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(71) Applicant *(for all designated States except US)*: **VAX-GEN, INC.** [US/US]; 1000 Marina Blvd., Suite 200, Brisbane, CA 94005-1841 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BERMAN, Phillip, W.** [US/US]; 95 Cheyenne Point, Portola Valley, CA 94028 (US). **JOBES, David, V.** [US/US]; 99 Maple Street, Apt. 1304, Redwood City, CA 94063 (US).

(74) Agents: **QUINE, Jonathan, Alan** et al.; Quine Intellectual Property Law Group, P.C, P.O. Box 458, Alameda, CA 94501 (US).

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(54) Title: HIV-1 ENVELOPE GLYCOPROTEINS HAVING UNUSUAL DISULFIDE STRUCTURE

(57) Abstract: The present invention provides HIV- I envelope glycoproteins having unusual disulfide structure. In particular, the invention includes gpl 20 polypeptides, and polynucleotides encoding such polypeptides, as well as related vectors, host cells, and expression methods. The invention also encompasses immunogenic compositions containing gp120 polypeptides or polynucleotides and their use in eliciting a gp120-specific immune response. gp120 polypeptides and polynucleotides of the invention are also useful in diagnostic methods of the invention.

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