

Title (en)
Method and device for flame monitoring

Title (de)
Verfahren und Vorrichtung zur Flammenüberwachung

Title (fr)
Procédé et dispositif de contrôle de flammes

Publication
EP 1719947 A1 20061108 (DE)

Application
EP 05009937 A 20050506

Priority
EP 05009937 A 20050506

Abstract (en)
The method involves having a capacitor (18) with a reference charge (13) loaded during a load phase (31) and the capacitor having an interconnection connected with a flame sensor (1) during a discharge phase (32). The length of time of the discharge phase of the capacitor is selected as a function of the characteristic of the used flame sensor and that for flame monitoring loading and or unloading the capacitor is cyclically repeated. A charging signal (30, 40) at the capacitor is evaluated with the aid of a threshold value (34) single-channel. An independent claim is included for a device for flame monitoring.

IPC 8 full level
F23N 5/12 (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP US)
F23N 5/123 (2013.01 - EP US); **F23N 5/242** (2013.01 - EP US); **F23N 2227/16** (2020.01 - EP US); **F23N 2229/12** (2020.01 - EP US); **F23N 2231/06** (2020.01 - EP US)

Citation (applicant)

- EP 0617234 A1 19940928 - DUNGS KARL GMBH & CO [DE]
- EP 1256763 A2 20021113 - DUNGS KARL GMBH & CO [DE]
- JP S62255729 B

Citation (search report)

- [A] EP 0953805 A1 19991103 - ELECTROWATT TECH INNOVAT CORP [CH]
- [A] EP 0908679 A1 19990414 - ELECTROWATT TECH INNOVAT CORP [CH]
- [A] DE 10247168 A1 20040422 - DUNGS KARL GMBH & CO KG [DE]
- [DA] EP 0617234 A1 19940928 - DUNGS KARL GMBH & CO [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 134 (M - 689) 23 April 1988 (1988-04-23)

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