

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).

IPC 8 full level  
**F23D 1/00** (2006.01); **F23D 1/02** (2006.01)

CPC (source: EP)  
**F23D 1/00** (2013.01); **F23D 1/02** (2013.01)

Cited by  
RU2642997C2

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 2592341 A1 20130515; EP 2592341 B1 20161019**; PL 2592341 T3 20170929

DOCDB simple family (application)  
**EP 11188350 A 20111109**; PL 11188350 T 20111109