

Title (en)

ELECTRO-HYDRAULIC CONTROL SYSTEM FOR ADJUSTING THE TIMING OF INJECTION PUMPS OF FUEL INJECTION INTERNAL COMBUSTION ENGINES

Publication

EP 0115481 A3 19840822 (DE)

Application

EP 84890023 A 19840127

Priority

AT 31483 A 19830131

Abstract (en)

[origin: EP0115481A2] The system is provided with a hydraulic final controlling element (51), which is designed as a single-acting cylinder and engages against the action of a spring in the transmission mechanism for driving the injection pump (2). The working chamber of the said element is connected via a non-return valve (24), opening towards the working chamber, and a restrictor (25), connected in parallel with the latter, to the delivery side of a fuel feed pump (50), which is driven by the internal-combustion engine, supplies the inlet chamber of the injection pump (2) and has an electrically driven fuel feed pump (52) connected in parallel with it. The said working chamber is also connected via a solenoid valve (27) to a return line, the inlet chamber of the injection pump (2) being permanently connected to the return line via a pressure-maintaining valve (58) and a restrictor (59) lying in series with the latter. <IMAGE>

IPC 1-7

F02D 1/18

IPC 8 full level

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CPC (source: EP)

F02D 1/183 (2013.01)

Citation (search report)

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EP1146224A1; WO2012117043A3

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