

Title (en)
BURNER ARRANGEMENT

Title (de)
BRENNERANORDNUNG

Title (fr)
AGENCEMENT DE BRÛLEUR

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Application
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Abstract (en)
[origin: WO2016162248A1] The invention relates to a burner arrangement (1) for a combustion chamber, in particular a gas turbine combustion chamber, for burning fluid fuels, having a main burner (2) and a pilot burner (3) which is arranged centrally therein and serves to ignite and/or stabilize the combustion of the main burner (2), the main burner (2) comprising a first annular air duct (4) for supplying combustion air and first fuel nozzles (5) for injecting a fuel into the first annular air duct (4), the pilot burner (3) comprising a second annular air duct (6) for supplying combustion air and a burner head (7) with second fuel nozzles (8) for injecting a fuel into the second annular air duct (6), wherein the second fuel nozzles (8) are provided as separately controllable first and second fuel stages (9, 10), wherein for the purpose of supplying fuel to the first and second fuel stages (9, 10) there is provided a burner support pipe (11) that connects to the burner head (7) and has a pipe wall (12), and that the pipe wall (12) has, parallel to the longitudinal axis (13) of the burner support pipe (11), at least one first and one second deep-hole bore (14, 15) for supplying fuel to the first and second fuel stages (9, 10).

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