

Title (en)

Ignition and stabilisation burner for particulate fuels

Title (de)

Zündungs- und Stabilisierungsbrenner für Partikelbrennstoffe

Title (fr)

Brûleur d'allumage et de stabilisation pour des combustibles sous forme de particules

Publication

**EP 2728254 A1 20140507 (EN)**

Application

**EP 12191020 A 20121102**

Priority

EP 12191020 A 20121102

Abstract (en)

The invention relates to particulate burner for ignition and/or stabilisation of a solid fuel-fired boiler, preferably a pulverised coal and/or lignite-fired boiler of a power station, comprising a gliding discharge device, whereby the gliding discharge device comprises preferably at least two diverging electrodes (7). A method for ignition and/or stabilisation of a solid fuel-fired boiler and corresponding use of the gliding discharge particulate burner is also encompassed by the present invention.

IPC 8 full level

**F23D 1/00** (2006.01); **H05H 1/48** (2006.01)

CPC (source: EP US)

**F23D 1/00** (2013.01 - EP); **H05H 1/482** (2021.05 - EP US); **F23C 2900/99005** (2013.01 - EP); **F23D 2207/00** (2013.01 - EP); **F23D 2900/00014** (2013.01 - EP); **F23D 2900/00015** (2013.01 - EP); **F23G 7/10** (2013.01 - EP)

Citation (applicant)

- DD 291611 A5 19910704 - IMATRAN VOIMA OY [FI]
- DE 3441358 C2 19870115
- WO 2011070819 A1 20110616 - SHINKAWA KK [JP], et al
- PL 196651 B1 20080131 - POLITECHNIKA WROCLAWSKA [PL]
- PL 207901 B1 20110228 - POLITECHNIKA WROCLAWSKA [PL], et al
- WO 2010062101 A2 20100603 - TRIPLECORESKOREA [KR], et al
- FR 2842389 A1 20040116 - PHYSIQUES ECP ET CHIMIQUES [FR]
- "Best Western Falls Church Inn", 16 September 2007, article "4th International Workshop and Exhibition on Plasma Assisted Combustion (IWEPAC)"
- E. I. KARPENKO; YU. E. KARPENKO; V. E. MESSERLE; A. B. USTIMENKO, PLENARY REPORTS FROM THE 5TH INTERNATIONAL SYMPOSIUM ON THEORETICAL AND APPLIED PLASMA CHEMISTRY, 3 September 2008 (2008-09-03)

Citation (search report)

- [XYI] US 2009056222 A1 20090305 - GUTSOL ALEXANDER F [US], et al
- [Y] EP 1371905 A1 20031217 - YANTAI LONGYUAN POWER TECHNOLO [CN]
- [X] FR 2639172 A1 19900518 - ELECTRICITE DE FRANCE [FR]
- [XI] WO 2008103433 A1 20080828 - CERAMATEC INC [US], et al
- [AD] FR 2842389 A1 20040116 - PHYSIQUES ECP ET CHIMIQUES [FR]
- [A] WO 9830524 A1 19980716 - CARBON RESOURCES LTD [US]

Cited by

CN106132057A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2728254 A1 20140507**

DOCDB simple family (application)

**EP 12191020 A 20121102**