

Title (en)  
Method for controlling a vaporisation boiler

Title (de)  
Verfahren zum Steuern eines Verdampferbrenners

Title (fr)  
Procédé de commande d'un brûleur à évaporation

Publication  
**EP 2037176 A3 20170621 (DE)**

Application  
**EP 08105288 A 20080910**

Priority  
CH 14422007 A 20070912

Abstract (en)  
[origin: EP2037176A2] The method involves providing a vaporization burner with a fuel pump for delivery of fuel e.g. kerosene, and a blower for delivery of combustion air. One-third of flame holders facing a vaporization chamber, is filled with air/fuel mixture. Rotational speed (D) of the blower is controlled according to a function, where a changeable correction factor in the function is updated according to given criteria. Either a temperature of the chamber, a temperature of the air/fuel mixture or a temperature of an inner wall of the holders, and an internal reference valve are used to update the factor.

IPC 8 full level  
**F23N 1/02** (2006.01); **F23N 5/12** (2006.01)

CPC (source: EP)  
**F23N 1/022** (2013.01); **F23N 5/123** (2013.01); **F23N 2223/42** (2020.01); **F23N 2225/16** (2020.01); **F23N 2233/08** (2020.01); **F23N 2235/30** (2020.01)

Citation (search report)

- [A] DE 10109438 A1 20020912 - WEBASTO THERMOSYSTEME GMBH [DE]
- [A] JP 2000018571 A 20000118 - SANYO ELECTRIC CO
- [AD] WO 2004109183 A1 20041216 - TOBY AG [CH], et al
- [A] DE 4323586 A1 19950119 - EBERSPAECHER J [DE]
- [A] EP 0321858 A2 19890628 - SCHRAG HEIZUNGS LUFTUNGS KLIMA [DE]
- [AD] WO 0012935 A1 20000309 - TOBY AG [CH], et al

Cited by  
EP3182007A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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**EP 08105288 A 20080910; CH 14422007 A 20070912**