

Title (en)

FUEL SAVING DEVICE FOR INTERNAL COMBUSTION ENGINES.

Title (de)

BRENNSTOFFSPARANORDNUNG FÜR VERBRENNUNGSMOTOREN.

Title (fr)

DISPOSITIF D'ECONOMIE DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE.

Publication

**EP 0323469 A4 19891213 (EN)**

Application

**EP 87905846 A 19870818**

Priority

US 89988186 A 19860825

Abstract (en)

[origin: WO8801687A1] A fuel saving device comprising a chamber (18) formed within a housing (12) adapted to be mounted between the carburetor (14) and the intake manifold (16) of an internal combustion engine, the chamber (18) having an inlet end opening (19) which registers with the discharge passage of the carburetor (14) and receives a fuel-air mixture formed in the carburetor, and an outlet end opening (20) which connects to the intake manifold. Micro-porous filter plates (32, 34, 38 and 40) are mounted in the chamber (18) transversely to the path of flow of the fuel-air mixture, are spaced from each other in the direction of flow, and a by-pass passage (46) is associated with some of the filter plates (32, 34, 38 and 40). Increased vaporization of the fuel results from the flow of the fuel-air mixture around and through the filter plates with the result that the fuel quantity can be reduced, fuel economy improved, and exhaust emissions decreased.

IPC 1-7

**F02M 29/04**

IPC 8 full level

**F02M 29/04** (2006.01)

CPC (source: EP)

**F02M 29/04** (2013.01)

Citation (search report)

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- See references of WO 8801687A1

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