

Title (en)
BURNER, IN PARTICULAR FOR GAS TURBINES

Title (de)
BRENNER, INSBESONDERE FÜR GASTURBINEN

Title (fr)
BRÛLEUR NOTAMMENT DESTINÉ À DES TURBINES À GAZ

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Abstract (en)
[origin: WO2011023669A1] The invention relates to a burner comprising a central fuel supply arrangement (27), an annular air channel (18) surrounding said central fuel supply arrangement (27), for supplying combustion air and swirl blades which are arranged in the annular air channel (17), comprising first fuel nozzles (21) for introducing an essentially gaseous fuel into the combustion air, and second fuel nozzles (23) for introducing an essentially gaseous fuel into the combustion air. The first fuel nozzles (21) are supplied by a fuel distributor supply in the fuel supply arrangement (27), and the second fuel nozzles (23) are supplied by a fuel distributor channel (31) in the fuel supply arrangement (27). The fuel distributor supply comprises a supply pipe (55) which is connected downstream of the swirl blade (19), and an annular attachment (60). The supply pipe (55) is connected downstream of the annular attachment (60) and said annular attachment (60) is mounted upstream of the fuel distributor channel (31) when seen in the direction of flow. The invention also relates to a gas turbine comprising said type of burner.

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