

Title (en)

A PREMIXED DUAL FUEL BURNER WITH A TAPERING INJECTION COMPONENT FOR MAIN LIQUID FUEL

Title (de)

VORGEMISCHTER DUALER BRENNSTOFFBRENNER MIT SICH VERSCHMÄLERNDER EINSPRITZKOMPONENTE FÜR DEN HAUPTFLÜSSIGBRENNSTOFF

Title (fr)

BRÛLEUR À DEUX COMBUSTIBLES PRÉ-MÉLANGÉS DOTÉ D'ÉLÉMENT D'INJECTION CONIQUE POUR COMBUSTIBLE LIQUIDE PRINCIPAL

Publication

EP 3314165 A1 20180502 (EN)

Application

EP 16745457 A 20160729

Priority

- EP 15181707 A 20150820
- EP 2016068139 W 20160729

Abstract (en)

[origin: EP3133342A1] A premixed dual fuel burner includes a burner head, a burner interior elongated along a main axis and having an upstream side enclosed by a swirler and a downstream side enclosed by a premixing section, and an injection component. The burner head, the upstream side and the downstream side are serially arranged. The swirler includes an inlet section for introducing air and a main gas fuel into the burner interior. The injection component has a tapering structure positioned along the main axis. The tapering structure extends from the burner head into the burner interior. The injection component has a burner head side and an injection side and tapers from the burner head side to the injection side along the main axis. At the injection side a liquid fuel outlet is present for introducing a main liquid fuel into the burner interior. The injection side is disposed in the burner interior.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017029101A1

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