Title (en)

A BURNER IGNITED BY PLASMA

Title (de)

MITTELS PLASMA GEZÜNDETER BRENNER

Title (fr)

BRÛLEUR ALLUMÉ PAR PLASMA

Publication

EP 2172706 A4 20120509 (EN)

Application

EP 08714974 A 20080317

Priority

- CN 2008000521 W 20080317
- CN 200710137008 A 20070719
- CN 200720146244 U 20070719

Abstract (en)

[origin: US2009038518A1] A plasma ignition burner. The plasma ignition burner has at least two stages of burner barrels and a plasma generator for igniting the pulverized coal in a first stage burner barrel of the at least two stages of burner barrels. The burning flame of the former stage burner barrel ignites the pulverized coal in the next stage burner barrel, or further burns with the supplemented air in the next stage burner barrel. The axial direction of said plasma generator is parallel to the direction along which the pulverized-coal-contained air flow enters into the first stage burner barrel and at the same time, parallel to the axis of the burner barrels.

IPC 8 full level

F23Q 7/02 (2006.01); **F23D 1/00** (2006.01)

CPC (source: EP KR US)

F23D 1/00 (2013.01 - EP US); **F23Q 13/00** (2013.01 - KR); **H05H 1/26** (2013.01 - KR); F23D 2201/10 (2013.01 - EP US); F23D 2201/20 (2013.01 - EP US); F23D 2207/00 (2013.01 - EP US)

Citation (search report)

- [XAY] US 5156100 A 19921020 - PENTTI SALMELIN [FI]
- [Y] CN 2646575 Y 20041006 - HOU GUILIN [CN]
- [A] EP 1371905 A1 20031217 - YANTAI LONGYUAN POWER TECHNOLO [CN]
- See references of WO 2009009948A1

Citation (examination)

WO 2005103568 A1 20051103 - NEKLESA ANATOLY TIMOFEEVICH [UA]

Cited by

CN102454985A; CN114440257A; US10473327B2; DE102015104401A1; DE102015104406A1; US10711994B2; EP3130851A1; US10955131B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

US 17596308 A 20080718; AU 2008278159 A 20080317; CN 2008000521 W 20080317; EP 08714974 A 20080317; JP 2010516350 A 20080317; KR 20080070411 A 20080721; RU 2008129851 A 20080718