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60/565,311 26 April 2004 (26.04.2004) US
- (71) Applicant (for all designated States except US): **THE PROCTER & GAMBLE COMPANY** [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **LYNCH, Michael** [US/US]; 700 South Lake Drive, Hollywood, FL 33020 (US). **ISTVAN, Rudyard** [US/US]; 3100 North Ocean Blvd., Tower 1, Unit 1203, Ft. Lauderdale, FL 33308 (US). **CHERNOW, Bart** [US/US]; 2100 North Ocean Blvd., PH30, Ft. Lauderdale, FL 33305 (US). **DURRANI, Manzer** [US/US]; 10331 N.W. 12th Place, Plantation, FL 33322 (US). **PAN, Robert, Ya-Lin** [US/US]; 10242 Stablehand Drive, Cincinnati, OH 45242 (US). **SAUD, Abel** [US/US]; 10053 Somerset Drive, Loveland, OH 45140 (US). **MOESE, Rosa, Laura** [US/US]; 8815 Eagle Creek Court, West Chester, OH 45069 (US).
- (74) Common Representative: **THE PROCTER & GAMBLE COMPANY**; T. David Reed, The Procter & Gamble Company, Winton Hill Business Center, 6110 Center Hill Road, Cincinnati, OH 45224 (US).
- (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, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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- 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.

(54) Title: THERAPEUTIC ANTIMICROBIAL COMPOSITIONS AND METHODS

(57) Abstract: Therapeutic antimicrobial compositions and methods for providing enhanced immediate and residual anti-viral and antibacterial efficacy against rhinovirus, rotavirus, coronavirus, respiratory syncytial virus, Gram-positive bacteria, Gram-negative bacteria and combinations thereof. More specifically, therapeutic antimicrobial compositions comprising an organic acid or organic acid mixture and a short-chain anionic surfactant having at least one of a large head group; a branched alkyl chain and an unsaturated alkyl chain, and therapeutic methods of use thereof.



WO 2005/105070 A3

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/014279

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61K47/12 A61K47/20 A61L2/18 A01N25/30

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 A61L A01N

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, WPI Data, PAJ, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2004/000016 A (THE PROCTER & GAMBLE COMPANY) 31 December 2003 (2003-12-31) cited in the application claims 1,2,5,7,15,19,20,26,27,33 examples 3,9,10,12-16	1-8, 10-13
X	DE 32 29 097 A (SCHÜLKE & MAYR) 9 February 1984 (1984-02-09) claims 1,2,6,9 page 10, paragraph 4 page 12, paragraph 1 - paragraph 2 examples 1-3	1-5,8-13

Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L 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)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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 2 November 2005	Date of mailing of the international search report 16/11/2005
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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 Ventura Amat, A
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2005/014279

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 1-10 and 13 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/US2005/014279

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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