

Title (en)

Mixing system for modulating burner and swirl body for mixing system

Title (de)

Mischsystem für modulierenden Brenner und Drallkörper für Mischsystem

Title (fr)

Système de mélange pour brûleur modulant et hélice pour système de mélange

Publication

EP 2520859 A3 20150715 (DE)

Application

EP 12166014 A 20120427

Priority

DE 102011075409 A 20110506

Abstract (en)

[origin: EP2520859A2] The mixing system (1) has a pressure atomizer (3) for atomizing the liquid fuel by use of compressed air in a supply direction in a combustion chamber (V). The pressure atomizer has a fuel nozzle (4) with an end-sided fuel outlet area, and a compressed air inlet pipe with end-sided air outlet area. Air supply channels (12) are provided such that the channels are limited radially inwards by a receiving space (15) for the fuel nozzle. The radial outer contour of the fuel nozzle is designed for positive incorporation of the end-sided fuel outlet area.

IPC 8 full level

F23D 11/40 (2006.01); **F23D 11/10** (2006.01); **F23D 11/38** (2006.01)

CPC (source: EP)

F23D 11/107 (2013.01); **F23D 11/383** (2013.01); **F23D 11/402** (2013.01); **F23D 2900/14701** (2013.01)

Citation (search report)

- [X] EP 1605204 A2 20051214 - DELAVAN INC [US]
- [XI] US 3831843 A 19740827 - MASAI T
- [X] US 2006147854 A1 20060706 - FULLEMANN JORG [CH]

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 2520859 A2 20121107; **EP 2520859 A3 20150715**; DE 102011075409 A1 20121108

DOCDB simple family (application)

EP 12166014 A 20120427; DE 102011075409 A 20110506