(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
8 October 2009 (08.10.2009)

PCT

(10) International Publication Number
WO 2009/123982 A3

(51) International Patent Classification:
A01N 63/00 (2006.01) *C07K 14/435* (2006.01)

(21) International Application Number:
PCT/US2009/038822

(22) International Filing Date:
30 March 2009 (30.03.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/041,097 31 March 2008 (31.03.2008) US

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ,

[Continued on next page]

(54) Title: TRANSIENTLY BUFFERED LACTOBACILLUS PREPARATIONS AND USE THEREOF

(57) Abstract: The present invention relates to methods and compositions for Lactobacillus Replacement Therapy (LRT). Methods for improved stability and recovery of dried bacterial preparations are also provided.

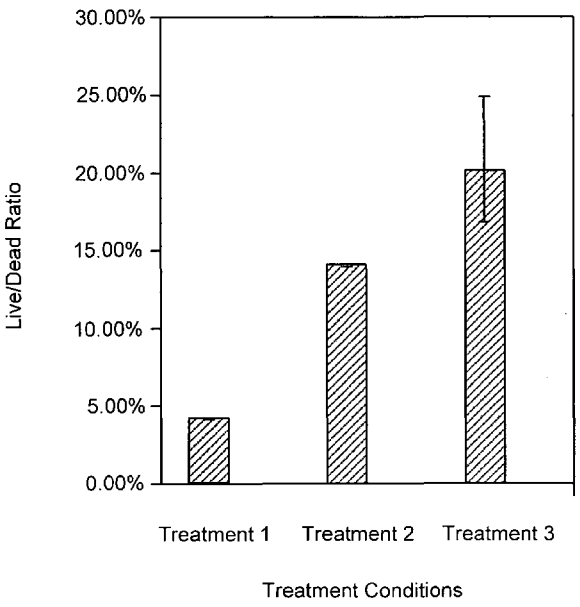


FIG. 4

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TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*

— *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))*

(88) Date of publication of the international search report:
18 February 2010

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 09/38822

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A01N 63/00; C07K 14/435 (2009.01)
USPC - 424/93.1; 424/93.2
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)
USPC 424/93.1; 424/93.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
All USPC; USPC 424/93.1; 424/93.2; IPC A01N 63/00; C07K 14/435 (text search)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST(USPT,PGPB,EPAB,JPAB); Google. Search terms used: @PD<20080331; buffer; vagina$; dried; dry; dehydrated; Lactobacillus; pka; crispatus; jensenii; gasseri; disodium hydrogen phosphate; Na2HP04; phosphate salt$; NaHC03 ; sodium bicarbonate; arginine; rehydrat$; reconsti$; HCl; hydrochloric acid; johnsonii; fermentum; vaginalis; etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0090365 A1 (Chrisope) 11 July 2002 (11.07.2002). para [0005], [0009]-[0010], [0013], [0015], [0021]-[0022], [0030], [0041], [0061], [0071], [0137]-[0138]	1-35
Y	US 5,592,949 A (Moench, et al) 14 January 1997 (14.01.1997), Abstract; col 2, ln 39-49; col 6, ln 29-45; col 8, ln 30-40; col 10, ln 36-52	1-35
Y	US 2006/0182786 A1 (Rademacher) 17 August 2006 (17.08.2006), para [0006], [0014], [0020]-[0025], [0031], [0055]; Claim 7, 15	1-35
Y	US 2004/0253217 A1 (Samuelsson, et al) 16 December 2004 (16.12.2004), Abstract; para [0009], [0019], [0027]-[0028], [0038]	5, 27

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"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	Date of mailing of the international search report
11 December 2009 (11.12.2009)	23DEC 2009
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774

Form PCT/ISA/210 (second sheet) (July 2009)