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(54) Title: TRYPTOPHAN SOURCE FROM PLANTS AND USES THEREFOR

(57) Abstract: Compositions are described comprising at least partially defatted meal from a plant source containing protein-bound tryptophan, preferably squash seeds, and, optionally, a carbohydrate source provided in an amount capable of facilitating transport of *in vivo* generated tryptophan across the blood brain barrier. Also described are dietary supplements, foods and beverages comprising the composition of the invention to induce sleep or provide tryptophan supplementation to individuals in need thereof.

INTERNATIONAL SEARCH REPORT

In International Application No
 F... JA 01/00736

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A23L1/30 A23L1/305 A21D2/24 A21D2/26 A21D2/36

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)
 IPC 7 A23L A61K A21D

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)
 WPI Data, EPO-Internal, PAJ, FSTA, 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	EP 0 147 699 A (NESTLE SA) 10 July 1985 (1985-07-10) page 2, line 4-19 page 5, line 6 -page 6, line 4 examples 9-12 claims 1,2,4,6	1-3, 5, 6, 8-11, 15, 16, 19, 23-25, 30-32
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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	*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
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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)	*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.
O document referring to an oral disclosure, use, exhibition or other means	*G* 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 30 January 2002	Date of mailing of the international search report 18/02/2002
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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 Piret-Viprey, E
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INTERNATIONAL SEARCH REPORT

International Application No

F/CA 01/00736

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 968 519 A (YOUSSEFYEH PARVIN ET AL) 19 October 1999 (1999-10-19) column 13, line 35-39 column 14, line 10-17 column 17, line 24-28 ---	1-3,8, 11,15, 16,19, 23-25, 30-32
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.1

Although claims 17-22 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the composition.

Continuation of Box I.1

Rule 39.1(iv) PCT - Method for treatment of the human or animal body by therapy

INTERNATIONAL SEARCH REPORT

 Int. Patent Application No
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