

Title (en)  
**CARBURETOR**

Publication  
**EP 0067042 B1 19881207 (EN)**

Application  
**EP 82302867 A 19820603**

Priority  
• US 27059381 A 19810604  
• US 36789782 A 19820413

Abstract (en)  
[origin: EP0067042A2] A fluid mixing device in the form of a carburetor is described which has a system for metering fuel, The carburetor includes an air passageway (16, 18), and a throttle valve (14) which has a throttle aperture (26) and is movable across the air passageway (16, 18) to control the effective cross-sectional dimension of the throttle opening. The fuel metering system includes a fuel metering tube (40) extending through a complimentary lateral aperture (46) in the throttle valve such that the throttle valve (14) is slidable upon the metering tube (40). A longitudinal fuel distribution outlet extends (62) along one side of the fuel metering tube and the effective length of the distribution outlet (62) is controlled in dependence on the cross-sectional dimension of the throttle opening by the position of the throttle valve (14). The flow of fuel through the distribution outlet (62) is further controlled in relation to the pressure of air in the air passageway (16, 18), in a number of ways.

IPC 1-7  
**F02M 9/06**

IPC 8 full level  
**F02M 9/06** (2006.01)

CPC (source: EP US)  
**F02M 9/06** (2013.01 - EP US)

Citation (examination)  
• US 3709469 A 19730109 - EDMONSTON W, et al  
• US 3957930 A 19760518 - BIRMINGHAM JAMES R  
• US 1142763 A 19150608 - PERRY FRANK [US]  
• US 4205024 A 19800527 - HIROSAWA TAMIO [JP]

Cited by  
EP1412632A4; CN100408840C

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0067042 A2 19821215; EP 0067042 A3 19830420; EP 0067042 B1 19881207; DE 3279271 D1 19890112**

DOCDB simple family (application)  
**EP 82302867 A 19820603; DE 3279271 T 19820603**