

Title (en)
COMBINED PULVERIZED COAL BURNER COMPRISING AN INTEGRATED PILOT BURNER

Title (de)
KOHLENSTAUBKOMBINATIONSBRENNER MIT INTEGRIERTEM PILOTBRENNER

Title (fr)
BRÛLEUR COMBINÉ DE POUDRE DE CHARBON À BRÛLEUR PILOTE INTÉGRÉ

Publication
EP 2181287 B1 20160504 (DE)

Application
EP 08803189 A 20080825

Priority
• EP 2008061071 W 20080825
• DE 102007040890 A 20070829

Abstract (en)
[origin: US2009061372A1] The invention comprises a combination burner for the gasification of pulverized fuels with an oxidation means containing free oxygen at ambient or higher pressures, as well as temperatures between 800-1800 ° C., with the ignition device of the pilot burner with flame monitoring and the pulverized fuel burner being integrated as a combination burner and all operating channels being routed separately from each other up to the mouth of the burner and the media carried by the channels only being mixed at the mouth of the burner. When the pilot burner is dismantled the eddy bodies 14 attached to its sleeve in the main burner oxidation means supply 17 can be exchanged quickly and easily and thus the main burner flame adapted in the optimum way to the reaction chamber contour of the reactor.

IPC 8 full level
F23D 17/00 (2006.01); **F23D 1/00** (2006.01); **F23D 14/22** (2006.01); **F23D 14/78** (2006.01)

CPC (source: EP US)
F23D 1/00 (2013.01 - EP US); **F23D 14/22** (2013.01 - EP US); **F23D 14/78** (2013.01 - EP US); **F23D 17/005** (2013.01 - EP US);
F23D 2201/10 (2013.01 - EP US); **F23D 2201/30** (2013.01 - EP US); **F23D 2207/00** (2013.01 - EP US); **F23D 2900/00018** (2013.01 - EP US)

Citation (examination)
• DE 4025852 A1 19910704 - DEUTSCHES BRENNSTOFFINST [DE]
• DE 4025808 A1 19910131 - DEUTSCHES BRENNSTOFFINST [DE]

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

DOCDB simple family (publication)
DE 102007040890 A1 20090305; CN 101403496 A 20090408; CN 101403496 B 20130206; DE 202007018718 U1 20090514;
EP 2181287 A2 20100505; EP 2181287 B1 20160504; PL 2181287 T3 20170428; US 2009061372 A1 20090305; US 8070484 B2 20111206;
WO 2009027361 A2 20090305; WO 2009027361 A3 20100408

DOCDB simple family (application)
DE 102007040890 A 20070829; CN 200810130970 A 20080829; DE 202007018718 U 20070829; EP 08803189 A 20080825;
EP 2008061071 W 20080825; PL 08803189 T 20080825; US 22932508 A 20080821