

Title (en)

Burner head and method of combusting fuel

Title (de)

Brennkopf und Verfahren zur Verbrennung von Brennstoff

Title (fr)

Tête de brûleur et procédé pour brûler du combustible

Publication

EP 1754937 A3 20140820 (DE)

Application

EP 06013517 A 20060629

Priority

DE 102005038662 A 20050816

Abstract (en)

[origin: EP1754937A2] The burner head comprises a burner pipe (18) with guide plates (34) which point inwards mounted at the downstream end. A fuel injector (26) is mounted between these and has a second set of plates (24) which point outwards mounted around it. An independent claim is included for a method for burning fuel using the burner head.

IPC 8 full level

F23D 17/00 (2006.01); **F23C 7/00** (2006.01); **F23C 9/00** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23C 9/006** (2013.01 - EP US); **F23D 14/70** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US)

Citation (search report)

- [X] EP 1245901 A1 20021002 - RIELLO SPA [IT]
- [XD] EP 0857915 A2 19980812 - ELCO KLOECKNER HEIZTECH GMBH [DE]
- [X] EP 0635676 A1 19950125 - ELCO KLOECKNER HEIZTECH GMBH [DE]
- [X] EP 0774621 A2 19970521 - TOKYO GAS CO LTD [JP]

Cited by

EP3940293A1; DE102020118325A1

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 RS

DOCDB simple family (publication)

EP 1754937 A2 20070221; **EP 1754937 A3 20140820**; **EP 1754937 B1 20170809**; DE 102005038662 A1 20070301;
DE 102005038662 B4 20070823; DE 202005021253 U1 20070726; US 2007042308 A1 20070222; US 7891971 B2 20110222

DOCDB simple family (application)

EP 06013517 A 20060629; DE 102005038662 A 20050816; DE 202005021253 U 20050816; US 50250106 A 20060810