

Title (en)  
RADIATION BURNER

Publication  
**EP 0162445 B1 19900418 (DE)**

Application  
**EP 85106210 A 19850521**

Priority  
DE 3418977 A 19840522

Abstract (en)  
[origin: EP0162445A2] 1. Radiant burner, in which a burner for pressurized fuel together with a one-piece mixing chamber (2) of rectangular layout is attached to a plane and in mounted position horizontally arranged top of a reflector (6), said reflector (6) diverging from the top downwards, whereas a connecting pipe (7) designed for the self-suction of the combustion air passes through one of the narrow faces of the reflector (6), characterized in that the burner (1) with the upstream mixing chamber (2) is attached by means of webs (8) in such a way to the top of the reflector (6) that it lies within a reflector chamber (3) designed for the admission of the combustion gases, and that the area (9) which forms the top of the reflector (6) is larger than a plate of the burner (1) which limits the mixing chamber (2) downwards, in order to enable a flow around the mixing chamber.

IPC 1-7  
**F24C 1/10**; **F24C 3/04**

IPC 8 full level  
**F24C 1/10** (2006.01); **F24C 3/04** (2006.01)

CPC (source: EP)  
**F24C 1/10** (2013.01); **F24C 3/042** (2013.01)

Cited by  
DE10246431A1; EP0399245A3; DE10246431B4; US7116900B2; WO2004090424A3; US6932079B2; EP2253891A2; DE102009021158A1

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