

Title (en)
FUEL INJECTION PUMP FOR AN INTERNAL-COMBUSTION ENGINE

Publication
EP 0172370 B1 19880330 (DE)

Application
EP 85108177 A 19850702

Priority
DE 3429027 A 19840807

Abstract (en)
[origin: EP0172370A1] 1. Fuel injection pump for internal-combustion engines, having a distributor (3) which is arranged in a bore (2) of the housing of the fuel injection pump and, on its circumferential surface, has control edges (20, 21) running at an angle to the axial direction, and a distributor opening (23), having a device (32) for setting the axial position of the distributor, as the result of which the fuel quantity can be determined which is fed via the distributor opening (23) per injection action to individual fuel injection lines (25) leading off from the bore (2) to the injection points at the internal-combustion engine, having a coupling (4) for connecting the distributor (3) to a rotating drive shaft (6) which has an oblique guide (48) via which a driving ring (44) is coupled which rotates with the drive shaft and interacts with a coupling piece (40) which is connected to the distributor (3) and plunges into an axial bore (36) in the drive shaft (6), with at least one driving surface (45), which extends in the axial direction and permits a relative displacement in the axial direction, being provided on the driving ring or on the coupling piece in order to transmit force in the direction of rotation, and moreover having an adjusting device (62, 57, 50, 53) for setting the axial position of the driving ring (44), characterized in that the driving ring (44) is inserted into the axial bore (36) of the drive shaft (6) and can be adjusted by a driving part which passes radially through at least one penetration (48), acting as an oblique guide, in the wall of the axial bore and is connected to an adjusting ring (50) which is guided on the cylindrical outer circumference (49) of the drive shaft (6) and can be actuated by the adjusting device (62, 57).

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