

Title (en)
Cylindrical burner

Title (de)
Zylindrischer Brenner

Title (fr)
Brûleur cylindrique

Publication
EP 1584868 B1 20150114 (EN)

Application
EP 05252224 A 20050408

Priority
JP 2004115349 A 20040409

Abstract (en)
[origin: EP1584868A2] The invention provides a cylindrical burner including: a heat chamber having a plurality of burner ports; and a distribution pipe in the heat chamber having a plurality of distribution holes, wherein, even if a mixed gas is supplied while keeping a motion component in a radial direction of a heat chamber, uniform combustion is performed over an entire periphery of the heat chamber. An inlet pipe, which extends in an axial direction to a position in front of a top end of the heat chamber, is provided in the distribution pipe to rectify the mixed gas into a flow that hardly has a motion component in the radial direction and supply the mixed gas into the distribution pipe. An annular baffle board, which narrows a gap between the distribution pipe and the heat chamber, is provided in an outer periphery of the distribution pipe a predetermined distance apart to the base end side from the top end of the inlet pipe. The distribution holes are not formed in the distribution pipe in a portion closer to the inlet pipe in an axial direction area between the top end of the inlet pipe and the top end of the heat chamber and a portion between the top end of the inlet pipe and a position near an arrangement section of the baffle board.

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Cited by
EP3282187A1; EP1914476A3; US8379849B2; WO2008142531A3; WO2021057677A1

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DE FR GB NL

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