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(54) Title: METHODS FOR PREPARING COMPOSITIONS COMPRISING HEAT SHOCK PROTEINS OR ALPHA-2-MACROGLOBULIN

(57) Abstract: The present invention relates to methods and compositions for the prevention and treatment of infectious diseases, and cancers. The methods of the invention comprises complexing a population of antigenic proteins or antigenic peptides derived from antigenic cells or viral particles to one or more different heat shock proteins in vitro. The population or the protein preparation used to produce the antigenic peptides comprises at least 50% of the different proteins or at least 50 different proteins of the antigenic cells or viral particles. Methods for making antigenic peptides comprise digesting a protein preparation of antigenic cells, a cellular fraction thereof, or of viral particles with one or more proteases, or exposing the protein preparation to ATP, guanidium hydrochloride, and/or acidic conditions.



WO 2003/015712 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/26573

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 39/00; C07K 17/00; C12P 21/04
 US CL : 424/277.1; 435/70.1; 530/412

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. : 424/277.1; 435/70.1; 530/412

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 --- A	US 5,747,332 A (WALLEN et al) 5 May 1998 (05.05.1998), column 2-5	1-2,4-5,11-20,26-28,35-36,60,62 ----- 3,6-10,21-25,30-31,33-34,37-59,61,63-67
Y --- A	US 5,947,646 A (SRIVASTAVA et al) 07 September 1999 (07.09.1999), see entire document	39-40,42,43,45-55 ----- 41,44,56-58

Further documents are listed in the continuation of Box C.

See patent family annex.

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"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

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Continuation of Item 4 of the first sheet:

The title is too long.

New Title: METHODS FOR PREPARING COMPOSITIONS COMPRISING HEAT SHOCK PROTEINS OR ALPHA-2-MACROGLOBULIN

Continuation of B. FIELDS SEARCHED Item 3:

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