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(71) Applicant (for all designated States except US): **OREGON HEALTH AND SCIENCE UNIVERSITY** [US/US]; Office of Technology & Research Collaborations, 2525 SW First Avenue, Suite #120, Portland, OR 97201 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SOUMYANATH, Amala** [GB/US]; 6477 SW Parkhill Way, Portland, OR 97239 (US). **GOLD, Bruce, G.** [US/US]; 6320 Haverhill Court, West Linn, OR 97068 (US). **GOLD, Sandra** [US/US]; 6320 Haverhill Court, West Linn, OR 97068 (US). **ZHONG, Yong-Ping** [CN/US]; 3065 NW 159th Terrace, Beaverton, OR 97006 (US). **BOURDETTE, Dennis** [US/US]; 10627 SW Hood Avenue, Portland, OR 97219 (US).

(74) Agent: **RUPERT, Wayne, W.**; Klarquist Sparkman, LLP, One World Trade Center, 121 SW Salmon Street, Suite 1600, Portland, OR 97204 (US).

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Published:

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- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

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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 AND COMPOSITIONS FOR NERVE REGENERATION

(57) Abstract: A method of promoting nerve regeneration in a subject that includes administering to the subject a therapeutically effective amount of a composition that includes at least one therapeutically-active extract fraction of *Centella asiatica*. One example of making the extract fraction of *Centella asiatica* involves extracting *Centella asiatica* plant material resulting in an extract residue and successively fractionating the *Centella asiatica* extract residue with at least two eluants of increasing polarity.



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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

A61K35/78

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)

A61K

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	RAO M K G ET AL: "Role of Centella asiatica leaf extract in enhancing the dendritic arborization and memory retention in rats" INDIAN JOURNAL OF PHARMACOLOGY, vol. 33, no. 4, August 2001 (2001-08), page 299, XP009057934 XXXIII ANNUAL CONFERENCE OF THE INDIAN PHARMACOLOGICAL SOCIETY; GANDHINAGAR, INDIA; DECEMBER 28-30, 2000 ISSN: 0253-7613 abstract ----- -/--	1-31

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"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)

"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

"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

"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

"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.

"&" document member of the same patent family

Date of the actual completion of the international search

29 November 2005

Date of mailing of the international search report

23/12/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Ganschow, S

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US2005/021150

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 12, 5 December 2003 (2003-12-05) & JP 2004 059455 A (TOBINAGA KIYOTERU), 26 February 2004 (2004-02-26) the whole document	1-31
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07, 29 September 2000 (2000-09-29) & JP 2000 109498 A (TOBINAGA KIYOTERU), 18 April 2000 (2000-04-18) the whole document	1-13, 23-27, 30,31
X	HOWES M-J R ET AL: "Plants used in Chinese and Indian traditional medicine for improvement of memory and cognitive function" PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR 2003 UNITED STATES, vol. 75, no. 3, 2003, pages 513-527, XP009057953 ISSN: 0091-3057 the whole document	1-13,26, 27,30,31
X	WO 00/33659 A (UNIVERSITY OF WASHINGTON) 15 June 2000 (2000-06-15) claims 1,18-20	1-13,26, 27,30,31
X	VEERENDRA KUMAR M H ET AL: "Effect of Centella asiatica on cognition and oxidative stress in an intracerebroventricular streptozotocin model of Alzheimer's disease in rats." CLINICAL AND EXPERIMENTAL PHARMACOLOGY & PHYSIOLOGY. 2003 MAY-JUN, vol. 30, no. 5-6, May 2003 (2003-05), pages 336-342, XP002356518 ISSN: 0305-1870 the whole document	1-13,26, 27,30,31
X	FR 2 848 117 A (ROCHE CONSUMER HEALTH LTD) 11 June 2004 (2004-06-11) claims 1-9,11	23-27, 30,31
X	EP 0 867 447 A (DONG KOOK PHARMACEUTICAL CO., LTD) 30 September 1998 (1998-09-30) the whole document	23-27, 30,31
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/021150

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BRINKHAUS B ET AL: "CHEMICAL, PHARMACOLOGICAL AND CLINICAL PROFILE OF THE EAST ASIAN MEDICAL PLANT CENTELLA ASIATICA" PHYTOMEDICINE, GUSTAV FISCHER VERLAG, STUTTGART, DE, vol. 7, no. 5, October 2000 (2000-10), pages 427-448, XP001099148 ISSN: 0944-7113 the whole document -----	1-31

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/021150

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

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

1. ☒ Claims Nos.: —
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-22 and 28-29 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims 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. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/021150

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