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# United States Patent [19]

[11] **Patent Number:** **5,122,519**

**Ritter**

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[54] **STABLE, COSMETICALLY ACCEPTABLE  
TOPICAL GEL FORMULATION AND  
METHOD OF TREATMENT FOR ACNE**

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[75] **Inventor:** **Lawrence Ritter, Suffern, N.Y.**

### OTHER PUBLICATIONS

Chemical Abstracts, 97:3459v (1982).

[73] **Assignee:** **American Cyanamid Company,  
Wayne, N.J.**

*Primary Examiner*—Leonard Schenkman  
*Attorney, Agent, or Firm*—Kenneth J. Dow

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### [57] **ABSTRACT**

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Stable, cosmetically acceptable gel formulations of the tetracycline antibiotics for the topical treatment of acne in humans. Minocycline hydrochloride is the preferred antibiotic and the pharmaceutical vehicle is a volatile silicone solvent in combination with an emollient ester cosolvent and a polyethylene gelling agent.

[51] **Int. Cl.<sup>5</sup>** ..... **A61K 31/65**

[52] **U.S. Cl.** ..... **514/152; 514/944**

[58] **Field of Search** ..... **514/152, 944**

### [56] **References Cited**

#### **U.S. PATENT DOCUMENTS**

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**22 Claims, No Drawings**