

Title (en)

FUEL-INJECTION DISTRIBUTOR PUMP FOR INTERNAL-COMBUSTION ENGINES.

Title (de)

VERTEILERKRAFTSTOFFEINSPRITZPUMPE FÜR BRENNKRAFTMASCHINEN.

Title (fr)

POMPE D'INJECTION DISTRIBUTRICE POUR MOTEURS A COMBUSTION INTERNE.

Publication

EP 0678161 A1 19951025 (DE)

Application

EP 95900049 A 19941028

Priority

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- DE 4338344 A 19931110

Abstract (en)

[origin: WO9513469A1] Described is a fuel-injection distributor pump of the radial-piston type with two intersecting cylinders in the rotor unit and, fitted in each cylinder, two pistons located one at each end of the cylinder to delimit the swept space (33) in the pump. The pistons (27) in the first cylinder (25) are designed with a length such that, during their stroke, they project into the second cylinder (29) whose pistons (31) do not reach the first cylinder (25) even at the limit of their stroke. The invention calls for the short pistons (31) to have a stop in the form of a collar (43) on the end projecting out of the cylinder (29), the stop being designed to prevent the short pistons from sliding between the long pistons (27) when the pump is switched off, thus enabling the stroke of the pistons to be increased to the extent that the long pistons (27) emerge from the cylinders (29) carrying the short pistons (31) during their aspiration stroke.

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