

Title (en)  
INFRARED RADIANT HEATER FOR LARGE SPACES

Publication  
**EP 0249087 B1 19900718 (DE)**

Application  
**EP 87107646 A 19870526**

Priority  
DE 8615565 U 19860610

Abstract (en)  
[origin: EP0249087A1] 1. Thermal radiator for the heating of large areas or rooms with at least one radiation tube (10), on the one end of which a burner facility (20) is disposed and at the other end of which there is disposed an exhaust gas pipe (30) that can be connected to a chimney breeching, in which the radiation tube (10), within the area of the burner facility (20), is provided with a refractory insulation (50:150) for shielding against a direct flame action and against overheating and possesses a large diameter (D) suitable for the emission of long-wave thermal radiation, characterized in that a) the burner facility (20) is constructed in the form of a pressure oil nozzle burner (21) with a blower (22), b) the radiation tube (10) over its entire length (L) is provided with an insulating layer (60) which, with increasing distance from the burner facility, possesses a decreasing thickness and/or effectiveness and c) the radiation tube (10), over its entire length (L), is constructed so as to be gas-proof and in that the burner facility (20) is constructed so as to be operable within the excessive pressure ranges, while inside the radiation tube (10) and/or within the area of the exhaust gas pipe (30), a drag (170) is mounted.

IPC 1-7  
**F24D 5/08**

IPC 8 full level  
**F24D 5/08** (2006.01)

CPC (source: EP)  
**F24D 5/08** (2013.01)

Cited by  
US5626125A; US8656904B2

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

DOCDB simple family (publication)  
**EP 0249087 A1 19871216; EP 0249087 B1 19900718**; AT E54742 T1 19900815; DE 3763756 D1 19900823; DE 8615565 U1 19860731

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