

Title (en)

A BURNER ASSEMBLY FOR COMBUSTION OF AN AIR-HYDROGEN MIXTURE

Title (de)

BRENNERANORDNUNG ZUR VERBRENNUNG EINES LUFT-WASSERSTOFF-GEMISCHES

Title (fr)

ENSEMBLE BRÛLEUR POUR LA COMBUSTION D'UN MÉLANGE AIR-HYDROGÈNE

Publication

EP 4246041 A1 20230920 (EN)

Application

EP 23156428 A 20230214

Priority

GB 202203534 A 20220314

Abstract (en)

In a burner assembly for combustion of an air-hydrogen mixture on a burner surface (235), comprising a burning unit (120) with an air-hydrogen mixture flow-through section (230) that comprises a plurality of slotted orifices (250) for flow-through of air-hydrogen mixture, wherein the air-hydrogen mixture flow-through section (230) embodies the burner surface (235) and comprises a first length (232) and a first width (234) that is smaller than the first length (232), and wherein each slotted orifice (252, 255, 257) of the plurality of slotted orifices (250) comprises a second length (259) and a second width (258) that is smaller than the second length (259), the second width (258) amounts at most to 0.6 mm, and the second length (259) is at least essentially arranged in parallel to the first width (234).

IPC 8 full level

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CPC (source: EP GB)

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Citation (applicant)

DE 102019216769 A1 20210506 - BOSCH GMBH ROBERT [DE]

Citation (search report)

- [XII] EP 1111303 A1 20010627 - BUDERUS HEIZTECHNIK GMBH [DE]
- [XII] WO 2008025783 A2 20080306 - BEKAERT SA NV [BE], et al
- [I] DE 29722677 U1 19980219 - G E O HEIZUNGSTECHNIK GMBH [DE]

Designated contracting state (EPC)

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