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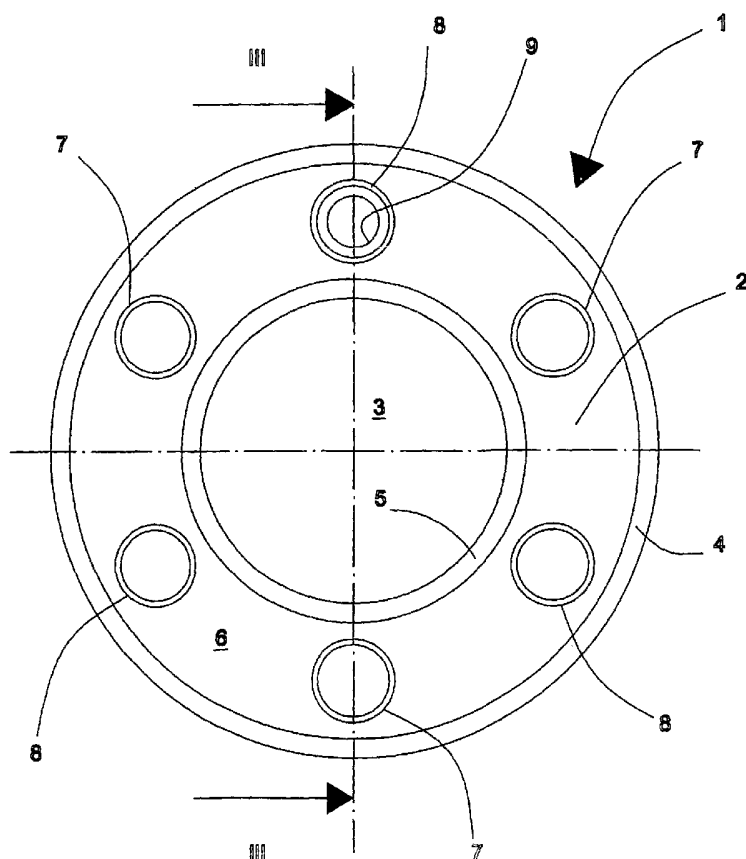
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[Continued on next page]

(54) Title: HEAT EXCHANGER



(57) Abstract: A heat exchanger (13; 13a; 13b; 13c; 13d; 13e) comprising a plurality of modular elements (10; 10a; 10b; 10c; 10d; 10e) that can be connected to one another serially or in parallel, that is equipped with an opening (3) wherein a burner (15) can be inserted, each modular element (10; 10a; 10b; 10c; 10d; 10e) comprises two half shells (1; 1a; 1b; 1c; 1d) between which a chamber (12) is defined for the circulation of a fluid, said chamber (12) being equipped with at least one opening (9; 9a; 24) for the entry of said fluid and with at least an opening (9; 9a; 24) for the exit of said fluid.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designation US*
- *of inventorship (Rule 4.17(iv)) for US only*

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F28F3/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 449 485 A (TAN P LU-JOHN) 22 May 1984 (1984-05-22) the whole document ---	1
A	US 5 271 376 A (SHENASA ALI ET AL) 21 December 1993 (1993-12-21) figures ---	1
A	GB 1 339 942 A (JUNKERS & CO) 5 December 1973 (1973-12-05) figures -----	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter

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