

Title (en)

A system for automatically adjusting the diffuser and gasoline passage sections of carburetors.

Title (de)

Anordnung zur automatischen Regelung des Querschnittes eines Vergaserdiffusors und einer Kraftstoffdüse.

Title (fr)

Dispositif pour ajuster automatiquement les sections du diffuseur et du conduit d'essence de carburateurs.

Publication

**EP 0165679 A1 19851227 (EN)**

Application

**EP 85303033 A 19850429**

Priority

- ES 286252 U 19850423
- ES 532074 A 19840430

Abstract (en)

A system for automatically adjusting the diffuser and gasoline passage sections of carburetors. During acceleration, the passage section of the diffuser (5) is increased gradually simultaneously with the opening of the throttle valve, and a needle valve (3) for the inlet of gasoline to the nozzle is opened. A gasoline overfeed valve (43) is activated to initiate acceleration, which activation is interrupted at successive positions of the accelerator. Said overfeed valve is also activated when starting a cold engine by pulling the starter, closing its throttle valve and partially opening the acceleration valve, with the consequent increase in the diffuser and gasoline passage sections.

IPC 1-7

**F02M 9/10**; **F02M 19/08**; **F02M 7/08**; **F02M 1/16**

IPC 8 full level

**F02M 1/16** (2006.01); **F02M 7/08** (2006.01); **F02M 9/10** (2006.01); **F02M 19/08** (2006.01)

CPC (source: EP US)

**F02M 1/16** (2013.01 - EP); **F02M 7/08** (2013.01 - EP US); **F02M 9/103** (2013.01 - EP); **F02M 19/081** (2013.01 - EP)

Citation (search report)

- [A] GB 1468227 A 19770323 - COLT IND OPERATING CORP
- [A] DE 3200744 A1 19830721 - HINTZE WERNER KARL HEINZ
- [A] US 2389219 A 19451120 - THOMPSON ROBERT K, et al
- [A] GB 2110761 A 19830622 - SUZUKI MOTOR CO
- [A] US 2744736 A 19560508 - EVINRUDE RALPH S
- [A] GB 1027237 A 19660427 - HOLLEY CARBURETOR CO
- [A] US 3815562 A 19740611 - SHOWALTER M, et al

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0165679 A1 19851227**; BR 8502132 A 19860107

DOCDB simple family (application)

**EP 85303033 A 19850429**; BR 8502132 A 19850430