

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 B1 20110921 (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

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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)

Cited by

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