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<o>C, an effortless starting as well as a continuous operation of an internal combustion engine provided with such a rotor carburettor.

IPC 1-7

F02M 69/06

IPC 8 full level

F02M 17/16 (2006.01); **F02M 69/06** (2006.01)

CPC (source: EP)

F02M 17/16 (2013.01); **F02M 69/06** (2013.01); F02D 2200/0606 (2013.01)

Citation (examination)

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

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

WO 8500412 A1 19850131; CH 663823 A5 19880115; CS 255860 B2 19880315; DE 3470080 D1 19880428; EP 0149614 A1 19850731; EP 0149614 B1 19880323; IT 1176279 B 19870818; IT 8421287 A0 19840607; IT 8421287 A1 19851207

DOCDB simple family (application)

CH 8400068 W 19840504; CH 383883 A 19830712; CS 423184 A 19840605; DE 3470080 T 19840504; EP 84901735 A 19840504; IT 2128784 A 19840607