(54) Title: COMPOSITIONS AND METHODS FOR PREVENTING PROTEIN AGGREGATION IN NEURODEGENERATIVE DISEASES

(57) Abstract: Disclosed are methods for treating a disease that involves protein aggregation, including Alzheimer’s, Parkinson’s, prion diseases such as BSE and CJD, and Down’s syndrome. The methods involve administering to a subject suspected of having the disease a very high affinity antibody fragment immunoreactive with the protein that is aggregating. Such treatment will have the effect of preventing, slowing, or halting the disease progression by inhibiting protein aggregation.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : A61K 39/395, 39/40, 39/42; C12N 5/00, 5/02; C12P 21/08; C07K 16/00
US CL : 424/133.1, 130.1, 139.1; 530/387.3, 387.9; 435/375
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. : 424/133.1, 130.1, 139.1; 530/387.3, 387.9; 435/375

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)
MEDLINE, EMBASE, CAPLUS, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
</table>

Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search
16 May 2003 (16.05.2003)

Date of mailing of the international search report
02 JUN 2003

Name and mailing address of the ISA/US
Mail Stop PCT, Attn: ISA/US Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
Facsimile No. (703)305-2230

Authorized officer
Olga N. Chernyiyshev
Telephone No. (703) 308-0196

Form PCT/ISA/210 (second sheet) (July 1998)