Title (en)

BURNER COMPRISING A PREMIX FOR COMBUSTION CHAMBER

Title (de)

VORMISCHBRENNER ZUM BETREIBEN EINER BRENNKAMMER

Title (fr)

BRULEUR A PREMELANGE POUR UNE CHAMBRE DE COMBUSTION

Publication

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Application

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Abstract (en)

[origin: WO2006094939A1] The invention concerns a burner comprising a premix designed to produce a flammable air-fuel mixture, said burner including a vortex generator, wherein are provided two complementary burner shells (B) forming a passage body, having each a first half-cone burner shell section (1) and delimiting together a turbulence chamber, widening in the axis in the form of a cone, as well as tangential air intake slots (LS) in the axial longitudinal direction of the cone. The invention is characterized in that the first half-cone burner shell section (1) is completed by a second flush burner shell section (8) and curved in the direction opposite to the first burner shell section (1); a third burner shell section (9), having a curvature tangentially adapted to that of the second burner shell section (8), and connected flush to said second burner shell section (8) and the third burner shell section (9) delimits, on one side, one of the tangential air intake slots (LS) and has a leading edge (12) for incoming combustion air (L).

IPC 8 full level

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