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[Continued on next page]

(54) Title: THERAPEUTIC USE OF CHARDONNAY SEED PRODUCTS

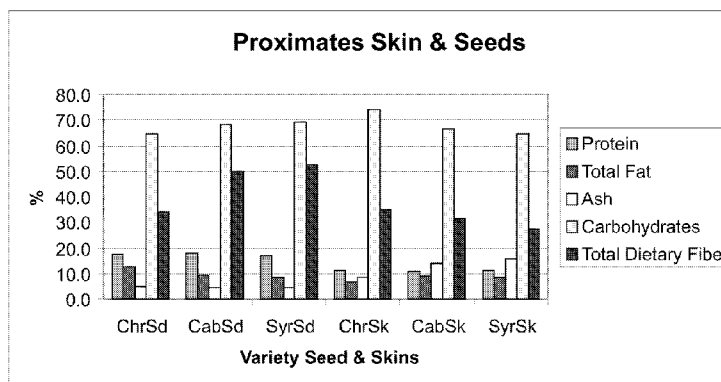


FIGURE 1

(57) Abstract: The present disclosure relates to health benefits of Chardonnay seed products.

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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 (Rule 48.2(h))*

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3 January 2014

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
 INV. A61K36/87 A61P9/00 A61P3/04 A61P3/06
 ADD.
 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 A61P
 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)
 EPO-Internal, FSTA, WPI Data, PAJ, 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	DECORDE K. ET AL.: "Chardonnay grape seed procyanidins prevent obesity in hamsters.", AGRO FOOD INDUSTRY HI-TECH 2009, vol. 20, no. 6, 1 January 2009 (2009-01-01), pages 24-26, XP009171624, AGRO FOOD INDUSTRY HI-TECH 2009 CORRESPONDENCE ADDRESS, J. M. ROUANET, UMR 204 PREVENTION DES MALNUTR. ET DES PATH. ASSOCIEES, UNIV. MONTPELLIER SUD DE FRANCE, FRANCE page 25; table 3 ----- -/--	1-14,19, 21,22, 24-26, 34-37

Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"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</p> <p>"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</p> <p>"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</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 4 November 2013	Date of mailing of the international search report 13/11/2013
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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, Fax: (+31-70) 340-3016	Authorized officer Thalmair-De Meyere
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/038696

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>KELLY DÉCORDÉ ET AL: "Chardonnay grape seed procyanidin extract supplementation prevents high-fat diet-induced obesity in hamsters by improving adipokine imbalance and oxidative stress markers", MOLECULAR NUTRITION & FOOD RESEARCH, vol. 53, no. 5, 26 November 2008 (2008-11-26), pages 659-666, XP55073547, DE ISSN: 1613-4125, DOI: 10.1002/mnfr.200800165 page 663; table 3</p>	1-14,19, 21,22, 24-26, 34-37
X	<p>AUGER CYRIL ET AL: "Polyphenols-enriched Chardonnay white wine and sparkling Pinot Noir red wine identically prevent early atherosclerosis in hamsters.", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY 14 DEC 2005, vol. 53, no. 25, 14 December 2005 (2005-12-14), pages 9823-9829, XP009171628, ISSN: 0021-8561 the whole document</p>	3-5,19, 22,23, 26,34-37
X	<p>DATABASE TCM [Online] WIPO; 1 October 2008 (2008-10-01), Tamura, Takayuki: "Method for preparing fruit with enhanced GAMMA-aminobutyric acid having blood pressure lowering, tranquilizing, and obesity preventing effects", XP002708065, Database accession no. CN-200680035339-A the whole document & CN 101 277 616 A (MERCIAN CORP [JP]) 1 October 2008 (2008-10-01)</p>	3,11,12, 22
Y	<p>WO 2005/048719 A1 (WISCONSIN ALUMNI RES FOUND [US]; FOLTS JOHN D [US]; SHANMUGANAYAGAM DH) 2 June 2005 (2005-06-02) the whole document</p>	1-14, 19-37
Y	<p>FLECHTNER-MORS M ET AL: "Effects of moderate consumption of white wine on weight loss in overweight and obese subjects", INTERNATIONAL JOURNAL OF OBESITY, vol. 28, no. 11, November 2004 (2004-11), pages 1420-1426, XP009171633, ISSN: 0307-0565 the whole document</p>	1-14, 19-37
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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2013/038696

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>LANDRAULT N ET AL: "Antioxidant capacities and phenolics levels of French wines from different varieties and vintages.", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY JUL 2001, vol. 49, no. 7, July 2001 (2001-07), pages 3341-3348, XP009171627, ISSN: 0021-8561 figure 4; table 3</p>	1-14, 19-37
X	<p>-----</p> <p>JOOSTEN M M ET AL: "Moderate alcohol consumption increases insulin sensitivity and ADIPOQ expression in postmenopausal women: a randomised, crossover trial", DIABETOLOGIA ; CLINICAL AND EXPERIMENTAL DIABETES AND METABOLISM, SPRINGER, BERLIN, DE, vol. 51, no. 8, 27 May 2008 (2008-05-27), pages 1375-1381, XP019618455, ISSN: 1432-0428 page 1376 page 1379</p>	3-14,19, 22,23, 26,31, 34-37
X	<p>-----</p> <p>LANDRAULT NICOLAS ET AL: "Effect of a polyphenols-enriched Chardonnay white wine in diabetic rats", JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, AMERICAN CHEMICAL SOCIETY, US, vol. 51, no. 1, 1 January 2003 (2003-01-01), pages 31-318, XP009173660, ISSN: 0021-8561 page 315</p>	2,3, 11-14, 19-37
Y	<p>-----</p> <p>KOKAVEC A ET AL: "Effect on Plasma Insulin and Plasma Glucose of Consuming White Wine Alone after a Meal", ALCOHOLISM: CLINICAL AND EXPERIMENTAL RESEARCH 200311 US, vol. 27, no. 11, November 2003 (2003-11), pages 1718-1723, XP009173677, ISSN: 0145-6008 the whole document</p> <p>-----</p>	1-14, 19-37

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/038696

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

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 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:

see additional sheet

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 fees, this Authority did not invite payment of additional fees.

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.:

2, 3, 11-14(completely); 19-37(partially)

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 and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2013/038696

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005048719 A1	02-06-2005	US 2005129790 A1 WO 2005048719 A1	16-06-2005 02-06-2005

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1, 4-10(completely); 3, 19-37(partially)

A method of treating or preventing a Dyslipidemia or Obesity or a Dyslipoproteinemia or a Cardiovascular Disease or of increasing lipid metabolism, comprising administering an amount of Chardonnay seed product.

2. claims: 2, 11-14(completely); 3, 19-37(partially)

A method of treating or preventing a Glucose Metabolism Disorder or a Metabolic syndrome or increasing Metabolic rate, comprising administering an amount of Chardonnay seed product.

3. claims: 15-18, 38-57(completely); 19-37(partially)

A method of increasing the amount of Clostridium bacteria or of Bacteroides fragilis group bacteria or of decreasing the amount of Enterobacteriaceae bacteria in the gut of a mammal, comprising administering an amount of Chardonnay seed product.

A method of treating or preventing lactic acidosis in a mammal or in an infant, comprising administering an amount of Chardonnay seed product.

An infant formula comprising a Chardonnay seed product.
