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(54) Title: COADMINISTRATION OF ALPHA-FETOPROTEIN AND AN IMMUNOMODULATORY AGENT TO TREAT MULTIPLE SCLEROSIS

(57) Abstract: The present invention features methods for treating multiple sclerosis by administering an alpha-fetoprotein polypeptide (or a biologically active fragment, derivative, or analog thereof) and one or more immunomodulatory agents to a patient in need thereof. Also disclosed are compositions and kits that contain an alpha-fetoprotein polypeptide (or a biologically active fragment, derivative, or analog thereof) and one or more immunomodulatory agents.



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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US07/26015

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **A61K 39/00( 2006.01);C07K 19/00( 2006.01),14/555( 2006.01)**  
**A61K 38/00( 2006.01)**  
  
 USPC: **530/350,395;514/2;424/10.2,278.1**  
 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. : 530/350,395;514/2;424/10.2,278.1

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 --- Y	US 5965528 (MURGITA R. A.) 12 October 1999, claims 10-1 columns 1, 14 and 15.	1-5, 9, 11-12, 14, 16, 22-24, 26-32, 36, 38-39 and 56 ----- 1-6, 9-33, 36-45 and 48-56
Y	US 6794410 B2 (WETTSTEIN J.) columns 1-2 and 8, Figure 1, and claim 1	6, 10, 33 and 37
Y	US 6416734 B1 (MURGITA R. A.) 9 July 2002, columns 3-4 and 15-16.	40-45 and 48-55
Y	US 2005/0203023 A1 (MURGITA et al.) 15 September 2005, paragraph [0030].	13, 15 and 17-21.

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

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"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
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"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	

Date of the actual completion of the international search 25 July 2008 (25.07.2008)	Date of mailing of the international search report <b>14 AUG 2008</b>
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# INTERNATIONAL SEARCH REPORT

International application No.  
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Continuation of B. FIELDS SEARCHED Item 3:

Databases: Medline, US Pre-Grant publication Full-Text database, US Patent Full-Text database, EPO Abstracts database, JPO Abstracts database, issued patents AA, pending patents AA and Genebank (for sequence search).

Search terms: alpha fetoprotein, multiple sclerosis, formulation, administration route, and kit (package).