

Title (en)
Burner for premix-type combustion

Title (de)
Brenner zur vormischartigen Verbrennung

Title (fr)
Brûleur pour combustion à prémélange

Publication
EP 1734306 A1 20061220 (DE)

Application
EP 06115305 A 20060612

Priority
CH 10312005 A 20050617

Abstract (en)
The premix burner has a central cavity (8), into which premix air is fed through slots (11) in its walls. A central pipe (2) at the center of the cavity injects fuel for the main combustion into the burner, while pipes (14) above and below it on either side inject premix fuel (3) at right angles to the burner axis. An independent claim is included for a method for operating the burner.

IPC 8 full level
F23R 3/28 (2006.01); **F23C 7/00** (2006.01); **F23D 11/40** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)
F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US);
F23C 2900/07002 (2013.01 - EP US)

Citation (search report)
• [XY] US 5489203 A 19960206 - DOEBBELING KLAUS [CH], et al
• [DY] WO 0196785 A1 20011220 - ALSTOM SWITZERLAND LTD [CH], et al
• [A] US 5244380 A 19930914 - DOEBBELING KLAUS [CH], et al
• [A] US 5588824 A 19961231 - MCMILLAN ROBIN T D [CH]
• [A] EP 0981016 A1 20000223 - ASEA BROWN BOVERI [CH]

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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)
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ES 2352679 T3 20110222; US 2007026353 A1 20070201; US 7975486 B2 20110712

DOCDB simple family (application)
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ES 06115305 T 20060612; US 45290006 A 20060615