

Title (en)

Device for conditioning of liquid fuel and liquid coolant.

Title (de)

Vorrichtung zum Aufbewahren von flüssigem Brennstoff und flüssigem Kühlmittel.

Title (fr)

Dispositif de conditionnement de carburant liquide et de réfrigérant liquide.

Publication

**EP 0465705 A1 19920115 (EN)**

Application

**EP 90113261 A 19900711**

Priority

EP 90113261 A 19900711

Abstract (en)

The invention relates to a device for conditioning of liquid fuel and liquid coolant, and is applied especially to improve operation of internal-combustion engines, carburettor engines or compression-ignition engines, as well as gas and oil burners. The device comprises a body (1) in which a magnetic pile is situated incorporating permanent magnets (2) and pole shoes (3) or electromagnets. The body has two built-in independent flow circuits of conditioned agents. The liquid coolant circuit comprises a channel (5) between the wall of the body (1) and the magnetic pile (2), and a fuel conduit (8) in the form of a coil pipe with an odd number of coils, situated outside the magnetic pile (2) or inside the pile, incorporating a bed of ferromagnetic filings on which a magnetic field acts and through which fuel or gas being conditioned flows.

IPC 1-7

**F02M 27/04**

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [A] EP 0073077 A2 19830302 - SBH TRADING SA [CH]
- [A] US 3951807 A 19760420 - SANDERSON CHARLES H
- [A] FR 71176 E 19591013

Cited by

DE19949806A1; DE19949806B4; WO0129392A1; WO9706885A1

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