

Title (en)

GAS HEATED TUNNEL BURNER FOR RAISING THE TEMPERATURE IN MELTING FURNACES OR CRUCIBLES

Publication

EP 0014221 B1 19830413 (DE)

Application

EP 79100324 A 19790203

Priority

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Abstract (en)

[origin: EP0014221A1] 1. Gas heated burner for warming-up melting ovens or melting crucibles, comprising : a jacket-shaped burner housing, which forms an outlet opening. a gas supply tube arranged coaxial to the burner housing and having its outlet restricted by restrictor means, which tube, at its end, carries a radially extending, annular projection and has lateral gas outlet openings upstream of this projection, and a port at the end of the burner housing remote from the outlet opening for connection to air supply means, which port substantially unrestrictedly communicates with the annulus between gas supply tube and burner housing, characterized in that the annular projection is a flat-cylindrical housing (26) located at the end of the gas supply tube (14) arranged coaxial thereto and projecting radially from the gas supply tube (14) which housing (a) is penetrated by an annular array of tubular passages extending from the bottom face (28), laterally of the gas supply tube (14), to the top face (30), (b) has annular arrays (38, 40, 42) of narrow gas outlet openings in the top face (30) around each of these passages (32, 34, 36) and (c) furthermore has a central gas outlet opening (44) in the top face (30) aligned with the gas supply tube (14).

IPC 1-7

F23D 15/00

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CPC (source: EP)

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Cited by

EP0774621A3; EP0738854A3; EP0231137A1; FR2592941A1; US6918256B2; WO8704189A1; WO2023093554A1

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