

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
15 March 2001 (15.03.2001)

PCT

(10) International Publication Number
WO 01/18473 A1

(51) International Patent Classification⁷: F28F 1/42, F28D 7/10

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(21) International Application Number: PCT/US00/21201

(22) International Filing Date: 3 August 2000 (03.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 09/389,786 3 September 1999 (03.09.1999) US

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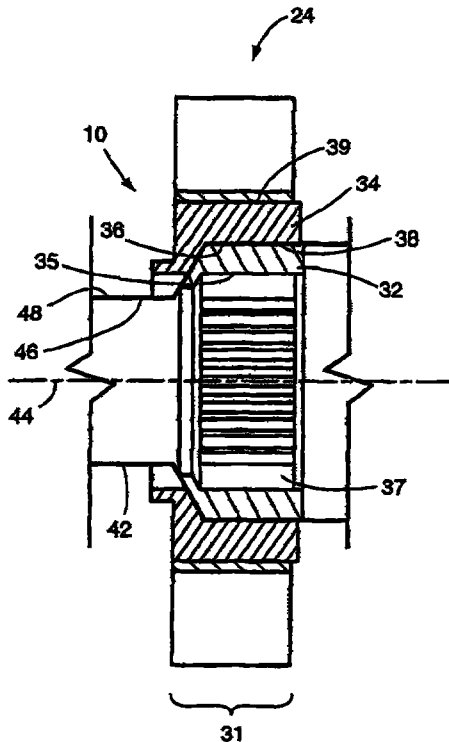
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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

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(54) Title: HEAT EXCHANGER AND METHOD OF CONSTRUCTING SAME



(57) Abstract: A method of forming a heat exchanger apparatus (10) on a housing wall (42). The heat exchanger (10) includes inner (32) and outer (34) annular rings having heat radiating, high surface area fins (37, 47) attached on oppositely facing surfaces (35, 38). The inner ring (32) has a radially outwardly facing surface (35) that abuts the interior surface (46) of the housing sidewall (42). The outer ring (34) has a radially inwardly facing surface (38) that abuts the exterior surface (48) of the housing sidewall (42). When displaced longitudinally along the ring axes (44), which are coincidental, the sidewall (42) is clampingly engaged therebetween, and an excellent thermal flow path is formed. Heat transferred into the inner fins (37) from a working gas is conducted to the inner ring (32), through the sidewall (42), into the outer ring (34), then into the outer fins (47). Air impinging upon the outer fins (47) absorbs the heat from the outer fins (47).

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Published:

— With international search report.

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