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Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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(54) Title: COMPOSITIONS AND METHODS FOR THE PREVENTION AND TREATMENT OF HUNTINGTON'S DISEASE

(57) Abstract: The present invention provides compositions and methods for the prevention and treatment of a neurodegenerative disease, specifically Huntington's disease. In particular, the invention provides single-stranded, modified oligonucleotides for the targeted alteration of the genetic sequence of the Huntington's disease gene, and methods of treating or preventing Huntington's disease using the same.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/25352

A. CLASSIFICATION OF SUBJECT MATTER
 IPC(7) : C12Q 1/68; C07H 21/04; C12N 15/85
 US CL : 435/ 6, 91.1, 325, 366, 375; 536/ 23.1, 24.31, 24.33, 24.5
 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. : 435/ 6, 91.1, 325, 366, 375; 536/ 23.1, 24.31, 24.33, 24.5

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)
 DIALOG (MEDLINE, BIOSIS); WEST

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	NELLEMANN et al. Inhibition of Huntingtin Synthesis by Antisense Oligonucleotides. Molecular and Cellular Neuroscience. October 2000, Vol. 16, pages 313-323, see entire document.	1-8, 19-35
A	BOADO et al. Antisense-Mediated Down-Regulation of the Human Huntingtin Gene. The Journal of Pharmaceutical and Experimental Therapeutics. October 2000, Vol. 295, No. 1, pages 239-243, see entire document.	1-8, 19-35
A	HAQUE et al. Antisense Gene Therapy for Neurodegenerative Disease? Experimental Neurology. March 1997, Vol. 144, pages 139-146, see entire document.	1-8, 19-35

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

* Special categories of cited documents:	"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
"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	

Date of the actual completion of the international search: 05 December 2002 (05.12.2002)
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/25352

Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claim Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claim Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claim Nos.: 9-18
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

- Remark on Protest**
- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.