Application

EP 91250240 A 19910829

Priority

- JP 25733690 A 19900928
- JP 26936990 A 19901009

Abstract (en)

[origin: EP0478099A2] The present invention relates to a high pressure oil generating apparatus of an internal combustion engine for driving valves or devices installed in the internal combustion engine with working oil. The construction consists of a cam having one and more lobes fixed to a crank shaft as one body, one and more jerk type high pressure pumps operated by the cam, a working oil source for feeding working oil to the high pressure pumps, an accumulator for accumulating high pressure working oil discharged from respective high pressure pumps and a control means, and is characterized in that the rack positions of above-mentioned respective high pressure pumps are adjusted and the working oil pressure is controlled at a predetermined pressure by the control means. Thus, the high pressure oil generating apparatus is applied practically for controlling the fuel injection quantity of the internal combustion engine and for controlling a suction/discharge valve, and particularly for controlling operation of a discharge valve. <IMAGE>

IPC 1-7

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IPC 8 full level

F01L 9/10 (2021.01); **F01M 1/02** (2006.01); **F02M 59/06** (2006.01); **F02M 59/10** (2006.01)

CPC (source: EP KR)

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Cited by

US6050248A; FR2758857A1; DE10010945A1; DE10010945B4; EP0629777A1; US5511956A; GB2291121A; GB2291121B; CN108443126A; WO9928612A1; WO9928611A1

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DOCDB simple family (publication)

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