

Title (en)  
GAS FIRE

Publication  
**EP 0480595 A3 19921119 (EN)**

Application  
**EP 91308662 A 19910924**

Priority  
GB 9021987 A 19901010

Abstract (en)  
[origin: EP0480595A2] In a gas fire, the radiant heat output from imitation coal pieces 2 caused to radiate by flames from a burner 1 is supplemented by convective air drawn into the base of the fire and passing through duct 6 before emerging through outlets 7, the duct being transversed by flue tubes 8, 9, 10, 11 to which combustion gases from the burner pass in the direction of the arrows B. A problem with such a fire is if the flue outlet 12 become blocked because the flow of gases reverses direction relative to the arrows B and the burner then combusts within unsafe limits if the doors 4, 5 are closed. To overcome this some of the flue tubes 8, 10 are provided with openings 10a, partially shielded by shield 22, to allow escape of recirculating combustion products into the convection duct, thereby allowing the burner to continue operation in safe limits in the event of flue blockage. <IMAGE>

IPC 1-7  
**F24C 3/10**

IPC 8 full level  
**F24B 1/18** (2006.01); **F24C 3/00** (2006.01); **F24C 3/10** (2006.01)

CPC (source: EP)  
**F24B 1/1808** (2013.01); **F24C 3/006** (2013.01)

Citation (search report)  
• [A] US 2789554 A 19570423 - DUPLER RAYMOND R  
• [A] GB 2177490 A 19870121 - TAYLOR ECONOMIC LIMITED  
• [A] GB 1488479 A 19771012 - UNITED GAS INDUSTRIES LTD

Cited by  
GB2507594A; GB2507594B

Designated contracting state (EPC)  
AT BE CH DE ES FR IT LI LU NL SE

DOCDB simple family (publication)  
**EP 0480595 A2 19920415; EP 0480595 A3 19921119; EP 0480595 B1 19940511**; AT E105625 T1 19940515; AU 8564991 A 19920430; CA 2052312 A1 19920411; DE 69101961 D1 19940616; DE 69101961 T2 19940818; ES 2052336 T3 19940701; GB 2248680 A 19920415; GB 2248680 B 19940420; GB 9021987 D0 19901121

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