

Title (en)

Carburettor with means for adjusting the air-fuel ratio as a function of pulsation amplitude.

Title (de)

Vergaser mit Vorrichtungen zur Korrektur der Gemischzusammensetzung in Funktion der Schwingungsamplitude.

Title (fr)

Carburateur avec moyens de correction de la richesse du mélange en fonction de l'amplitude des pulsations.

Publication

EP 0019512 A1 19801126 (FR)

Application

EP 80400580 A 19800425

Priority

FR 7912124 A 19790511

Abstract (en)

[origin: ES8100701A1] In a carburetor the fuel jet system opening into the intake pipe of the engine comprises an emulsion well supplied with air and fuel and a device for correcting the fuel/air ratio of the mixture supplied to the engine as a function of the amplitude of the alternating pressure variations caused by the suction of the engine in the intake pipe. The correcting device comprises a movable wall defining a chamber which communicates with the emulsion well and to which the alternating pressure variations are applied through an attenuator. The device adjusts the depression in the emulsion well for increasing or reducing the amplitude of the alternating component of the pressure which is communicated thereto from the opening of the fuel jet system according as to whether the acoustic matching of the carburetor-engine manifold assembly tends to produce an excessive or insufficient fuel/air ratio under high load.

Abstract (fr)

Carburateur comportant un système de jaillissement de combustible comprenant un puits d'émulsion (8) et un dispositif destiné à corriger la richesse du mélange air/combustible fourni au moteur en fonction de l'amplitude des pulsations. Le dispositif correcteur (21,22,23) agit sur la pression régnant dans le puits (8) dans le sens de l'augmentation ou de la diminution de la composante alternative de la pression qui lui est communiquée depuis le débouché (14) suivant que l'adaptation acoustique de l'ensemble carburateur-tubulure tend à produire aux fortes charges du moteur une richesse excessive ou trop faible du mélange.

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F02M 7/24

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- US 2212258 A 19400820 - LUDWIG BECK
- FR 1081900 A 19541223 - SOLEX
- FR 2355170 A1 19780113 - SIBE [FR]
- FR 2299521 A1 19760827 - PEUGEOT & RENAULT [FR]
- FR 2187144 A5 19740111 - PEUGEOT & RENAULT [FR]

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CN111036006A; CN104564427A

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DE GB IT SE

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EP 0019512 A1 19801126; EP 0019512 B1 19820224; AR 221759 A1 19810313; AU 531994 B2 19830915; AU 5828680 A 19801113; BR 8002910 A 19801223; DE 3060209 D1 19820325; ES 490533 A0 19801201; ES 8100701 A1 19801201; FR 2456219 A1 19801205; FR 2456219 B1 19840427; JP S55151144 A 19801125; MX 149645 A 19831207; US 4298548 A 19811103

DOCDB simple family (application)

EP 80400580 A 19800425; AR 28083280 A 19800428; AU 5828680 A 19800509; BR 8002910 A 19800508; DE 3060209 T 19800425; ES 490533 A 19800412; FR 7912124 A 19790511; JP 6121680 A 19800508; MX 18203080 A 19800421; US 14615880 A 19800502