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(54) Title: USE OF PARASITIC BIOLOGICAL AGENTS FOR PREVENTION AND CONTROL OF ALLERGIC AND OTHER IGE-MEDIATED DISORDERS

(57) Abstract: The present invention describes using, on a repetitive basis, a non human colonizing helminth compound, in an amount sufficient to establish a transitory parasitic helminth infection and or to simulate in a parasitic helminth infection, thereby having immunosuppressive effect against benign antigens and or stimulating a regulatory immune response characterized by the production of helper cells 2 (Th2), T regulatory helper cells (TREG) and certain cytokines, including, but not limited to interleukin 10 (IL-10), as a therapy or prophylaxis of allergy and other IgE-mediated disorders, which are marked by an inappropriate IgE immune response including, but not limited to an aberrant and or enhanced IgE antibody production to benign antigens. The invention presents using helminth compound by administering it in a frequency and amount sufficient to eliminate or ameliorate the inappropriate immune response in an asthmatic and or allergic individual.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/02822

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A61K 39/395(2006.01),39/002(2006.01)

USPC: 424/265.1,152.1

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)

U.S. : 424/265.1, 152.1

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)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2004/0111522A1 (FOLLANSBEE) 17 June 2004 (17.06.2004), see entire document.	1-18

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:
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search terms: helminth, allergen, allergy, secretion, excretion, contortus, IgE, nematode