

Title (en)
Gas turbine burner for reactive fuels

Title (de)
Gasturbinenbrenner für reaktive Brennstoffe

Title (fr)
Brûleur de turbine à gaz pour carburants réactifs

Publication
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Application
EP 18199840 A 20181011

Priority
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Abstract (en)
The invention relates to a burner (1) for a gas turbine with a supply zone (2) for supplying fuel and air and a subsequent mixing zone (3) for premixing fuel and air, the mixing zone (3) having an upstream end (4) and a downstream end (5) and comprising a plurality of premix jet pipes (6) for mixing air and fuel, each with an inlet (7) and an outlet (8), arranged around a central burner axis (9) and extending between the upstream end (4) and the downstream end (5), wherein closer to the upstream end (4) the premix jet pipes (6) are straight and parallel to each other and wherein closer to the downstream end (5) the premix jet pipes (6) are bent away from the central burner axis (9) wherein a bending of the premix jet pipes (6) increases with the distance between premix jet pipe (6) and central burner axis (9), wherein a diameter (11) of the premix jet pipes (6) is between 0.5 mm and 10 mm.

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Citation (search report)
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