

## Title (en)

ROTOR CARBURETTOR FOR STARTING AND OPERATING AN INTERNAL COMBUSTION ENGINE, EVEN WITH HIGH FUEL TEMPERATURES

## Publication

**EP 0149614 B1 19880323 (DE)**

## Application

**EP 84901735 A 19840504**

## Priority

CH 383883 A 19830712

## Abstract (en)

[origin: WO8500412A1] The single fuel outlet opening (17) arranged laterally on the rotor body (2) of the rotor carburettor is connected to the exhaust opening (11) of the fixed fuel supply pipe (10) coaxial with respect to the rotation axis of the rotor (8) by a fuel feed channel (19, 20), the medial line thereof and the rotation axis (8) being in the same plane. The fuel feed channel (19, 20) is provided with an inlet opening (21) coaxial with respect to the exhaust opening (11) and a skewed inlet section (20) downstream of the inlet opening (21) and diverging to the side of the fuel outlet port (17) of the rotation axis (8). Only a very small portion of the inlet section (20) of which the diameter is smaller than the internal diameter of the supply pipe (10), is arranged on the side of the rotation axis (8) which is diverted from the fuel outlet port. The other sections (19a, 19b, 19c) of the fuel feed channel connected to the inlet section (20) have all a diameter which is larger than the diameter of the inlet section (20). The skewed inlet section (20) replaces the cylindrical fuel chamber which is coaxial with respect to the rotation axis of the rotor and which is found in known rotor carburettors and ensures, even if the fuel temperature is 80°C, an effortless starting as well as a continuous operation of an internal combustion engine provided with such a rotor carburettor.

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**F02M 69/06**

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- US 4283358 A 19810811 - DIENER RUDOLF
- DE 2536996 A1 19770210 - AUTOELEKTRONIK AG

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