

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

PCT

(10) International Publication Number
WO 2005/088205 A1

(51) International Patent Classification⁷: **F24H 1/18**, 1/20

(72) Inventors; and

(21) International Application Number:

PCT/AU2005/000286

(75) Inventors/Applicants (*for US only*): **PEPPER, Philip, Ross** [AU/AU]; 57 Fifth Street, Ashbury, NSW 2193 (AU). **CURTH, Roger** [AU/AU]; 8 Laurina Avenue, Engadine, NSW 2233 (AU). **CHICK, Steve** [AU/AU]; 14/122 Todman Avenue, Kensington, NSW 2033 (AU). **CHERTKOW, Brian** [ZA/AU]; 67 Allingham Road, Condell Park, NSW 2200 (AU).

(22) International Filing Date: 1 March 2005 (01.03.2005)

(25) Filing Language: English

(74) Agent: **SPRUSON & FERGUSON**; GPO Box 3898, Sydney, NSW 2001 (AU).

(26) Publication Language: English

(30) Priority Data:

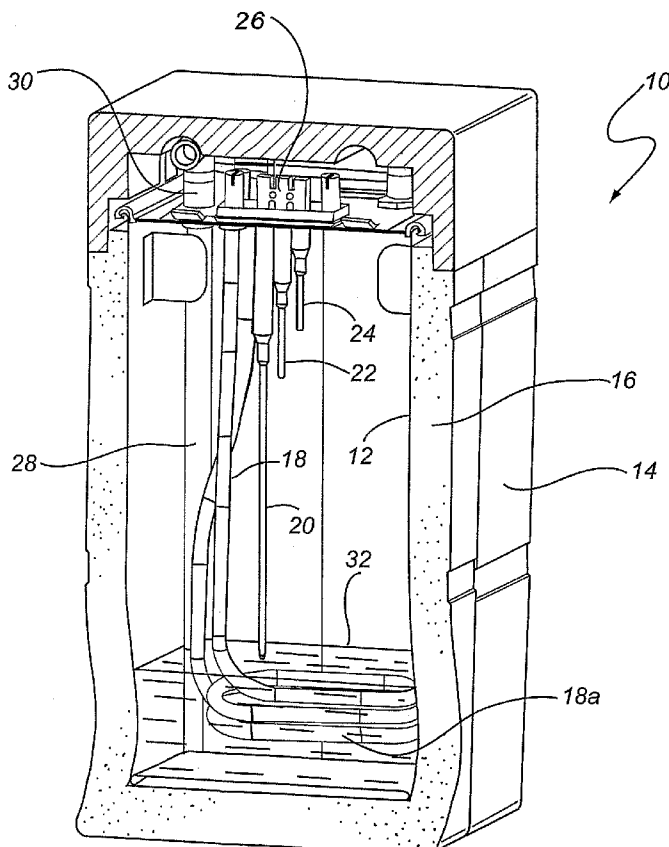
2004901343 15 March 2004 (15.03.2004) AU

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, 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, NA, NI, NO, NZ, OM, PG,

(71) Applicant (*for all designated States except US*): **ZIP INDUSTRIES (AUST) PTY LTD** [AU/AU]; 67 Allingham Street, Condell Park, NSW 2200 (AU).

[Continued on next page]

(54) Title: A WATER HEATER AND A METHOD OF OPERATING SAME



(57) Abstract: A method of determining an operating water temperature for a boiling water heater (10). The method including the following steps: (a) adding water to a tank (12) to a predetermined level; (b) heating the water in the tank (12) to approximately 95 degrees Celsius; (c) applying sufficient heat to the water in the tank (12) so as to cause boiling of the water in the tank within a predetermined first period of time; (d) measuring the boiling water temperature of the water in the tank (12); and (e) subtracting a predetermined temperature from the boiling water temperature measured in step (d) to arrive at the operating water temperature.



PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.