

Title (en)

Pneumatic device able to transitorially enrich the mixture delivered by a carburetor for internal combustion engines.

Title (de)

Pneumatische Vorrichtung zur vorübergehenden Anreicherung des Gemisches eines Vergasers für Brennkraftmaschinen.

Title (fr)

Dispositif pneumatique pour enrichir transitoirement le mélange délivré par carburateur pour moteurs à combustion interne.

Publication

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Application

EP 84830301 A 19841105

Priority

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Abstract (en)

A device suitable to transitorially enrich the mixture delivered by a carburetor includes a housing (1), enclosing two chambers (5) and (6), which are separated by a diaphragm (3); chamber (5) communicates with the manifold through a channel (7); chamber (6) communicates with chamber (5) through a metering hole (8), which crosses the plates (4a and 4b); a spring (9) and the forces due to pressures acting on the 2 diaphragm sides (3) act on the diaphragm (3); a chamber (13) separated from the chamber (6) by a diaphragm (11), communicates with the float, chamber (2) through an inlet and with the main circuit (15) through an outlet (16), closed by a valve formed by a spring (18), suitable for pushing a sphere (19) on a seat (17). A bar (20) integral to the diaphragms (3, 11) supports a pushing rod (24), which under the action of pressure forces acting on the diaphragm (3) removes the sphere (19) from the seat (17), opening the outlet passage. The fuel is metered out by a bush (25).

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