

Title (en)  
FLAME DETECTOR

Title (de)  
FLAMMENDETEKTOR

Title (fr)  
DÉTECTEUR DE FLAMMES

Publication  
**EP 2682674 B1 20220727 (DE)**

Application  
**EP 13173567 A 20130625**

Priority  
DE 102012105932 A 20120703

Abstract (en)  
[origin: EP2682674A2] The method involves influencing an average heat output of a combustion unit (10) in cyclic intervals such that breaks are switched between heating phases in which the combustion unit is placed at an approximately nominal output upto an operating temperature. A duration of the breaks is fixedly, manually and/or automatically adjusted based on a difference between an actual-room temperature and a reference-room temperature. An optical detector (7) is provided with a control. An alarm is produced by the detector during impending fuel shortage. Independent claims are also included for the following: (1) a manually loaded combustion unit (2) a flame detector.

IPC 8 full level  
**F23B 60/02** (2006.01); **F23N 5/02** (2006.01); **F23N 5/08** (2006.01); **F23N 5/20** (2006.01); **F23N 5/24** (2006.01); **F24B 1/02** (2006.01)

CPC (source: EP)  
**F23B 60/02** (2013.01); **F23N 5/022** (2013.01); **F23N 5/082** (2013.01); **F23N 5/203** (2013.01); **F23N 5/242** (2013.01); **F24B 1/187** (2013.01); **F23N 2223/38** (2020.01); **F23N 2223/50** (2020.01); **F23N 2225/12** (2020.01); **F23N 2229/00** (2020.01); **F23N 2231/10** (2020.01); **F23N 2231/20** (2020.01); **F23N 2231/30** (2020.01); **F23N 2237/06** (2020.01); **F23N 2237/10** (2020.01); **F23N 2241/02** (2020.01)

Cited by  
US2017184315A1; US10697651B2; US10690057B2; EP2979032B1

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

DOCDB simple family (publication)  
**EP 2682674 A2 20140108**; **EP 2682674 A3 20150923**; **EP 2682674 B1 20220727**; DE 102012105932 A1 20140109

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