

Title (en)  
FUEL NOZZLE

Title (de)  
BRENNSTOFFDÜSE

Title (fr)  
BUSE À COMBUSTIBLE

Publication  
**EP 2329189 A1 20110608 (DE)**

Application  
**EP 09783434 A 20090925**

Priority

- EP 2009062460 W 20090925
- EP 08017127 A 20080929
- EP 08017128 A 20080929
- EP 09783434 A 20090925

Abstract (en)  
[origin: WO2010034819A1] The invention relates to a fuel nozzle comprising a nozzle tube (2) and a nozzle outlet opening (10), wherein the nozzle tube (2) is connected to a fuel feed line for feeding a fuel to the nozzle tube (2), wherein the fuel is fed from the nozzle outlet opening (10) to an annular air stream (8) surrounding the fuel nozzle, wherein a first nozzle tube section (4) that extends up to the nozzle outlet opening (10) is designed in a floral pattern (6) in such a way that the fuel can be fed in substantially coaxially into the air stream (8).

IPC 8 full level  
**F23D 14/22** (2006.01); **F23D 14/58** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)  
**F23D 14/22** (2013.01 - EP US); **F23D 14/58** (2013.01 - EP US); **F23R 3/28** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010034819A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**WO 2010034819 A1 20100401**; CN 102165258 A 20110824; CN 102165258 B 20140122; EP 2329189 A1 20110608; EP 2329189 B1 20160113; EP 2629011 A1 20130821; JP 2012504219 A 20120216; JP 2013040769 A 20130228; JP 5312599 B2 20131009; JP 5487280 B2 20140507; RU 2011117317 A 20121110; RU 2506497 C2 20140210; US 2011232289 A1 20110929; US 8959922 B2 20150224

DOCDB simple family (application)  
**EP 2009062460 W 20090925**; CN 200980138271 A 20090925; EP 09783434 A 20090925; EP 13002599 A 20090925; JP 2011528347 A 20090925; JP 2012259959 A 20121128; RU 2011117317 A 20090925; US 200913121461 A 20090925