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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS OF DETERMINING ALLERGEN RESPONSE USING MICROARRAY IMMUNOASSAY TECHNIQUES

(57) Abstract: The present invention is directed to materials and methods that may be used in diagnosing and/or characterizing allergies. More specifically, the specification describes methods and compositions for making and using a plurality of peptides having allergen epitopes that may be used in immunoassays e.g., microarraybased immunoassays to predict the severity of an allergic response.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/09567

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **C12Q 1/68**(2006.01),**1/00**(2006.01);**B01L 3/00**(2006.01);**G01N 33/00**(2006.01),**15/06**(2006.01),**33/53**(2006.01),**33/563**(2006.01),**33/564**(2006.01),**33/566**(2006.01),**33/543**(2006.01);**C12M 1/34**(2006.01),**3/00**(2006.01)

USPC: 422/50,61,68.1;435/4,7.1,287.2,287.9,288.3;436/501,506,507,513,518,809

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. : 422/50,61,68.1; 435/4,7.1,287.2,287.9,288.3; 436/501,506,507,513,518,809

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)

STN= search terms: allergy, IgE, allergen, array, food allergen, severity and immunological response

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 6,486,311 B1 (Burks, Jr. et al.) 26 November 2002 (26.11.2002), columns 1, 9-15, 23-25, 29 and 31.	1-13, 15-17, 19 and 20 ----- 14, 18, and 21-28
Y	EP 1 195 606 (VBC-Genomics) 10 April 2002 (10.04.2002), paragraphs [0009], [0011]-[0019], [0026]-[0031], [0040], [0050]-[0055]. and Example 1.	14 and 18
Y	WO 02/092125 A1 (Novartis AG) 21 November 2002 (21.11.2002), p4, and Example 1.	21-28

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents:	"T"
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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