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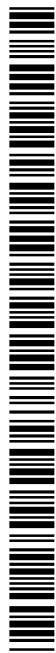


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- (71) Applicant (for all designated States except US): **PROBIO HEALTH** [US/US]; 2013 Kerwood Avenue, Los Angeles, CA 90025 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **NAIDU, A., Satyanarayan** [IN/US]; 28810 Mountain Laurel Way, Diamond Bar, CA 91765 (US).
- (74) Agents: **CULLMAN, Louis, C.** et al.; Oppenheimer Wolff & Donnelly LLP, 840 Newport Center Drive, Suite 700, Newport Beach, CA 92660-7007 (US).
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— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)
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**WO 02/058712 A3**

(54) Title: PROBIOTIC COMPOUNDS DERIVED FROM LACTOBACILLUS CASEI STRAIN KE01

(57) Abstract: Probiotic compositions are provided that comprise Lactobacillus casei strain KE01 having ATCC accession number. The disclosed probiotic compositions are useful in inhibiting enteric pathogen diseases in animals and in maintaining animal health. Methods of making and using Lactobacillus casei strain KE01 probiotic compositions are also disclosed as are methods of using these probiotic compositions.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 01/48707

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K35/74 A61P1/12 A61P1/04

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 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 practical, search terms used)

EPO-Internal, CHEM ABS Data, EMBASE, MEDLINE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98 55131 A (ESSUM AB ;GRAHN HAAKANSSON EVA (SE); HAAKANSSON STELLAN (SE)) 10 December 1998 (1998-12-10) claims 1-12 ---	1-33
A	US 5 705 160 A (REID GREGOR ET AL) 6 January 1998 (1998-01-06) the whole document ---	1-33
A	TUOMOLA E M ET AL: "THE EFFECT OF PROBIOTIC BACTERIA ON THE ADHESION OF PATHOGENS TO HUMAN INTESTINAL MUCUS" FEMS IMMUNOLOGY AND MEDICAL MICROBIOLOGY, ELSEVIER SCIENCE B.V., AMSTERDAM, NL, vol. 26, 1999, pages 137-142, XP000979893 ISSN: 0928-8244 the whole document --- -/--	1-33



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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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

Siatou, E

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International Application No

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## 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>TUOMOLA E: "ADDITION OF SOME PROBIOTIC AND DAIRY LACTOBACILLUS STRAINS TO CACO-2 CELL CULTURES" INTERNATIONAL JOURNAL OF FOOD MICROBIOLOGY, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 41, no. 1, January 1998 (1998-01), pages 45-51, XP002115137 ISSN: 0168-1605 the whole document</p>	1-33
A	<p>SALMINEN S ET AL: "CLINICAL USES OF PROBIOTICS FOR STABILIZING THE GUT MUCOSAL BARRIER SUCCESSFUL STRAINS AND FUTURE CHALLENGES" ANTONIE VAN LEEUWENHOEK, DORDRECHT, NL, vol. 70, no. 2/4, 1996, pages 347-358, XP000876606 cited in the application the whole document</p>	1-33
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A	<p>A. C. OUWEHAND ET AL: "Adhesion of inactivated probiotic strains to intestinal mucus" LETTERS IN APPLIED MICROBIOLOGY, vol. 31, no. 1, June 2000 (2000-06), pages 82-86, XP002228513 the whole document</p>	1-33

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Information on patent family members

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