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(54) **Cylindrical burner**

(57) 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.

FIG.3(a)

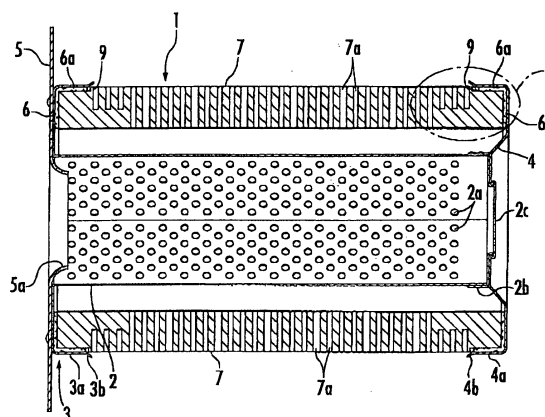
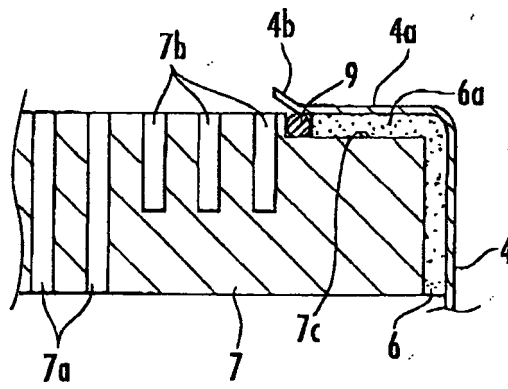


FIG.3(b)





EUROPEAN SEARCH REPORT

Application Number
EP 05 25 1921

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* column 5, line 19 - line 45 * * column 6, line 53 - column 7, line 21 * * figures 1,7-11 *	2-4	
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A	----- EP 0 685 687 A2 (GRAAT JOHANNES WILHELMUS [NL]) 6 December 1995 (1995-12-06) * column 4, line 15 - line 19 * * column 4, line 44 - line 51 * * figures 1,2 *	1	TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 27 October 2011	Examiner Mougey, Maurice
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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