

Title (en)  
Cylindrical burner

Title (de)  
Zylindrischer Brenner

Title (fr)  
Brûleur cylindrique

Publication  
**EP 1584868 A2 20051012 (EN)**

Application  
**EP 05252224 A 20050408**

Priority  
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Abstract (en)  
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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