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(71) Applicant: EPICEPT CORPORATION [US/US]; 270 Sylvan Avenue, Englewood Cliffs, NJ 07632 (US).

- (72) Inventors: WILLIAMS, Robert, O.; 4514 Rapid Springs Cove, Austin, TX 78746 (US). ZHANG, Feng; 4559 Avenue A#204, Austin, TX 78751 (US). KOLENG, John, J.; 3002 Boxdale Drive, Austin, TX 78757 (US). PASTERNAK, Gavril, W.; Apartment 21M, 500 East 83rd Street, New York, NY 10028 (US). KOLESNIKOV, Yuri, A.; 4 Esmond Place, Tenafly, NJ 07670 (US).
- (74) Agents: ABRAMS, Samuel, B. et al.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

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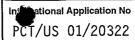
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(54) Title: METHODS AND COMPOSITIONS FOR TREATING PAIN OF THE MUCOUS MEMBRANE

(57) Abstract: Compositions useful for long-lasting pain relief from mucosal damage, such as mucosal inflamation, abrasions, ulcerations, lesions, trauma and incisions, without significant systemic absorption. The compositions of the invention are particularly suitable for application to the mucous membrane of the nasal cavity and bucal cavity. To relieve pain, the compositions or the invention are topically applied directly to the affected area.

#### INTERNATIONAL SEARCH REPORT



. classification of subject matter PC 7 A61K9/12 A61k A. CLASS A61K9/00 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, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category ° 1,2,4,5, US 5 578 315 A (CHIEN YIE W ET AL) Α 9,10 26 November 1996 (1996-11-26) column 5, line 66 -column 6, line 41; claims 1,2; example 1 US 5 112 620 A (REPKA MICHAEL A ET AL) 1,2,4,5, Y 12 May 1992 (1992-05-12) 9,10 column 1, line 31-56 column 4, line 31-64; claims 1-4 1,2,4,5, Υ US 5 948 389 A (STEIN CHRISTOPH) 9,10 7 September 1999 (1999-09-07) column 3, line 25-37 column 7, line 29-33; claims 1-6Patent family members are listed in annex. Further documents are listed in the continuation of box C. ° Special categories of cited documents: \*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 "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to 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) 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 docu-"O" document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled other means in the art "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 18/06/2002 10 June 2002 Authorized officer 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 Uhl, M

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