

Title (en)
Mixing device for burner

Title (de)
Mischeinrichtung für einen Brenner

Title (fr)
Mélangeur pour brûleur

Publication
EP 0777084 B1 20020130 (DE)

Application
EP 96118734 A 19961122

Priority
DE 29518919 U 19951129

Abstract (en)
[origin: EP0777084A2] The mixing device has a burner tube, a coaxial centring hub (22) to receive the burner jet shaft (26). It has an air input tube round the jet shaft with fuel jet (30), ending downstream in a conical air jet, vortex-forming wings (40) in the air input tube, and an annular disc (20) to close the air input tube. The centring hub is fitted upstream of the annular disc, and is aligned with the central jet aperture of the disc. The air input tube is downstream of the annular disc, which has air passage apertures between the hub and the tube. The vortex forming wings are downstream of the air passage apertures, projecting into the tube.

IPC 1-7
F23D 11/40; **F23C 7/00**

IPC 8 full level
F23C 7/00 (2006.01); **F23C 9/00** (2006.01); **F23D 11/40** (2006.01)

CPC (source: EP)
F23C 7/004 (2013.01); **F23C 7/008** (2013.01); **F23C 9/006** (2013.01); **F23D 11/40** (2013.01); **F23C 2202/50** (2013.01); **F23D 2900/11402** (2013.01); **F23D 2900/11403** (2013.01)

Citation (examination)
• DE 2339125 A1 19750213 - VOLKSWAGENWERK AG
• DE 3124113 A1 19821230 - HEISLER & LEINS THERMOSTAR [DE]

Cited by
EP2287530A3; AU2012351536B2; EP1533566A3; ITMO20100087A1; ITMO20120292A1; CN104854404A; DE10144408B4; DE10144407B4; DE202009002700U1; WO2011120597A1; WO2013087919A1; WO2014083516A1; WO03072234A1; DE202009010692U1; EP2287530A2; US7357820B2; US7357821B2; DE202009010691U1; EP2295857A2; US10427172B2; WO03022422A1; WO03022423A1

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