

Title (en)
FUEL-INJECTION PUMP

Publication
EP 0070558 B1 19841031 (DE)

Application
EP 82106523 A 19820720

Priority
DE 3128975 A 19810722

Abstract (en)
[origin: US4501246A] A fuel injection pump is proposed in which the fuel metering during the intake stroke of the pump pistons of the fuel injection pump is effected via a pressure conduit, the cross section of which is controlled first by an electrically controlled switching valve and second by means of the control of a fuel supply opening of the pressure conduit by means of a control groove, which communicates with the pump work chamber and, as part of a distributor shaft, is guided in synchronism with rpm. By means of the oblique disposition of the control groove and the possibility of an electrically controlled longitudinal displacement of the distributor shaft, the angular position at which injection takes place can be embodied in an arbitrary manner in combination with a switching valve.

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F02M 41/06

IPC 8 full level
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CPC (source: EP US)
F02M 41/063 (2013.01 - EP US); **F02M 41/066** (2013.01 - EP US); **F02M 59/205** (2013.01 - EP US)

Cited by
FR2536464A1; US5050558A; GB2156910A; WO8706307A1; WO8900243A1

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DE FR GB

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EP 0070558 A1 19830126; **EP 0070558 B1 19841031**; BR 8204235 A 19830712; DE 3128975 A1 19830210; DE 3261137 D1 19841206; JP H024780 B2 19900130; JP S5825565 A 19830215; US 4501246 A 19850226

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