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(54) Title: FOOD, PARTICULARLY A BEVERAGE FOR HUMAN CONSUMPTION

(57) Abstract: Food, particularly a beverage for human consumption, the ingestion of which enhances cognitive processes such as intelligence, memory, creativity and mood, and/or produces energizing effects. Said food is composed of a composition dilutable or diluted in a liquid or semi-liquid solution, which composition comprises at least one nootropic substance, preferably a cholinergic nootropic substance that is a substance involved in the formation and/or functioning of the acetylcholine neurotransmitter in combination with L- theanine.

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A. CLASSIFICATION OF SUBJECT MATTER INV. A23L1/30 A23L2/385 A23L2/52 A61P25/28 ADD.		
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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2010/021533 A1 (MAZED MOHAMMAD A [US] ET AL) 28 January 2010 (2010-01-28) paragraphs [0010], [0338]; claims 1,2,6,11; examples 1-5 -----	1-24
X	US 2009/041911 A1 (GAMAY ALY [US]) 12 February 2009 (2009-02-12) paragraphs [0018], [0022], [0025], [0041], [0049], [0088], [0097], [0100]; claims 1,7,10,16,58; examples 1-9 -----	1-24
X	WO 03/101225 A1 (SUOMEN RAVITSEMUSINST TI OY [FI]; LAEHTEENMAEKI PERTTI [FI]) 11 December 2003 (2003-12-11) page 17, line 20 - page 20, line 25; claims 1,7,9,10,13,14,16; table 1 ----- -/--	1-24
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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2012/052112

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 2007/106473 A2 (HERSHEY COMPANY [US]; NAIR MALATHY [US]; KOHR TIM J [US]; CESSNA KRIST) 20 September 2007 (2007-09-20) paragraphs [0010], [0040], [0057], [0060], [0086], [0089], [0093]; claims 1,9,21, 27	1-24
X,P	WO 2011/120969 A1 (HUBER JOHANNES [AT]; HOCHEGGER PAUL [AT]) 6 October 2011 (2011-10-06) page 2, paragraph 6; claims 1-12; example 1	1-24
X	US 6 261 589 B1 (PEARSON DURK [US] ET AL) 17 July 2001 (2001-07-17) column 2, line 34 - column 5, line 26; claims 1-3	1-24
X	WO 2005/006890 A2 (FOREST CARL A [US]; MCCLEARY EDWARD LARRY [US]; MCCLEARY CHRISTINE [US]) 27 January 2005 (2005-01-27) page 43, line 25 - page 51, line 18; claims 1,4; tables x,xi page 52, line 16 - page 57, line 27	1-24
X	EP 1 854 486 A2 (BIEGER WILFRIED P [DE]) 14 November 2007 (2007-11-14) claims 1-5; examples 1-8	1-24
X	JP 2004 075618 A (YAIZU SUIKAGAKU IND CO LTD) 11 March 2004 (2004-03-11) abstract	1,2,4-24
X	KR 2011 0036329 A (AMOREPACIFIC CORP [KR]) 7 April 2011 (2011-04-07) abstract	1-24
A	DE 10 2007 030495 A1 (ALZCHEM TROSTBERG GMBH [DE]) 15 January 2009 (2009-01-15) paragraphs [0001], [0024]; claims 1,4,10; example 1	1-24
A	WO 2005/070236 A1 (COUNCIL SCIENT IND RES [IN]; BORSE BABASAHEB BHASKARRAO [IN]; RAMALAKS) 4 August 2005 (2005-08-04) page 1, lines 4-7; claims 1,8; examples 1,2	1-24
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INTERNATIONAL SEARCH REPORT

International application No
PCT/IB2012/052112

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 2009/065119 A2 (BIO CLINICAL DEV INC [US]; BHARGAVA MANOJ [US]) 22 May 2009 (2009-05-22) page 1, line 8 - page 2, line 21; claims 1,20; examples 1-4 page 10, lines 10-19 page 4, lines 13-25</p> <p style="text-align: center;">-----</p>	1-24
A	<p>US 2010/297297 A1 (HANGER MCCARTHY [US]) 25 November 2010 (2010-11-25) paragraphs [0031] - [0034], [0050] - [0052]; claims 1,5,14; example 1</p> <p style="text-align: center;">-----</p>	1-24
A	<p>LEWIS W H ET AL: "Ritualistic use of the holly Ilex guayusa by Amazonian Jivaro Indians", JOURNAL OF ETHNOPHARMACOLOGY, ELSEVIER SCIENTIFIC PUBLISHERS LTD, IE, vol. 33, no. 1-2, 1 May 1991 (1991-05-01), pages 25-30, XP025565786, ISSN: 0378-8741, DOI: 10.1016/0378-8741(91)90156-8 [retrieved on 1991-05-01] the whole document</p> <p style="text-align: center;">-----</p>	1-24
A	<p>RU 2 339 395 C1 (G OBRAZOVATEL NOE UCHREZHDENIE [RU]) 27 November 2008 (2008-11-27) abstract</p> <p style="text-align: center;">-----</p>	18-24

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2012/052112

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2010021533	A1	28-01-2010	NONE
US 2009041911	A1	12-02-2009	NONE
WO 03101225	A1	11-12-2003	AT 520317 T 15-09-2011 AU 2003233835 A1 19-12-2003 CA 2487588 A1 11-12-2003 CN 1665406 A 07-09-2005 EP 1551239 A1 13-07-2005 HK 1080337 A1 27-01-2012 JP 2005527234 A 15-09-2005 US 2006134299 A1 22-06-2006 WO 03101225 A1 11-12-2003
WO 2007106473	A2	20-09-2007	BR PI0708877 A2 14-06-2011 CA 2645419 A1 20-09-2007 EP 1998635 A2 10-12-2008 JP 2009529874 A 27-08-2009 KR 20080109773 A 17-12-2008 US 2007254068 A1 01-11-2007 US 2008038409 A1 14-02-2008 WO 2007106473 A2 20-09-2007
WO 2011120969	A1	06-10-2011	EP 2464249 A1 20-06-2012 WO 2011120969 A1 06-10-2011
US 6261589	B1	17-07-2001	NONE
WO 2005006890	A2	27-01-2005	AU 2004257756 A1 27-01-2005 EP 1643863 A2 12-04-2006 WO 2005006890 A2 27-01-2005
EP 1854486	A2	14-11-2007	EP 1835287 A2 19-09-2007 EP 1854486 A2 14-11-2007
JP 2004075618	A	11-03-2004	JP 4422392 B2 24-02-2010 JP 2004075618 A 11-03-2004
KR 20110036329	A	07-04-2011	KR 20110036329 A 07-04-2011 WO 2011040697 A1 07-04-2011
DE 102007030495	A1	15-01-2009	NONE
WO 2005070236	A1	04-08-2005	AU 2003288633 A1 11-08-2005 CN 1909806 A 07-02-2007 EP 1696747 A1 06-09-2006 GB 2429626 A 07-03-2007 JP 4439011 B2 24-03-2010 JP 2007528198 A 11-10-2007 US 2007275149 A1 29-11-2007 WO 2005070236 A1 04-08-2005
WO 2009065119	A2	22-05-2009	AU 2008322414 A1 22-05-2009 CA 2704481 A1 22-05-2009 CN 101873807 A 27-10-2010 EP 2214521 A2 11-08-2010 JP 2011502539 A 27-01-2011 RU 2010119181 A 27-12-2011

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/IB2012/052112

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
		US 2010285179 A1	11-11-2010
		WO 2009065119 A2	22-05-2009

US 2010297297	A1	25-11-2010	NONE

RU 2339395	C1	27-11-2008	NONE
