



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification⁶ :

F28D 7/02

A1

(11) International Publication Number:

WO 99/04210

(43) International Publication Date:

28 January 1999 (28.01.99)

(21) International Application Number: PCT/AU98/00552

(22) International Filing Date: 16 July 1998 (16.07.98)

(30) Priority Data:

PO 8086	17 July 1997 (17.07.97)	AU
PO 8943	2 September 1997 (02.09.97)	AU
PP 0482	21 November 1997 (21.11.97)	AU

(71) Applicant (for all designated States except US): VOS INDUSTRIES LTD. [AU/AU]; 5 Carsons Road, Malaga, W.A. 6090 (AU).

(72) Inventor; and

(75) Inventor/Applicant (for US only): DUTA, Gheorghe [AU/AU]; 19 Navy Court, Quinns Rocks, W.A. 6030 (AU).

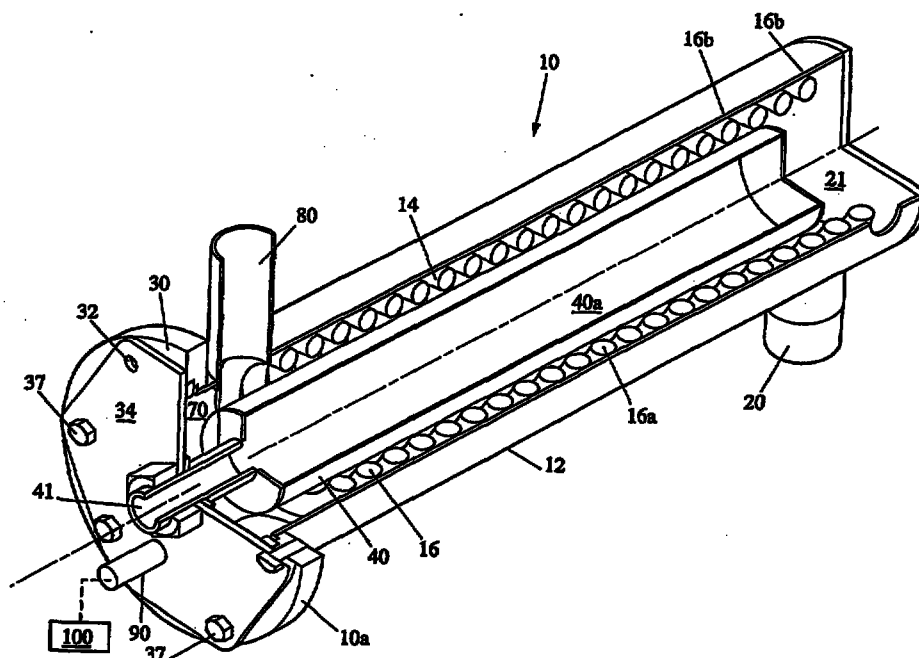
(74) Agent: WATERMARK PATENT & TRADEMARK ATTORNEYS; Durack Centre, 4th floor, 263 Adelaide Terrace, Perth, W.A. 6000 (AU).

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

Published

With international search report.

(54) Title: HEAT EXCHANGER FOR COOKING APPARATUS



(57) Abstract

A heat exchanger (10) for use in cooking applications, comprising a housing (12), a cooking medium chamber (14) in the housing (12) for passage of cooking medium through the housing (12) during the heat exchange process; and a heat exchange element (16). The heat exchange element (16) is formed to define a generally spiral path for cooking medium to pass through the cooking medium chamber (14) during the heat exchange process. Cooking apparatus (100), and methods of operation of cooking apparatus (100) including such heat exchangers (10; 22) are described.