

Title (en)

HEATING APPLIANCE HEATED WITH LIQUID FUEL

Publication

EP 0389807 A3 19911106 (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

F23D 11/40 (2006.01); **B60H 1/03** (2006.01); **F23D 3/40** (2006.01); **F23D 11/44** (2006.01)

CPC (source: EP US)

F23D 3/40 (2013.01 - EP US)

Citation (search report)

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- [YD] US 4459805 A 19840717 - KAMIYA SIGERU [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 4, no. 116 (M-27)(598) 19 August 1980, & JP-A-55 75109 (MATSUSHITA DENKI SANGYO KK) 6 Juni 1980,
- [A] PATENT ABSTRACTS OF JAPAN vol. 4, no. 116 (M-27)(598) 19 August 1980, & JP-A-55 75108 (MATSUSHITA DENKI SANGYO KK) 6 Juni 1980,

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Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

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

DOCDB simple family (application)

EP 90103623 A 19900224; DE 3910424 A 19890331; DE 59005310 T 19900224; JP 7859290 A 19900327; US 50173190 A 19900330