

Title (en)

A DUAL FUEL BURNER ASSEMBLY AND METHOD OF OPERATING A DUAL FUEL BURNER ASSEMBLY

Title (de)

DOPPELBRENNSTOFF-BRENNERANORDNUNG UND VERFAHREN ZUM BETRIEB EINER DOPPELBRENNSTOFF-BRENNERANORDNUNG

Title (fr)

ENSEMBLE BRÛLEUR À DOUBLE CARBURANT ET PROCÉDÉ DE FONCTIONNEMENT D'UN ENSEMBLE BRÛLEUR À DOUBLE CARBURANT

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Application

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Abstract (en)

[origin: WO2019105540A1] Invention relates to a dual fuel burner assembly (10) comprising a duct part (12) arranged into the burner, a combustion air inlet opening (15) in a first end of the duct part, an outlet (16) at the second end of the duct part (12) and a second fuel inlet (17) and a first fuel inlet (19), wherein the duct part is provided with a swirl section (30) between the air inlet (15) and the outlet (16) of the burner assembly (10), and the swirl section (30) comprises an annular outer flow channel (32) and a central flow channel (34) radially enclosed by the outer flow channel (32), and the annular flow channel (32) is provided with vanes (38) arranged to provide a tangential component to a gas flowing through the annular flow channel when in use, and the central flow channel (34) is provided with a damper (40) configured to adjust flow resistance of the central flow channel (34), and that the first fuel inlet (19) is arranged coaxially with annular flow channel (32) of the swirl section in the vicinity of the outlet (16) of the burner. Invention relates also to method of operating a dual fuel burner assembly.

IPC 8 full level

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