



- (51) **International Patent Classification:**
A61K 9/127 (2006.01) A61K 39/205 (2006.01)
- (21) **International Application Number:**
PCT/US2011/059602
- (22) **International Filing Date:**
7 November 2011 (07.11.2011)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/410,767 5 November 2010 (05.11.2010) US
- (71) **Applicant (for all designated States except US):**
NOVAVAX INC. [US/US]; 9920 Belward Campus Drive,
Rockville, Maryland 20850 (US).
- (72) **Inventors; and**
- (75) **Inventors/Applicants (for US only):** SMITH, Gale
[US/US]; c/o Novavax Inc., 9920 Belward Campus Drive,
Rockville, Maryland 20850 (US). LIU, Ye [US/US]; c/o
Novavax Inc., 9920 Belward Campus Drive, Rockville,
Maryland 20850 (US).
- (74) **Agents:** TUSCAN, Michael, S. et al.; Cooley LLP, 777
6th Street, N.W., Suite 1100, Washington, District of
Columbia 20001 (US).
- (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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) **Title:** RABIES GLYCOPROTEIN VIRUS-LIKE PARTICLES (VLPs)

(57) **Abstract:** The present invention is generally related to virus-like particles (VLPs) comprising rabies virus (RV) glycoproteins (G proteins) and methods for making and using them, including immunogenic compositions such as vaccines for the treatment and/or prevention of rabies virus infection.

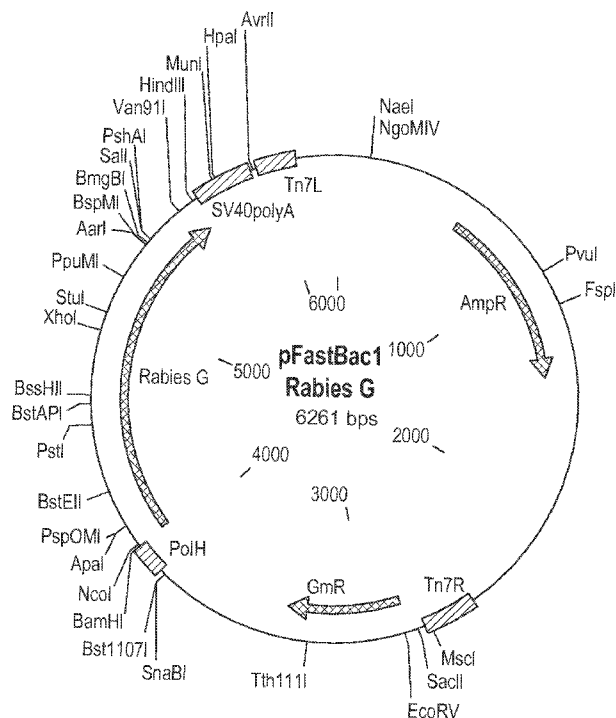


FIG. 1



(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, 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:

14 March 2013