

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
16 August 2007 (16.08.2007)

PCT

(10) International Publication Number  
**WO 2007/092452 A3**

(51) International Patent Classification:  
A61K 31/695 (2006.01) A61K 36/61 (2006.01)

(21) International Application Number:  
PCT/US2007/003163

(22) International Filing Date: 3 February 2007 (03.02.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/765,461 3 February 2006 (03.02.2006) US  
60/811,401 6 June 2006 (06.06.2006) US

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, 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, LV, LY, MA, MD, 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, 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, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, 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

(88) Date of publication of the international search report:  
21 December 2007

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2007/092452 A3

(54) Title: FORMULATION AND METHOD OF USE FOR ANIMAL EAR TREATMENT AND HOMEOPATHIC ANIMAL EAR TREATMENT

(57) Abstract: An animal ear treatment solution is formulated with an organosilane polymer antimicrobial in a concentration of approximately 0.25% to approximately 3.0% by weight, a surfactant or homeopathic active ingredient, and an optional holistic antiseptic such as green tea oil or eucalyptus oil. The solution is formulated to have a pH of about 10 but less than 12. Weekly application of the solution within an animal's ear canal allows the organosilane polymer antimicrobial to attach to tissue within the ear canal, forming a mechanical barrier against growth of bacteria on such tissue. The holistic antiseptic, if present within the solution, acts to destroy bacteria within the ear canal.

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US 07/03163

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(B) - A61K 31/695 (2007.01); A61K 36/61 (2007.01);  
 USPC - 514/63; 424/729; 424/742  
 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: 514/63; 424/729; 424/742

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
 USPC: 514/63; 424/729; 424/742

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
 PubWest; PGPE, USPT, USOC, EPAB, JPAB; Google Scholar; Google Patents;  
 Text: Organosilane; polymer; antimicrobial; antibiotic; antiseptic; surfactant; soap; eucalyptus; calendula; rhus toxicodendron; pH; water; homeopathic; animal; ear

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X — Y	US 6,813,765 B2 (PETERSON et al.) 02 September 2003 (02.09.2003). Col 1, ln 17-23; col 8, ln 8-10; col 9, ln 58-60; col 18, ln 48; col 7, ln 4-8; col 16, ln 63-64.	1, 2 and 7-9 3-6 and 10-20
Y	US 2003/0048212 A1 (ROBINSON et al.) 13 March 2003 (13.03.2003). Para [0076], [0100], [0215], [0134].	3-6 and 10-20
Y	US 2003/0003140 A1 (DOMB et al.) 02 January 2003 (02.01.2003). Para [0143].	18
Y	FRIESE et al. "Acute otitis media in children. Comparison between conventional and homeopathic therapy" HNO, August 1996, Vol 44, No 8, pg. 462-8. Abstract only.	18

Further documents are listed in the continuation of Box C.

\* Special categories of cited documents:  
 "A" document defining the general state of the art which is not considered to be of particular relevance  
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Date of the actual completion of the international search: 13 July 2007 (13.07.2007)  
 Date of mailing of the international search report: 28 SEP 2007

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 Authorized officer: Lea W. Young (Signature)