

Title (en)  
Mixing device for a burner

Title (de)  
Mischeinrichtung für einen Brenner

Title (fr)  
Unité de mélange pour un brûleur

Publication  
**EP 2287530 A3 20140702 (DE)**

Application  
**EP 10008034 A 20100802**

Priority  
DE 202009010692 U 20090807

Abstract (en)  
[origin: EP2287530A2] The mixer (10) has a flame pipe (30) arranged adjacent to a burner pipe (20), and a nozzle fitting (40) arranged in the burner pipe. An air nozzle (60) is axially arranged in the burner pipe, and is extended into the flame pipe, and recirculation openings (85) arranged in a transition region between the burner pipe and the flame pipe. A recirculation unit (70) is axially fixed and rotatably arranged in a longitudinal axle within the transition region when rotation of passage cross-section (86) of the recirculation openings is varied. An independent claim is also included for a burner comprising an opening.

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

CPC (source: EP)  
**F23C 9/006** (2013.01); **F23D 11/40** (2013.01); **F23C 2206/102** (2013.01)

Citation (search report)

- [YD] DE 202009002700 U1 20090430 - MEKU METALLVERARBEITUNG [DE]
- [Y] DE 3906854 C1 19901031
- [Y] EP 0410135 A1 19910130 - ELCO OEL & GASBRENNER [CH]
- [A] DE 8906821 U1 19890824
- [AD] EP 0777084 A2 19970604 - MEKU METALLVERARBEITUNG [DE]
- [AD] DE 3930569 C2 19950601 - SCHILLING SIEGFRIED W [CH]
- [A] EP 1243850 A1 20020925 - RIELLO BURNERNS S P A [IT]

Cited by  
CN113167468A; CZ308978B6

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**DE 202009010692 U1 20100916**; EP 2287530 A2 20110223; EP 2287530 A3 20140702; EP 2287530 B1 20180704; ES 2688951 T3 20181107

DOCDB simple family (application)  
**DE 202009010692 U 20090807**; EP 10008034 A 20100802; ES 10008034 T 20100802