

Title (en)
Gas burner for boiler

Title (de)
Gasbrenner für einen Kessel

Title (fr)
Brûleur à gaz pour une chaudière

Publication
EP 2083217 A1 20090729 (EN)

Application
EP 08425004 A 20080103

Priority
EP 08425004 A 20080103

Abstract (en)
A gas burner (1) for boiler comprises a support plate (2) with an outer side (3), and an inner side (4) opposite the outer side (3) and intended to face a combustion chamber, one or more first portions (5) in order to connect the support plate (2) to the combustion chamber, a passage opening (8), a second connection portion (10) formed on the outer side (4) and adapted to the connection of a supply duct (11) to the support plate (2) in flow communication with the passage opening (8), a third connection portion (18) formed on the inner side (4) of the support plate (2) and configured for a direct connection of a diffuser wall (19) and/or a distributor wall (20) to the support plate (2) in flow communication with the passage opening (8), wherein the third connection portion (18) and the support plate (2) are formed as one piece.

IPC 8 full level
F23D 14/10 (2006.01)

CPC (source: EP)
F23D 14/10 (2013.01); **F23D 14/105** (2013.01)

Citation (applicant)

- US 2005274328 A1 20051215 - BAESE DAVID C [US], et al
- US 5022352 A 19910611 - OSBORNE ROBERT E [US], et al
- US 3704748 A 19721205 - HAPGOOD WILLIAM H

Citation (search report)

- [XA] US 2005274328 A1 20051215 - BAESE DAVID C [US], et al
- [XA] US 5022352 A 19910611 - OSBORNE ROBERT E [US], et al
- [XA] US 3704748 A 19721205 - HAPGOOD WILLIAM H
- [A] EP 1431657 A1 20040623 - AEROMATIX LTD [GB]

Cited by
IT201900005504A1; CN110192066A; US11002445B2

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DE GB IT NL

Designated extension state (EPC)
AL BA MK RS

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