

Title (en)

An infrared radiant heater.

Title (de)

Infrarotstrahlungsheizvorrichtung.

Title (fr)

Dispositif de chauffage par rayonnement infra-rouge.

Publication

EP 0087217 A1 19830831 (EN)

Application

EP 83300322 A 19830121

Priority

JP 832982 A 19820121

Abstract (en)

Described is an infrared radiant heater comprising a heat generator (1) with an infrared radiative layer (11) standing for the nearly vertical direction and an infrared transparent and low thermal conductive body (2) arranged near or on the infrared radiative layer (11). The infrared transparent and low thermal conductive body (2) typically comprises thin protruded plates (7) arranged near or on the infrared radiative layer (11) and spaces (8) limited by the thin protruded plates (7) and the infrared radiative layer (11). Thermal energy dissipated by convection can be decreased and, as a result, emission of radiant energy with a high radiation efficiency can be obtained.

IPC 1-7

H05B 3/20; **H05B 3/10**

IPC 8 full level

F24D 13/02 (2006.01); **F24C 7/04** (2006.01); **F24D 15/00** (2006.01); **H05B 3/10** (2006.01); **H05B 3/22** (2006.01); **H05B 3/50** (2006.01)

CPC (source: EP)

F24C 7/043 (2013.01); **H05B 3/10** (2013.01); **H05B 3/22** (2013.01); **H05B 3/50** (2013.01); **H05B 2203/032** (2013.01)

Citation (search report)

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