

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
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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

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