

Title (en)

Device for regulating the air input flow rate to an internal combustion engine carburettor.

Title (de)

Gerät zum Regeln der Einlassluftmenge in einem Vergaser eines Verbrennungsmotors.

Title (fr)

Appareil de régulation du débit d'air d'admission dans le carburateur d'un moteur à combustion interne.

Publication

**EP 0343515 A2 19891129 (EN)**

Application

**EP 89108969 A 19890518**

Priority

IT 5318388 U 19880527

Abstract (en)

A device for regulating the air input flow rate to an internal combustion engine carburettor during cold-starting is described; the device consists of a butterfly valve disposed upstream of the carburettor diffuser, elastic opposition means, an actuator operated by the engine temperature increase, and mechanical transmission means connecting the actuator, the opposition means and the butterfly valve together in such a manner as to keep this latter normally closed when the engine is cold; the actuator incorporates a shape memory element (SME) arranged to selectively assume, as a function of the instantaneous engine temperature, a plurality of predetermined shapes.

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IPC 8 full level

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