

Title (en)

Burner for burning pulverulent fuel

Title (de)

Brenner zum Verbrennen von staubförmigem Brennstoff

Title (fr)

Brûleur pour la combustion d'un combustible pulvérulent

Publication

EP 0636836 B1 19980729 (DE)

Application

EP 94100539 A 19940115

Priority

DE 4325643 A 19930730

Abstract (en)

[origin: EP0636836A2] A burner for burning pulverulent fuel with combustion air divided into concentric partial flows has a primary-air tube (6) which carries primary air or primary gas and fuel and is surrounded by a secondary-air tube (12) carrying secondary air. The primary-air tube (6) is surrounded by a flow-directing device (26) at the discharge end inside the secondary-air tube (12) while forming an annular gap (25). Secondary air flows through the flow-directing device (26), which is open on both sides and projects beyond the primary-air tube (6) in the axial direction by an amount which corresponds to a value of up to 25% of the outside diameter of the primary-air tube (6). The width of the annular gap (25) is at least equal to 1.5% of the outside diameter of the primary-air tube (6). <IMAGE>

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F23D 1/02

IPC 8 full level

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CPC (source: EP US)

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