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(54) Improvements relating to gas burners.

(57) The present specification discloses a gas burner for use in a gas appliance. The burner comprises a chamber (1,5) with a gas/air mix supply pipe (7) opening into the chamber. A wall (5) of the chamber (1,5) is formed by a planar ceramic slab (5) with a number of parallel very narrow elongate burner slots (11) formed therein, said slots (11) being tapered from the inside wall of the slab (5) towards the outside surface of the slab (5).

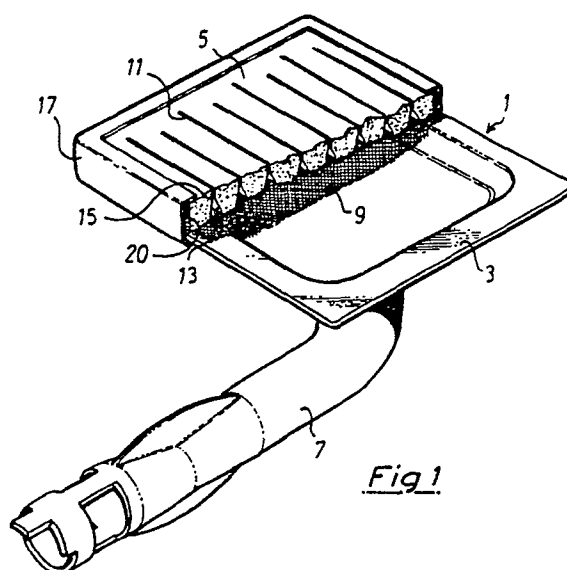


Fig 1

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | EP 88309459.1 |
|---|--|--|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl. 4) |
| X | <u>DE - A1 - 2 710 258</u> (FOSECO) * Claims 7-11; page 7, lines 29-33; page 8, line 21; page 9, lines 25-27; page 10, lines 15-18; fig. 3 * | 1-4 | F 23 D 14/58 F 23 D 14/62 F 23 D 14/74 F 23 D 14/46 |
| Y | <u>US - A - 4 530 343</u> (BECK) * Column 1, line 28; fig. 1 * | 1, 2, 4, 5 | |
| Y | <u>DE - A - 2 347 760</u> (FOSECO) * Page 3, lines 7-15 * | 1, 2, 4, 5 | |
| A | <u>DE - A - 1 529 175</u> (CALORIC CORP.) * Fig. 4 * | 2, 4, 10, 11, 13, 16 | |
| A | <u>DD - A - 118 320</u> (FISCHER) * Page 7, lines 1, 2; fig. 1 * | 2, 6, 9 | |
| A | <u>GB - A - 1 071 827</u> (CORNIG) * Page 3, column 1, line 26; fig. 2 * | 2, 3, 10-12, 14 | F 23 D 14/00 F 24 B 1/00 F 24 C 1/00 F 24 C 3/00 |
| A | <u>US - A - 4 000 732</u> (WHITE) * Fig. 5 * | 1-3 | |
| The present search report has been drawn up for all claims | | | |
| Place of search VIENNA | | Date of completion of the search 25-10-1989 | Examiner TSCHÖLLITSCH |
| 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 | |