

Title (en)  
Premix Burner

Title (de)  
Vormischbrenner

Title (fr)  
Brûleur à prémélange

Publication  
**EP 1645802 A3 20130508 (DE)**

Application  
**EP 05108942 A 20050928**

Priority  
DE 102004049491 A 20041011

Abstract (en)  
[origin: EP1645802A2] The premixing burner has a grating for combustible air flow, a fuel dosing means (17a,17b) for intake of fuel and air inlet slots. The dosing of fuel in the combustible air is done with the help of fuel dosing means whereby at least one dosing means (5) is arranged in the spin area of the fuel flange (3).

IPC 8 full level  
**F23D 17/00** (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)  
**F23D 17/002** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

- [XDY] DE 10064893 A1 20021114 - ALSTOM SWITZERLAND LTD [CH]
- [X] DE 10160907 A1 20030814 - ALSTOM SWITZERLAND LTD [CH]
- [XD] WO 0196785 A1 20011220 - ALSTOM SWITZERLAND LTD [CH], et al
- [XY] EP 1336800 A1 20030820 - ALSTOM SWITZERLAND LTD [CH]
- [X] WO 03056241 A1 20030710 - ALSTOM SWITZERLAND LTD [CH], et al
- [Y] US 5901549 A 19990511 - MANDAI SHIGEMI [JP], et al
- [Y] DE 20009526 U1 20000921 - ERC EMISSIONS REDUZIERUNGS CON [DE]
- [A] WO 02061337 A1 20020808 - ALSTOM SWITZERLAND LTD [CH], et al
- [A] EP 1205653 A1 20020515 - ALSTOM POWER NV [NL]

Cited by  
CN111886068A; US10557634B2; US9028247B2; WO2007134580A1; WO2009127240A1; US8776524B2; EP2071156A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)  
**EP 1645802 A2 20060412; EP 1645802 A3 20130508; EP 1645802 B1 20150819**; DE 102004049491 A1 20060420;  
US 2006183069 A1 20060817; US 7780437 B2 20100824

DOCDB simple family (application)  
**EP 05108942 A 20050928**; DE 102004049491 A 20041011; US 23784805 A 20050929