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

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.
### A. CLASSIFICATION OF SUBJECT MATTER

- IPC(5) - A61K 31/865 (2007.01); A61K 38/81 (2007.01); USPC - 514/683; 424/722; 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: 514/683; 424/722; 424/742

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC: 514/683; 424/722; 424/742

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWest; PGDB, USPT, USOC, EPAB, JPAB; Google Scholar; Google Patents; Text: Organosilanes polymer; antimicrobial; antibiotic; antiseptic; surfactant; soap; acetylsalicylic acid; calendar; thus toscadendron; pH; water; homoeopathic; animal; war

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 6,613,765 B2 (PETERSON et al.) 02 September 2003 (02.09.2003). Col 1, in 17-23; col 6; in 8-10; col 9, in 58-60; col 16, in 48; col 7, in 4-46; col 16, in 63-84.</td>
<td>1, 2 and 7-9</td>
</tr>
<tr>
<td>Y</td>
<td>US 2003/0046312 A1 (ROBINSON et al.) 13 March 2003 (13.03.2003). Para [0076], [0105], [0213], [0314].</td>
<td>3-6 and 10-20</td>
</tr>
</tbody>
</table>

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
  - "B" earlier application or patent but published on or after the international filing date
  - "C" 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)
  - "D" document relating to an essentielly technical subject other than that of the invention
  - "E" document published prior to the international filing data but later than the priority data claimed

- "F" later document published after the international filing data or priority data and yet in conflict with the application but added to understand the principle or theory underlying the invention
  - "X" document of particular relevance; the claimed invention cannot be considered as such or cannot be considered as involving an inventive step when the document is taken alone
  - "Y" document of particular relevance; the claimed invention cannot be considered as such or cannot be considered as involving an inventive step when the document is taken alone and when it is combined with one or more other such documents, such combination being obvious to a person skilled in the art
  - "Z" document member of the same patent family

Date of the actual completion of the international search: 19 July 2007 (19.07.2007)

Date of mailing of the international search report: 28 SEP 2007

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