

Title (en)

A mixing head and a burner comprising the mixing head

Title (de)

Mischkopf und Brenner mit Mischkopf

Title (fr)

Tête de mélange et brûleur comprenant la tête de mélange

Publication

EP 2014982 A3 20120613 (EN)

Application

EP 08075581 A 20080620

Priority

IT MO20070235 A 20070713

Abstract (en)

[origin: EP2014982A2] A mixing head for burners comprises a cylindrical, internally hollow, main body (2), extending around an axis (3) and comprising a cylindrical lateral surface (4) delimited by an open end (2a) for allowing an input of a gas into the cylindrical body (2), and by a closed end (2b), which is opposite the first end (2a). The cylindrical surface (4) exhibits a flame-ignition zone (4a) comprising a plurality of nozzles (5) through which the gas exits. In proximity of the open end (2a) of the main body (2) there is a diffuser disc (6) comprising a plurality of slits (9) which allow an air flow to pass through the disc (6) and to reach the nozzles (5). The nozzles (5) are arranged along a plurality of mutually parallel circumferences (12) which are axially aligned along the entire flame zone (4a).

IPC 8 full level

F23D 14/62 (2006.01)

CPC (source: EP)

F23D 14/62 (2013.01)

Citation (search report)

- [XYI] US 6238206 B1 20010529 - CUMMINGS III WILLIAM G [US], et al
- [Y] DE 10202600 A1 20030814 - EISENMANN KG MASCHBAU [DE], et al
- [A] DE 4001378 A1 19910725 - KRAFT INDUSTRIEWAERMETECHNIK D [DE]

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