

Title (en)
SILO COMBUSTION CHAMBER FOR A GAS TURBINE

Title (de)
SILOBRENNKAMMER FÜR EINE GASTURBINE

Title (fr)
CHAMBRE DE COMBUSTION DE TYPE SILO POUR TURBINE À GAZ

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Application
EP 15700658 A 20150113

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Abstract (en)
[origin: WO2015110316A1] The invention relates to a silo combustion chamber (10) for a gas turbine (1), comprising a cylindrical flame tube (34) which is provided with a cylindrical casing (44) on the tube outer face, thereby forming a gap (45). A first base surface (38) of the flame tube (34) has a burner (40), and the second base surface (36) of the flame tube (34) has an opening which can be connected to the turbine inlet of the gas turbine (1). The casing (44) has an extraction line (50) in an axial central region in order to extract air from the gap (45). The silo combustion chamber should allow a particularly high degree of efficiency of the gas turbine by using a heat exchanger while having a particularly long service life. This is achieved in that the casing (44) has a bleeder line (58) in an axial end region paired with the first base surface (38), said bleeder line leading to the extraction line (50).

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