

## Title (en)

Coal dust burner for igniting fuel fed into thick flow supplies

## Title (de)

Kohlenstaubbrenner zur Verfeuerung von in Dichtstromförderung zugeführtem Brennstoff

## Title (fr)

Brûleur à charbon carbonisé destiné à l'allumage de combustible transporté dans un transport en phase dense

## Publication

**EP 2009351 A3 20091104 (DE)**

## Application

**EP 08158605 A 20080619**

## Priority

DE 102007030269 A 20070628

## Abstract (en)

[origin: EP2009351A2] A burner (1) comprises a fuel conveying tube (7) and a primary air tube (9) concentrically arranged within the fuel conveying tube. The burner is connectable to a feed line which conveys a pulverized fuel in a dense phase. An inside space of the primary air tube is connectable to a primary air feed line (18). A fuel conveying space (13) which is formed between the primary air tube and fuel conveying tube is connectable to the feed line which feeds the pulverized fuel in dense phase to the burner. A burner comprises a fuel conveying tube, and a primary air tube concentrically arranged within the fuel conveying tube. A mouth of discharge side of the primary air tube terminates at a distance to a mouth of a discharge side of the fuel tube. The burner is connectable to a feed line which conveys a pulverized fuel in a dense phase. An inside space of the primary air tube is connectable to a primary air feed line. A fuel conveying space which is formed between the primary air tube and fuel conveying tube is connectable to the feed line which feeds the pulverized fuel in dense phase to the burner. An independent claim is included for method for combusting particulate fuel in the burner.

## IPC 8 full level

**F23D 1/00** (2006.01); **F23C 6/04** (2006.01); **F23C 7/00** (2006.01)

## CPC (source: EP US)

**F23C 6/045** (2013.01 - EP US); **F23C 7/006** (2013.01 - EP US); **F23D 1/00** (2013.01 - EP US)

## Citation (search report)

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- [PX] DE 102006011326 A1 20070913 - ALSTOM TECHNOLOGY LTD [CH]
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## Designated contracting state (EPC)

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## Designated extension state (EPC)

AL BA MK RS

## DOCDB simple family (publication)

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## DOCDB simple family (application)

**EP 08158605 A 20080619;** AT 08158605 T 20080619; AU 2008202470 A 20080604; CA 2632412 A 20080523; CN 200810099786 A 20080611; DE 102007030269 A 20070628; JP 2008132098 A 20080520; PL 08158605 T 20080619; RU 2008123264 A 20080616; SI 200830490 T 20080619; US 14423608 A 20080623; ZA 200805541 A 20080625