

Title (en)
Cylindrical burner

Title (de)
Zylinderförmiger Brenner

Title (fr)
Brûleur cylindrique

Publication
EP 1582810 B1 20130724 (EN)

Application
EP 05251921 A 20050329

Priority
JP 2004096337 A 20040329

Abstract (en)
[origin: EP1582810A2] A cylindrical burner includes a heat chamber 1 constituted by combining plural strip-shaped combustion plates 7, a coupling member 2 that extends in an axial direction inside the heat chamber, a pair of holding plates 3 and 4 fixed to both ends of the coupling member. The respective holding plates are set in abutment against respective end faces of the heat chamber via end face packings 6 overlapping the respective end faces to sandwich the heat chamber with both the holding plates from both sides in the axial direction. The respective combustion plates are tightened inwardly in a radial direction to prevent gas from leaking from gaps among the combustion plates. Outer peripheral packing sections 6a overlapping outer surfaces at ends of the combustion plates 7 are projected to outer peripheries of the end face packings 6. The outer peripheral packing sections 6a are sandwiched between cylindrical flange sections 3a and 4a, which bend inwardly in the axial direction formed on the outer peripheries of the holding plates 3 and 4, and the outer surfaces at the ends of the combustion plates 7 while being compressed by a predetermined interference such that the combustion plates 7 are tightened inwardly in the radial direction. In addition, ring members 9, which bind the combustion plates 7, are mounted in an outer periphery at an end of the heat chamber 1.

IPC 8 full level
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CPC (source: EP)
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Cited by
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