

Title (en)
Pulverized fuel burner

Title (de)
Brenner mit pulverisiertem Brennstoff

Title (fr)
Brûleur à combustible pulvérisé

Publication
EP 2592341 B1 20161019 (EN)

Application
EP 11188350 A 20111109

Priority
EP 11188350 A 20111109

Abstract (en)
[origin: EP2592341A1] A pulverized fuel burner comprises a fuel feed pipe (4, 4a) for injecting a mixture of pulverized fuel and combustion air into a furnace (3) through a burner throat (2), a core air duct (5) concentrically arranged within the fuel feed pipe (4, 4a) and a secondary air passage (13, 14) arranged externally of and coaxially with the fuel feed pipe (4, 4a). A flame stabilizing ring (20) is disposed on the outlet of the fuel feed pipe (4, 4a), said flame stabilizing ring (20) comprising a flared section (21) protruding toward the secondary air passage (13) and a number of teeth (22) protruding toward the inside of the fuel feed pipe (4, 4a). The flared section (21) of has a smoothly curved cross section with a thickness that reduces smoothly toward the rim of the flared section (21).

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F23D 1/00 (2006.01); **F23D 1/02** (2006.01)

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