

Title (en)
Burners for soaking pit furnaces.

Title (de)
Brenner für Tieföfen.

Title (fr)
Brûleurs pour fours pit.

Publication
EP 0002036 A1 19790530 (EN)

Application
EP 78101340 A 19781109

Priority
US 85023577 A 19771110

Abstract (en)
A burner (10) for soaking pit furnaces produces essentially complete combustion of the gas and air mixed in the burner. The burner includes a tubular inner wall structure (16) and an outer housing (22) spaced from the inner wall to form a hollow interior (26) between the inner wall and the housing. The inner wall terminates adjacent a surrounding portion (31) of the housing to form a narrow opening (30) from the hollow interior which extends around the periphery of the inner wall structure. A gas supply pipe (32) located in the hollow interior surrounds the inner wall structure (16) and directs the flow of gas under pressure toward the narrow peripheral opening (30). The inner wall (16) forms an air supply pipe and air is forced under pressure through the air supply pipe and past the narrow opening.

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IPC 8 full level
C21D 9/70 (2006.01); **F23D 14/02** (2006.01); **F23D 14/20** (2006.01)

CPC (source: EP)
C21D 9/70 (2013.01); **F23D 14/02** (2013.01); **F23D 14/20** (2013.01)

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EP 0002036 A1 19790530; CA 1123332 A 19820511; DE 2857404 A1 19800221; FR 2436335 A1 19800411; GB 2041512 A 19800910; GB 2041512 B 19821201; IT 1108196 B 19851202; IT 7869572 A0 19781109; JP S5475633 A 19790616

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EP 78101340 A 19781109; CA 315101 A 19781031; DE 2857404 A 19781109; FR 7925034 A 19791005; GB 7936543 A 19781109; IT 6957278 A 19781109; JP 13662378 A 19781106