Abstract: A toothpaste formulation is disclosed which comprises hydrogen peroxide; and cetylpyridinium chloride, and wherein the hydrogen peroxide and the cetylpyridinium chloride have been combined in the toothpaste formulation for not more than about seven minutes prior to administration to an individual. A mouth rinse formulation is disclosed which comprises hydrogen peroxide; and cetylpyridinium chloride, and wherein the hydrogen peroxide and the cetylpyridinium chloride have been combined in the mouth rinse formulation for not more than about seven minutes prior to administration to an individual. A whitening gel formulation is disclosed which comprises hydrogen peroxide; and pH adjuster, and wherein the hydrogen peroxide and the pH adjuster have been combined in the whitening gel formulation for not more than about seven minutes prior to administration to an individual. The toothpaste formulation, the mouth rinse formulation, and the whitening gel formulation further comprise lycopene.
INTERNATIONAL SEARCH REPORT

International application No. PCT/US07/16419

A. CLASSIFICATION OF SUBJECT MATTER
IPC: A61K 8/00 (2006.01), A61Q 1/00 (2006.01)

USPC: 424/53, 433/215, 216

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)

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 practicable, search terms used)
Please See Continuation Sheet

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 6,1 10,446 A (PRECIPE ET AL) 29 August 2000 (29.08.2000), see the entire document.</td>
<td>1-22</td>
</tr>
<tr>
<td>X</td>
<td>US 4,592,488 A (SIMON ET AL) 03 June 1986 (03.06.1986), see the entire document.</td>
<td>3-5, 11, 12, 15, 17 and 20</td>
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<tr>
<td>A</td>
<td></td>
<td>1, 2, 6-10, 13, 14, 16, 18, 19, 21 and 22</td>
</tr>
</tbody>
</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

Date of the actual completion of the international search: 21 November 2007 (21.11.2007)

Date of mailing of the international search report: 12.06.2007

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Form PCT/ISA/210 (second sheet) (April 2005)
Continuation of B. FIELDS SEARCHED Item 3:
EAST, STN
search terms: peroxide, cetylpyridinium, (multicompartment or "two compartment" or "dual compartment"), (dental or tooth or teeth or dentifrice or toothpaste or mouthrinse or mouthwash)