

Title (en)  
Fuel inlet assembly for a carburetor.

Title (de)  
Brennstoffeinlasssatz für Vergaser.

Title (fr)  
Ensemble d'admission de carburant pour carburateur.

Publication  
**EP 0193264 A2 19860903 (EN)**

Application  
**EP 86300356 A 19860120**

Priority  
US 70658585 A 19850228

Abstract (en)  
A motor vehicle fuel system includes a tank (40), a fuel pump (44) and a carburetor (48) including a fuel inlet. A first fuel line (42) connects the pump inlet and the tank, a second fuel line (36) connects the pump outlet and the carburetor fuel inlet, and a third fuel line (50) connects the pump outlet and the tank. A first check valve (52) is disposed within the third fuel line near the tank for preventing flow from the tank into the third fuel line. The carburetor further includes a needle valve disposed within the fuel inlet. To solve an intermittent problem with the needle valve sticking in its seat, whereby the vehicle engine cannot be started, a second check valve member (54) is disposed within the fuel path upstream from the needle valve. The valve member prevents flow from the vicinity of the needle valve toward the fuel pump and the tank.

IPC 1-7  
**F02M 5/12**; **F02M 37/00**

IPC 8 full level  
**F02M 5/12** (2006.01); **F02M 37/00** (2006.01)

CPC (source: EP)  
**F02M 5/12** (2013.01); **F02M 37/0017** (2013.01); **F02M 37/0023** (2013.01); **F02M 37/0052** (2013.01)

Cited by  
EP0285416A1; US4997555A; US5772928A

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

DOCDB simple family (publication)  
**EP 0193264 A2 19860903**; **EP 0193264 A3 19870204**; **EP 0193264 B1 19900523**; DE 3671501 D1 19900628; JP H0580589 B2 19931109; JP S61205370 A 19860911

DOCDB simple family (application)  
**EP 86300356 A 19860120**; DE 3671501 T 19860120; JP 2491386 A 19860206