

Title (en)  
Flame monitoring device with flame rod

Title (de)  
Flammenwächter mit Flammenstab

Title (fr)  
Dispositif de surveillance de flamme avec électrode d'ionisation

Publication  
**EP 0867661 A3 20000524 (DE)**

Application  
**EP 98105254 A 19980324**

Priority  
DE 19712938 A 19970327

Abstract (en)  
[origin: DE19712938C1] The circuit has a frequency multiplier circuit (D1-D4) supplied from two phase lines (PH1,PH2) of the AC network supply and supplying the flame rod (FR) of the flame monitor (FA) via a capacitor (C). One of the phase lines (PH2) acts as a reference potential line for the flame monitor, the frequency multiplier circuit provided by a diode bridge circuit and a threshold stage reducing the output voltage to zero when it is below a given threshold value.

IPC 1-7  
**F23N 5/12**

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

CPC (source: EP)  
**F23N 5/123** (2013.01)

Citation (search report)  
• [A] EP 0498619 A2 19920812 - BLACK AUTOMATIC CONTROLS LTD [GB]  
• [A] DE 2536092 A1 19770224 - BOSCH GMBH ROBERT  
• [A] GB 2153126 A 19850814 - LANDIS & GYR AG

Cited by  
DE10202910C1; EP1331446A3; DE102022203963B3

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19712938 C1 19980514**; DE 59805467 D1 20021017; EP 0867661 A2 19980930; EP 0867661 A3 20000524; EP 0867661 B1 20020911;  
ES 2179394 T3 20030116

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