

Title (en)

Gas burner with a safety valve power supply circuit for the ignition of said burner

Title (de)

Gasbrenner mit Stromversorgungsschaltung eines Sicherheitsventils für den Zündvorgang des Gasbrenners

Title (fr)

Brûleur à gaz comprenant un circuit d'alimentation d'une soupape de sécurité pour l'allumage d'un tel brûleur

Publication

**EP 1739351 B1 20080813 (EN)**

Application

**EP 05014136 A 20050630**

Priority

EP 05014136 A 20050630

Abstract (en)

[origin: EP1739351A1] Safety valve power supply circuit for the ignition of a gas burner, said safety valve (2) being powered by a flame detecting thermocouple (3). The power supply circuit (1) comprises conditioning means (4) for converting an input signal (E) into an output signal (S) able to maintain the safety valve (2) open, and said input signal (E) is generated by the energy accumulated in a capacitor (5), said capacitor (5) being charged when the gas burner is activated.

IPC 8 full level

**F23N 5/10** (2006.01); **F23Q 3/00** (2006.01); **F24C 3/10** (2006.01)

CPC (source: EP)

**F23N 5/102** (2013.01); **F23Q 3/004** (2013.01); **F24C 3/103** (2013.01); **F23N 2223/26** (2020.01)

Citation (examination)

DE 3724084 A1 19880128 - VAILLANT JOH GMBH & CO [DE]

Cited by

CN102538030A; US9562686B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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