

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
28 November 2002 (28.11.2002)

PCT

(10) International Publication Number  
**WO 02/094293 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 33/08**,  
A61P 33/02, A01N 59/06, 59/00, C02F 1/28, 1/50, 1/52 //  
103:42, A61L 2/23, 15/18

Street, Willoughby, New South Wales 2068 (AU). **PASH-  
LEY, Richard, Mark** [AU/AU]; 8 Tilden Place, Cook,  
Australian Capital Territory 2614 (AU).

(21) International Application Number: PCT/AU02/00609

(74) Agent: **F. B. RICE & CO.**; 139 Rathdowne Street, Carl-  
ton, Victoria 3053 (AU).

(22) International Filing Date: 17 May 2002 (17.05.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
PR 5128 18 May 2001 (18.05.2001) AU

(81) Designated States (*national*): 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG,  
SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VN, YU, ZA, ZM, ZW.

(71) Applicants (*for all designated States except US*): **AUS-  
TRALIAN WATER TECHNOLOGIES PTY. LTD.**  
[AU/AU]; Level 1, 339-341 Pitt Street, Sydney, New South  
Wales 2000 (AU). **THE AUSTRALIAN NATIONAL  
UNIVERSITY** [AU/AU]; Acton, Canberra, New South  
Wales 2601 (AU).

(84) Designated States (*regional*): 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, CH, CY, DE, DK, ES, FI, FR,  
GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,  
NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KARAMAN,  
Marilyn, Emily** [AU/AU]; 105 Bandjalong Crescent,  
Aranda, Australian Capital Territory 2614 (AU). **BUS-  
TAMANTE, Heriberto, Alejandro** [CL/AU]; Unit 14,  
17-21 Willock Avenue, Miranda, New South Wales 2228  
(AU). **SHANKER, Sivaraj** [AU/AU]; 16-A Cambridge

Published:

— with international search report

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

(54) Title: METHOD FOR THE DESTRUCTION OF OOCYSTS

(57) Abstract: A method is provided for destroying oocysts, and destroying or inactivating sporozoites contained within the oocysts, by contacting the oocysts with a composition comprising surface-exposed AIOH groups to cause (a) the oocysts to rupture and the contained sporozoites to be released and/or (b) the oocysts to flatten resulting in destruction of the contained sporozoites. Also provided are pharmaceutical compositions, food supplements and items of clothing comprising a composition comprising surface-exposed AIOH groups.



**WO 02/094293 A1**