Title (en)

Pot type oil burner

Title (de)

Oeltopfbrenner

Title (fr)

Brûleur à huile du type à pot

Publication

EP 1236956 A1 20020904 (EN)

Application

EP 01105019 A 20010301

Priority

EP 01105019 A 20010301

Abstract (en)

The present invention relates to a structure in which an unburnt gas can be prevented from being diffused into a room while suppressing the generation of the unburnt gas during the extinction operation of a pot type oil burner. During the extinction operation, first of all, the supply of a fuel from fuel feeding means (35) to a pot (15) is stopped and conduction to an electric heater (31) is started. The rotation of each of a combustion fan (23) and a convection fan (11) is carried out continuously. While a second timer (67) counts a second time period, the convection fan (11) is rotated at a high speed. After the second time period is ended, the rotation of the convection fan (11) is switched from high speed rotation into low speed rotation. The low speed rotation is carried out continuously for a third time period counted by a third timer. After the third time period is ended, the rotation of the convection fan (11) is returned from the low speed rotation to the high speed rotation. During the low speed rotation, an unburnt gas discharged from an air outlet (3) of a frame body (1) to the outside is raised to a ceiling portion with a natural convection so that the diffusion of the unburnt gas can be suppressed. <IMAGE>

IPC 1-7

F23D 5/04; F23D 5/18; F23C 7/00; F23N 3/08; F23N 5/20

IPC 8 full level

F23C 7/00 (2006.01); **F23D 5/04** (2006.01); **F23D 5/18** (2006.01); **F23N 3/08** (2006.01); **F23N 5/20** (2006.01)

CPC (source: EP)

F23C 7/008 (2013.01); **F23D 5/045** (2013.01); **F23D 5/18** (2013.01); **F23N 3/082** (2013.01); **F23N 5/203** (2013.01); F23N 2227/06 (2020.01); F23N 2233/08 (2020.01)

Citation (search report)

- [A] EP 0881436 A2 19981202 - TOYOTOMI KOGYO CO LTD [JP]
- [A] US 5195886 A 19930323 - IDA HIROYUKI [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 014, no. 056 (M - 0929) 31 January 1990 (1990-01-31)

Cited by

CN114288578A; JP2016035370A

Designated contracting state (EPC)

BE ES FR IT NL

DOCDB simple family (publication)

EP 1236956 A1 20020904; **EP 1236956 B1 20060301**; ES 2259632 T3 20061016

DOCDB simple family (application)

EP 01105019 A 20010301; ES 01105019 T 20010301