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(54) Title: LEAVES EXTRACT OF PANAX SP., A PROCESS OF MAKING THE SAME AND USES THEREOF

(57) Abstract: The present invention relates to a composition for improvement of exercise performance, fatigue recovery or prevention of oxidation response comprising Panax species plant leaves extract or processed product of the leaves extract, or mixture of the both as an active ingredient. The present composition comprising Panax species plant leaves extract or processed product of the leaves extract, or mixture of the both increases the exercise performance, inhibit the accumulation of fatigue markers in blood and prevents oxidation response, and thus is useful to improve physical strength and exercise capacity.



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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC⁸: **A61K 36/258** (2006.01)

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)

IPC⁸: 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 practicable, search terms used)

WPI, EPODOC, TXTE, TXTG, TXTWOT, TXTJPT

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0184129 A1 (WOO et al.) 9 August 2007 (09.08.2007) <i>paragraph [0025],[0029]; tables 1-3; examples; claims</i>	1,2,4,6-8,10-14,19,23,28,30,32-34,36-39,41,45,46
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X	US 6083932 A (PANG et al.) 4 July 2000 (04.07.2000) <i>claims 1-7,14-16</i>	1-3,12,19,23,28,29,37,41
	--	
X	KR 2002/0087787 A (KOREA GINSENG CORP.) 23 November 2002 (23.11.2002) <i>abstract; online-translation of KIPO</i>	1-3,12,19,23,28,29,37,41
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 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

"E" earlier application or patent 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
30 September 2009 (30.09.2009)Date of mailing of the international search report
13 October 2009 (13.10.2009)Name and mailing address of the ISA/ AT
Austrian Patent Office
Dresdner Straße 87, A-1200 ViennaAuthorized officer
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Continuation of first sheet**Continuation No. 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. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

Claims Nos.: 23,24,28-40,45-47 because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 23,24,28-40 and 45-47 refer to a method of treatment of the human/animal body by therapy, an examination has been carried out and bases on the alleged effects.

Claims Nos.: 15-17,25-27,42-44 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:

A composition (claims 15-17) can only be sufficiently characterized by disclosure of their components. Effects/activity profiles characterize a product/a use merely in an insufficient manner. Use claims (claims 25-27) resp. Swiss-type claims (claims 42-44) should therefore refer to a concrete medical indication. Terms such as "enhancing VO₂ max", "reducing the levels of one or more fatigue markers", "inhibiting NO or SOD oxidation or enhancing GPx activity" do not denote such a concrete medical indication.

Continuation No. 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., Claims 1-23,28-41,45,46
- 2., Claims 1-22,28-40
- 3., Claims 24,28-41,45,47
- 4., Claims 25,28-40,42
- 5., Claim 26,28-40,43
- 6., Claim 27-40,44

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR 2009/000778

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2005/030235 A1 (WAKUNAGA PHARMACEUTICAL CO., LTD.) 7 April 2005 (07.04.2005) <i>online-translation of the JPO, in particular claims 1,12</i>	1,12,19,22,24,4 1,45,47
X	-- WO 2007/131677 A1 (BAYER CONSUMER CARE AG) 22 November 2007 (22.11.2007) <i>page 3, lines 3-7,15,16; page 5, lines 29-30; claims 1,4,5,6,10-12</i>	1-4,8,12,18, 19,22,24, 28-30,34,37, 40,41,45,47
X	-- WO 2005/016362 A1 (YUYU INC.) 24 February 2005 (24.02.2005) <i>page 9, lines 11-16; page 10, line 1-13; tables 1-3; experimental example 3; claims 1,4,5</i>	1-3,8-10,12, 18-20,22,23, 28,29,34,35, 37,40,41,45, 46

INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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