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(54) **ONCE DAILY FORMULATIONS OF TETRACYCLINES**

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(52) **U.S. Cl.**  
USPC ..... **424/458**

(58) **Field of Classification Search**  
None  
See application file for complete search history.

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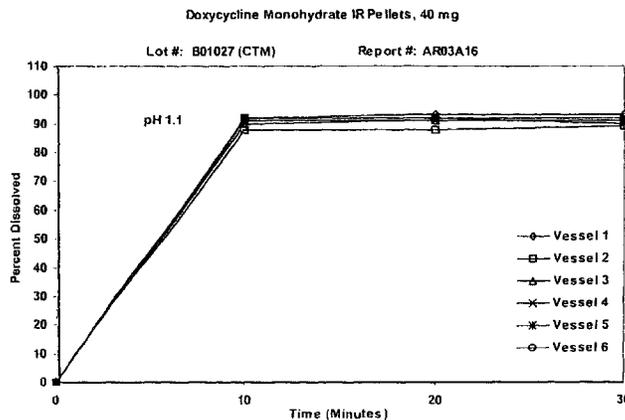
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(57) **ABSTRACT**

Disclosed are once-daily formulations containing tetracyclines, especially doxycycline. Such formulations are useful, for instance, for the treatment of collagenase destructive enzyme-dependent diseases, such as periodontal disease and acne, and acute and chronic inflammatory disease states, such as rosacea and arthritis.

**19 Claims, 6 Drawing Sheets**



Dissolution profile for doxycycline monohydrate IR beads