

Title (en)  
GAS FIRED BURNER APPARATUS

Title (de)  
GASBETRIEBENDE BRENNVORRICHTUNG

Title (fr)  
APPAREIL COMPRENANT UN BRULEUR AU GAZ

Publication  
**EP 1159564 A4 20020904 (EN)**

Application  
**EP 00906065 A 20000224**

Priority  
• AU 0000128 W 20000224  
• AU PP895999 A 19990301

Abstract (en)  
[origin: WO0052387A1] A gas fired burner apparatus including a housing (2) containing a burner (3) for combustion of a fuel/air mixture for heat transfer therefrom, the housing including an interior air supply region for receiving ambient air for delivery as primary air in a combustible fuel/air mixture to said burner, said air supply region being located within said housing in heat transfer proximity with said burner, and primary air temperature control means to positively control the temperature range of the primary air delivery to said fuel/air mixing means so as to reduce pre-heating effects on the primary air due to operation of the burner apparatus when compared with an identical apparatus not having said temperature control means.

IPC 1-7  
**F24H 3/04**; **F24H 1/20**; **F23D 14/66**

IPC 8 full level  
**F23D 14/46** (2006.01); **F24H 1/20** (2006.01); **F24H 3/04** (2006.01); **F23N 5/00** (2006.01); **F23N 5/10** (2006.01)

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Citation (search report)  
• [A] US 5433188 A 19950718 - NARANG RAJENDRA K [US]  
• [A] US 4269590 A 19810526 - BAUMANN HERBERT  
• [A] US 4945890 A 19900807 - RIPKA CHESTER D [US]  
• [A] US 4940042 A 19900710 - MOORE JR HENRY J [US], et al  
• [A] US 5317992 A 19940607 - JOYCE JOHN VINCENT [AU]  
• See references of WO 0052387A1

Designated contracting state (EPC)  
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