

Title (en)

Radiant tube heater assembly

Title (de)

Strahlungsrohr-Wärmeanordnung

Title (fr)

Ensemble de chauffage à tubes radiants

Publication

EP 2119962 B1 20131211 (EN)

Application

EP 08251679 A 20080513

Priority

EP 08251679 A 20080513

Abstract (en)

[origin: EP2119962A1] A radiant tube heater includes a housing (1), and a blower (6) and a burner (9) in the housing (1) for creating and combusting a fuel/air mixture. A burner tube (2) extends outwardly from the housing (1) for carrying products of combustion therefrom. When less heat is required, unless air from the blower (6) is reduced, there is too much air for complete combustion of the fuel and excess air mixes with combustion gases causing cooling in the burner tube (2). This problem is solved by providing a short flame tube (15) in the inlet end of the burner tube (2) for receiving the flame (12). Excess air flow around the flame tube (15) is heated. Thus, it is necessary to reduce only the supply of fuel to the burner (9).

IPC 8 full level

F23C 3/00 (2006.01); **F23D 14/12** (2006.01)

CPC (source: EP US)

F23C 3/002 (2013.01 - EP); **F23D 14/126** (2021.05 - EP US); **F23D 2203/002** (2013.01 - EP); **F23D 2900/11403** (2013.01 - EP)

Cited by

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