

Title (en)  
Flame monitoring system

Title (de)  
Flammenüberwachungssystem

Title (fr)  
Système de surveillance de flammes

Publication  
**EP 1741979 A1 20070110 (EN)**

Application  
**EP 05106090 A 20050705**

Priority  
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Abstract (en)  
The invention relates to a flame monitoring system (20) for a combustion space (2) having a first ionisation sensor electrode (8) in said combustion space and a second electrode (3). The system comprises an AM signal generator (21) arranged to communicate an AM signal, comprising an amplitude modulation frequency ( f m ), to said first electrode to generate a detection signal. The system further has means (27,28,29,30,31,32) for monitoring a component of said detection signal, corresponding to said modulation frequency and indicative of a presence of a flame in said combustion space. Accordingly, a flame monitoring system is provided which is more robust against dirt and moisture within the combustion space (2).

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

CPC (source: EP)  
**F23N 5/123** (2013.01); **F23N 2229/06** (2020.01); **F23N 2229/14** (2020.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
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