

Title (en)
BURNER ARRANGEMENT WITH RESONATOR

Title (de)
BRENNERANORDNUNG MIT RESONATOR

Title (fr)
SYSTÈME DE COMBUSTION AVEC RÉSONATEUR

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Application
EP 15719643 A 20150417

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Abstract (en)
[origin: WO2015176887A1] The invention relates to a burner arrangement (1) having a combustion chamber (2), a multiplicity of mixing ducts discharging into the combustion chamber (2), in which ducts combustion air and fuel introduced during proper operation are mixed, and at least one resonator which has a defined resonator volume and resonator openings, characterized in that the mixing ducts consist of mixing tubes (5) which extend axially through an annular space (12) defined between a tubular outer wall (8), a tubular inner wall (9) arranged with the radial separation from the outer wall (8), an annular end plate (10) arranged upstream and an annular end plate (11) arranged downstream, wherein the end plates (10, 11) are provided with through openings (16, 23) which receive and/or prolong the mixing tubes (5), in that the resonator openings of the at least one resonator are designed as air ducts (24) that extend through the downstream end plate (11), and in that the resonator volume of the at least one resonator is formed by at least one part of the annular space (12).

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