

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 January 2009 (22.01.2009)

PCT

(10) International Publication Number
WO 2009/012487 A3

(51) International Patent Classification:

A61K 39/25 (2006.01) C07K 14/04 (2006.01)
A61K 39/145 (2006.01) C07K 14/11 (2006.01)

(21) International Application Number:

PCT/US2008/070636

(22) International Filing Date:

21 July 2008 (21.07.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/950,707 19 July 2007 (19.07.2007) US
60/970,592 7 September 2007 (07.09.2007) US
61/071,835 20 May 2008 (20.05.2008) US

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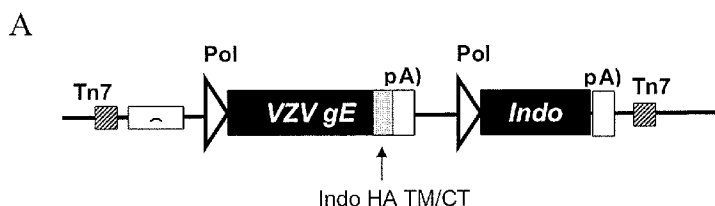
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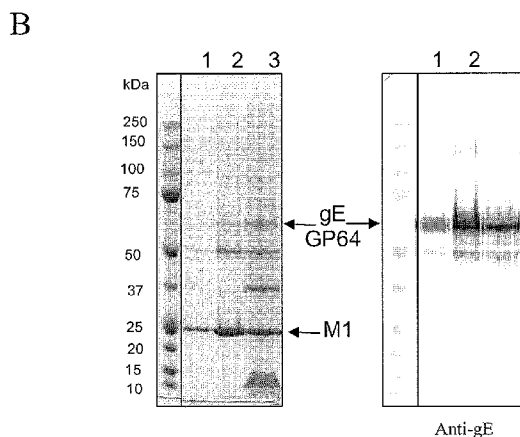
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) Title: CHIMERIC VARICELLA ZOSTER VIRUS-VIRUS LIKE PARTICLES



(57) Abstract: The present invention discloses novel chimeric Varicella Zoster Virus (VZV) virus-like particles (VLPs) comprising chimeric VZV glycoproteins. The invention also discloses vaccine formulations of the chimeric VZV-VLPs and methods of inducing an immune response in subjects.



- gE/M1 VLP, 2nd TMAE flow through, 26 ml
- gE/M1 VLP, 30% sucrose interface, 1.5 ml
- gE/M1 VLP, 30% sucrose pellet, 0.52 ml

Figure 1

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(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, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report (Art. 21(3))
- with sequence listing part of description (Rule 5.2(a))

(88) Date of publication of the international search report:
30 December 2009

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 08/70636

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 39/25; A61K 39/145; C07K 14/04; C07K 14/11 (2008.04)

USPC - 424/230.1; 424/210.1; 435/69.1

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
USPC: 424/230.1; 424/210.1; 435/69.1Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 424/230.1; 424/210.1; 435/69.1; 424/202.1; 424/199.1; 424/206.1; 424/209.1; 424/211.1; 435/235.1 (text search)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Electronic Data Bases: (JPAB, EPAB, PGPB, USPT); Goole Scholar

Search Terms: VZV, gE, gl, chimeric, baculovirus, zoster, Varicella, VLP, virus-like particle, influenza, M1

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LATHAM et al. Formation of wild-type and chimeric influenza virus-like particles following simultaneous expression of only four structural proteins, J Virol, Jul 2001, Vol 75, No 13, pp 6154-6165. Especially abstract.	1-14, 16-30, 32-39, 41-18 and 50
Y	KIMURA et al. Baculovirus expression, purification, and properties of varicella-zoster virus gE, gl, and the complex they form. J Infect Dis., Nov 1998, Vol 178, Suppl 1, pp S13-15. Especially abstract.	1-14, 16-30, 32-39, 41-18 and 50
Y	ALI et al. Influenza virus assembly: effect of influenza virus glycoproteins on the membrane association of M1 protein. J Virol Sept. 2000, Vol 74, No 18, pp 8709-8719. Especially abstract.	3, 18, 34, 43
Y	US 2006/0263804 A1 (ROBINSON et al.) 23 November 2006 (23.11.2006). Especially para [0017-0018], para [0044].	32-39, 41-48 and 50
Y	WO/2007/019247 A2 (MORRISON et al.) 15 February 2007 (15.02.2007). Especially p 30 In 11-14, p 32 In 1-3.	26
Y	BALISH et al., "Avian Influenza Associated with Outbreaks in Indonesia": STRAIN=A/Indonesia/CDC624E/2006. Submitted (AUG-2006) to the EMBL/GenBank/DDBJ databases. Retrieved from the internet: <URL: http://srs.ebi.ac.uk/srsbin/cgi-bin/wgetz.	14, 30, 39 and 48
A	US 2006/0121052 A1 (SOTELO-MORALES et al.) 8 June 2006 (08.06.2006) SEQ ID NO: 3	15, 31, 40 and 49

 Further documents are listed in the continuation of Box C.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

17 October 2008 (17.10.2008)

Date of mailing of the international search report

07 NOV 2008

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