

Title (en)

Heating appliance heated with liquid fuel.

Title (de)

Mit flüssigem Brennstoff betriebenes Heizgerät.

Title (fr)

Appareil de chauffage chauffé par du combustible liquide.

Publication

**EP 0389807 B1 19940413 (DE)**

Application

**EP 90103623 A 19900224**

Priority

DE 3910424 A 19890331

Abstract (en)

[origin: JPH02287006A] PURPOSE: To obtain a heating device for automobile having a vaporization burner with an absorbent body in which service life is prolonged by providing, on the combustion chamber side surface of the absorbent body, with a cover of high temperature and corrosion resistant sheet steel distributed with a plurality of openings, like a sieve, on the entire surface thereof. CONSTITUTION: An absorbent body 3 composed of wool and operated by means of liquid fuel, e.g. gasoline, being fed through a fuel pipe 4 is covered, on the surface 5 facing a combustion chamber 6, with a cover 10 of high temperature and corrosion resistant sheet steel. The cover 10 is distributed with a plurality of openings 11 having diameter of 0.1-2.5 mm, like a sieve, on the entire surface thereof. Interval between the openings 11 is set about two times as large as the diameter and the thickness of the cover 10 is set at 0.25-1.0 mm. According to the structure, iterative arrangement of the absorbent bodies 3 is facilitated, fuel can be pretreated reproducibly by means of a vaporization burner and service life can be prolonged by removing stress from the absorbent body.

IPC 1-7

**F23D 3/40**

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DE SE

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**EP 0389807 A2 19901003**; **EP 0389807 A3 19911106**; **EP 0389807 B1 19940413**; DE 3910424 A1 19901004; DE 59005310 D1 19940519; JP 2754850 B2 19980520; JP H02287006 A 19901127; US 5020991 A 19910604

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