

Title (en)

Heating appliance with a sound insulated intake system

Title (de)

Heizeinrichtung mit einem schallgedämpften Ansaugsystem

Title (fr)

Appareil de chauffage comprenant un système d'admission insonorisé

Publication

**EP 1635116 A3 20060405 (DE)**

Application

**EP 05107481 A 20050815**

Priority

DE 102004044332 A 20040909

Abstract (en)

[origin: EP1635116A2] The device has a burner (20) arranged in a combustion chamber (19). A suction system (25) supplies a fuel-air-mixture to the burner. Hot gas is produced by burning the mixture using the burner. The gas is led through a heat exchanger (15) and is discharged as an exhaust gas by an exhaust gas system. A part of the suction system has a wall (30) made of a sound-absorbing material e.g. a metal foam or a gas concrete.

IPC 8 full level

**F23M 20/00** (2014.01)

CPC (source: EP)

**F23M 20/005** (2015.01)

Citation (search report)

- [X] DE 10202702 A1 20020919 - IFTA INGENIEURBUERO FUER THERM [DE]
- [X] AT 408028 B 20010827 - VAILLANT GMBH [AT]
- [X] GB 1274414 A 19720517 - PARR ACOUSTICS LTD
- [X] US 5816793 A 19981006 - NAKAMOTO MITSUYOSHI [JP], et al

Cited by

EP4253865A1; DE102007053028A1; US2010297568A1; DE102007053028B4; US8753109B2; EP3524882A1

Designated contracting state (EPC)

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**EP 1635116 A2 20060315; EP 1635116 A3 20060405**; DE 102004044332 A1 20060330

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**EP 05107481 A 20050815**; DE 102004044332 A 20040909