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(54) Title: TOPICAL TETRACYCLINE COMPOSITIONS

(57) Abstract: A topical therapeutic hydrophobic breakable composition includes a carrier comprising (a) about 60% to about 99% by weight of at least one hydrophobic oil; (b) at least one viscosity-modifying agents selected from the group consisting of a fatty alcohol, a fatty acid and a wax; and (c) a tetracycline antibiotic, characterized in that at least part of the tetracycline antibiotic is suspended in the composition; the viscosity of the composition is at least about 30% higher than the viscosity of the carrier without the tetracycline antibiotic; and is higher than the viscosity of the hydrophobic oil and the tetracycline antibiotic without the viscosity modifying agents. The tetracycline is chemically stable in the composition for at least six months; wherein more than about 90% of the tetracycline has not broken down. The composition is packaged as a breakable foam that breaks easily upon application of shear force.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/IB 10/02617

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61K 8/02 (2011.01)

USPC - 424/401; 424/498

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: 424/401; 424/498

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

USPC: 424/401; 424/498 (keyword delimited)

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

Electronic Database Searched: PUBWEST (PGPUB,EPAB,JPAB,USPT), Google. Search Terms Used Hydrophobic, composition, tetracycline, plant wax, camauba wax, candellilla wax, ouricury wax, sugarcane wax, retamo wax, jojoba oil, an animal waxes, beeswax, petroleum derived wax, paraffin wax, polyethylene, dermatological, ophthalmological, gynecologic, mucos

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2009/0180970 A1 (Tamarkin et al.) 16 July 2009 (16.07.2009), entire document especially abstract; para [0013]; [0052]; [0055]; [0019]; [0066]; [0085]; [0088]; [0103]; [0115]; [0136]-137]; [0145]; [0146]; [0162]; [0177]-[0178]; [0190]	1-32
Y	US 2008/0188445 A1 (Muldoon et al.) 07 August 2008 (07.08.2008), entire document especially figure 2; para [0020]; [0027]; [0076]; [0079]; [0163]	1-32
A	US 2008/0188446 A1 (Muldoon et al.) 07 August 2008 (07.08.2008), entire document	1-32
A	US 2008/0167376 A1 (Bar-Or et al.) 10 July 2008 (10.07.2008), entire document	1-32

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