

Title (en)
Gas burners.

Title (de)
Gasbrenner.

Title (fr)
Brûleur à gaz.

Publication
EP 0485088 A1 19920513 (EN)

Application
EP 91309785 A 19911023

Priority
GB 9023452 A 19901029

Abstract (en)
A gas burner arrangement comprises a gas burner in which spark-gaps 20 are defined between a plurality of flame electrodes 15 supported by a cover plate 7 and opposing electrode 5, a spark generator 31 and a flame failure sensor 32. The sensor 32 senses the absence of flame only when there is an absence of flame extending from each flame electrode 15 to the opposing electrode 5 at the same time and, in response to such absence of flame, initiates energisation of the spark generator to effect sparking and reignition of the burner. The arrangement reduces the likelihood of so-called "nuisance" sparking which has been found to occur where a single sparking electrode is employed and the flame, without being extinguished, moves away from the sparking electrode. <IMAGE>

IPC 1-7
F23Q 3/00; **F24C 3/10**

IPC 8 full level
F23Q 3/00 (2006.01); **F24C 3/10** (2006.01)

CPC (source: EP)
F23D 14/06 (2013.01); **F23N 5/242** (2013.01); **F23Q 3/006** (2013.01); **F24C 3/103** (2013.01)

Citation (search report)
• [A] DE 1962708 A1 19700709 - MOTOBECANE ATELIERS
• [A] DE 1529135 A1 19700129 - FRANK EDGAR
• [A] US 2152790 A 19390404 - CLARK JAMES K

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US7850447B1; EP0532251A3; EP0579157A1; ES2188332A1

Designated contracting state (EPC)
BE DE ES FR GB IT NL

DOCDB simple family (publication)
GB 2276233 A 19940921; **GB 2276233 B 19950118**; **GB 9410352 D0 19940713**; DE 69105257 D1 19950105; DE 69105257 T2 19950330; EP 0485088 A1 19920513; EP 0485088 B1 19941123; ES 2064922 T3 19950201; GB 2249381 A 19920506; GB 2249381 B 19950111; GB 9023452 D0 19901212

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