

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>

IPC 1-7  
**F23D 1/02**

IPC 8 full level  
**F23D 1/02** (2006.01)

CPC (source: EP US)  
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Cited by  
EP0756134A1; WO9747923A1; EP1015814B1

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**EP 0636836 A2 19950201; EP 0636836 A3 19950809; EP 0636836 B1 19980729**; AT E169101 T1 19980815; CN 1074825 C 20011114; CN 1098180 A 19950201; DE 4325643 A1 19950202; DE 59406540 D1 19980903; DK 0636836 T3 19990426; ES 2119910 T3 19981016; FI 104125 B1 19991115; FI 104125 B 19991115; FI 941806 A0 19940419; FI 941806 A 19950131; US 5651320 A 19970729; ZA 941358 B 19940922

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