

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
3 May 2001 (03.05.2001)

PCT

(10) International Publication Number  
**WO 01/30817 A1**

(51) International Patent Classification: **C07K 14/435**,  
16/18, C07H 21/04, C12N 15/12, A61K 39/35, 48/00,  
A61P 37/08

(SG). LEE, Bee, Wah [SG/SG]; 16 Vanda Crescent, Singapore 287905 (SG).

(21) International Application Number: PCT/AU00/01227

(74) Agents: HUGHES, Edward, John, Langford et al.; Davies Collison Cave, Level 3, 303 Coronation Drive, Milton, QLD 4064 (AU).

(22) International Filing Date: 10 October 2000 (10.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
9905313-4 26 October 1999 (26.10.1999) SG  
PQ 8842 18 July 2000 (18.07.2000) AU  
PQ 8844 18 July 2000 (18.07.2000) AU  
PQ 8845 18 July 2000 (18.07.2000) AU

(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, US, 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).

(71) Applicant (*for all designated States except US*): NATIONAL UNIVERSITY OF SINGAPORE [SG/SG]; 10 Kent Ridge Crescent, Singapore 119260 (SG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): CHUA, Kaw, Yan [AU/SG]; Block F, #02-05, Kent Vale, Clementi Road, Singapore 119074 (SG). CHEONG, Nge [MY/SG]; Block 602, #07-11, Clementi West Street 1, Singapore 120602

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.

WO 01/30817 A1

(54) Title: IMMUNOGENIC PROTEINS FROM THE DOMESTIC MITE, *BLOMIA TROPICALIS*

(57) Abstract: Sequenced immunogenic proteins derived from the house mite, *Blomia tropicalis*, are used to develop clinical reagents for the treatment and diagnosis of conditions involving the induction of an immune response to the mite, such as allergies.