United States Patent [19]

Valorose, Jr. et al.

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[54] **NOVEL CONTROLLED RELEASE FORMULATIONS OF TETRACYCLINE COMPOUNDS**

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[58] **Field of Search** 424/489, 490, 491, 494, 424/495, 456, 468, 469, 497, 499, 520, 501

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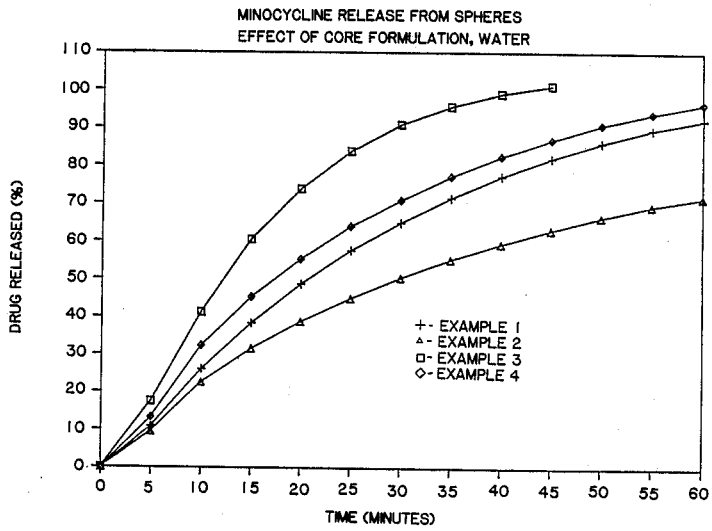
[57] **ABSTRACT**

Pharmaceutical compositions comprising spherical granules including thereon or therein a 7- or 9-akylamino-6-deoxy-6-demethyltetracycline or an acid-addition salt thereof blended with at least one excipient are adapted to control the rate of drug release in the stomach and in the intenstine in order not to produce nausea or dizziness upon oral administration during antibacterial therapy.

42 Claims, 6 Drawing Sheets