

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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