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[54] **REDUCTION OF LIPOSOME-INDUCED ADVERSE PHYSIOLOGICAL REACTIONS**

[75] Inventors: **Patrick L. Ahl**, Princeton; **Suresh K. Bhatia**, Plainsboro; **Sharma R. Minchey**, Monmouth Junction, all of N.J.; **Andrew S. Janoff**, Yardley, Pa.

[73] Assignee: **The Liposome Company, Inc.**, Princeton, N.J.

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Related U.S. Application Data

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[51] **Int. Cl.**[6] **A61K 9/127**

[52] **U.S. Cl.** **424/450**; 428/402.2

[58] **Field of Search** 424/450; 428/402.2; 436/829

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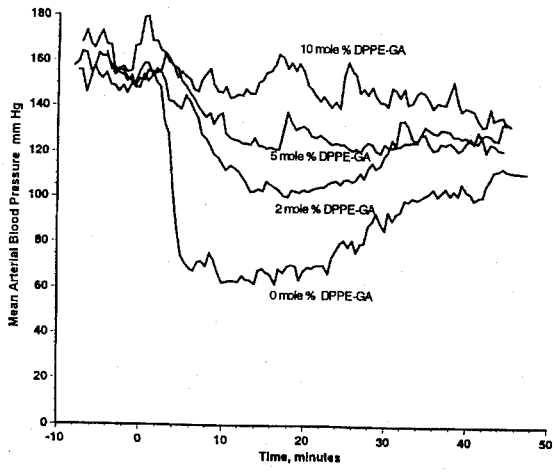
Primary Examiner—Gollamudi S. Kishore

Attorney, Agent, or Firm—Kenneth B. Rubin

[57] **ABSTRACT**

Provided herein is a method of administering a liposome composition to an animal, the method involving adminstering to the animal a liposome composition containing an adverse physiological reaction-reducing effective amount of a liposome which has, in addition to a bioactive agent, a lipid bilayer containing a lipid and a surface agent-modified molecule. An adverse physiological reaction which may be experienced by the animal upon administration of a liposome composition is reduced by way of the presence of the surface agent-modified molecule in the liposome's lipid bilayer.

18 Claims, 16 Drawing Sheets