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(54) Title: MODIFIED HIV-1 ENVELOPE PROTEINS

(57) Abstract: The present invention relates to modified HIV-1 envelope proteins which express epitopes that produce a broadly cross reactive neutralizing response, their methods of use and antibodies which bind to these epitopes.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/30563

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **A61K 39/00(2006.01),39/12(2006.01),39/21(2006.01)**

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B. FIELDS SEARCHED
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 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Garrity et al. Refocusing Neutralizing Antibody Response by Targeted Dampening of an Immunodominant Epitope. The Journal of Immunology 1997 July 1, Vol. 159(1), pp. 279-289.	1-28
A	Javaherian et al. Principal neutralizing domain of the human immunodeficiency virus type 1 envelope protein. Proceedings of the National Academy of Sciences of the United States of America (Washington, DC) September 1989, Vol.86, pp.6768-6772.	1-28

Further documents are listed in the continuation of Box C. See patent family annex.

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