

Title (en)
Turbine burner

Title (de)
TURBINENBRENNER

Title (fr)
Brûleur de turbines

Publication
EP 2583033 A1 20130424 (DE)

Application
EP 11711862 A 20110329

Priority
• EP 10166431 A 20100618
• EP 2011054777 W 20110329
• EP 11711862 A 20110329

Abstract (en)
[origin: EP2397764A1] The burner has a primary supply unit including a primary mixing pipe (11) and a fuel nozzle (1) with a fuel nozzle outlet (4) for supplying primary fuel i.e. oil. The nozzle includes an annular wall (9), which is radially spaced at a distance from a secondary supply unit in an axial direction so that a gap level (h) is formed through the wall and the secondary supply unit. The wall includes an inner wall (50) directed towards the secondary supply unit. An annular channel (40) is formed between the secondary supply unit and the annular wall. Shovels (12) are arranged in the channel.

IPC 8 full level
F23R 3/34 (2006.01); **F23R 3/36** (2006.01)

CPC (source: EP US)
F23R 3/343 (2013.01 - EP US); **F23R 3/36** (2013.01 - EP US); **F23D 2900/00008** (2013.01 - EP US); **F23D 2900/00014** (2013.01 - EP US); **F23D 2900/14021** (2013.01 - EP US); **F23R 2900/00002** (2013.01 - EP US); **F23R 2900/00004** (2013.01 - EP)

Citation (search report)
See references of WO 2011157458A1

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

DOCDB simple family (publication)
EP 2397764 A1 20111221; CN 102947650 A 20130227; CN 102947650 B 20141217; EP 2583033 A1 20130424; EP 2583033 B1 20140625; US 2013074506 A1 20130328; US 8869535 B2 20141028; WO 2011157458 A1 20111222

DOCDB simple family (application)
EP 10166431 A 20100618; CN 201180030001 A 20110329; EP 11711862 A 20110329; EP 2011054777 W 20110329; US 201113699801 A 20110329