US005639476A

# United States Patent [19]

**Oshlack et al.**

[11] **Patent Number: 5,639,476**

[45] **Date of Patent: *Jun. 17, 1997**

[54] **CONTROLLED RELEASE FORMULATIONS COATED WITH AQUEOUS DISPERSIONS OF ACRYLIC POLYMERS**

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[ * ] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,286,493.

[21] Appl. No.: **459,110**

[22] Filed: **Jun. 2, 1995**

**Related U.S. Application Data**

[60] Division of Ser. No. 97,558, Jul. 27, 1993, Pat. No. 5,580,578, which is a continuation-in-part of Ser. No. 826,084, Jan. 27, 1992, Pat. No. 5,286,493.

[51] **Int. Cl.**[6] ..... **A61K 9/62**

[52] **U.S. Cl.** ..... **424/468**; 424/486; 424/482

[58] **Field of Search** ..... 424/486, 468, 424/482

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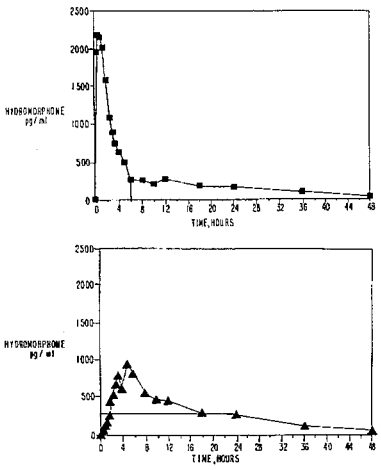
[57] **ABSTRACT**

A stable solid controlled release formulation having a coating derived from an aqueous dispersion of a hydrophobic acrylic polymer includes a substrate including an active agent selected from the group consisting of a systemically active therapeutic agent, a locally active therapeutic agent, a disinfecting and sanitizing agent, a cleansing agent, a fragrance agent and a fertilizing agent, overcoated with an aqueous dispersion of the plasticized water-insoluble acrylic polymer. The formulation provides a stable dissolution of the active agent which is unchanged after exposure to accelerated storage conditions.

**13 Claims, 8 Drawing Sheets**