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(12) **United States Patent**
Kanios

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(54) **COMPOSITIONS AND METHODS TO EFFECT THE RELEASE PROFILE IN THE TRANSDERMAL ADMINISTRATION OF ACTIVE AGENTS**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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Related U.S. Application Data

(63) Continuation of application No. 09/765,932, filed on Jan. 19, 2001, now abandoned.
(60) Provisional application No. 60/177,103, filed on Jan. 20, 2000.
(51) **Int. Cl.**⁷ **A61K 9/70; A61K 13/00**
(52) **U.S. Cl.** **424/449; 424/448; 424/443; 424/484**
(58) **Field of Search** **424/448, 449, 424/484, 487, 488, 443**

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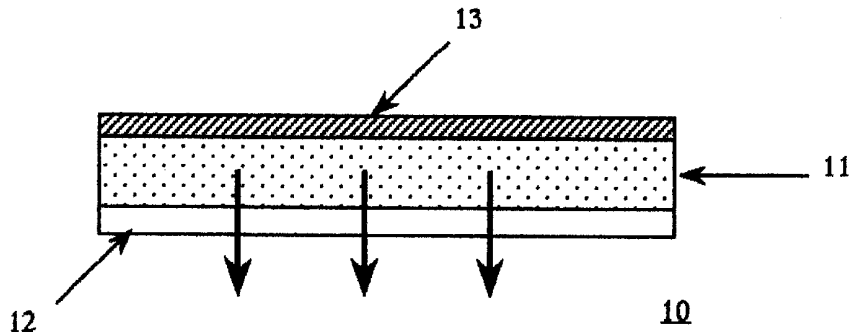
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(57) **ABSTRACT**

Compositions and methods for the transdermal delivery of active agents up to a period of seven days or more at substantially a zero-order release rate comprising a pharmaceutically acceptable adhesive matrix and a polymeric plastic material that provides a release rate regulating effect on the active agents.

6 Claims, 6 Drawing Sheets



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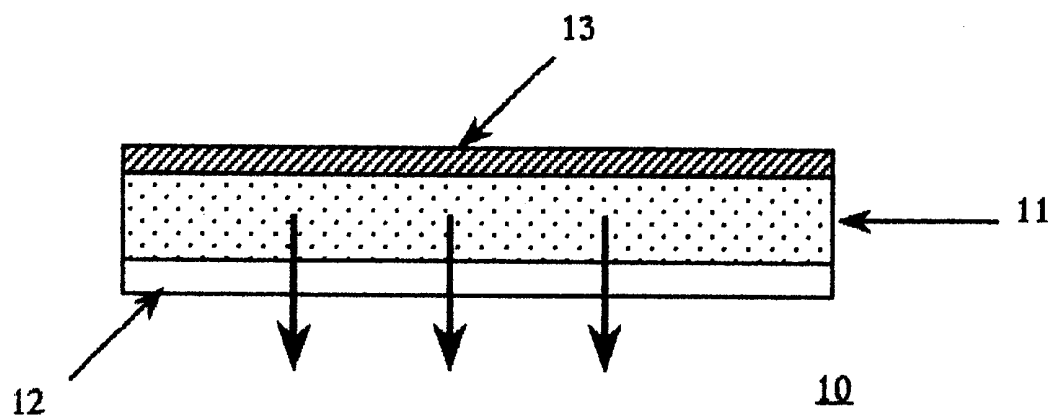


FIG. 1

FIGURE 2

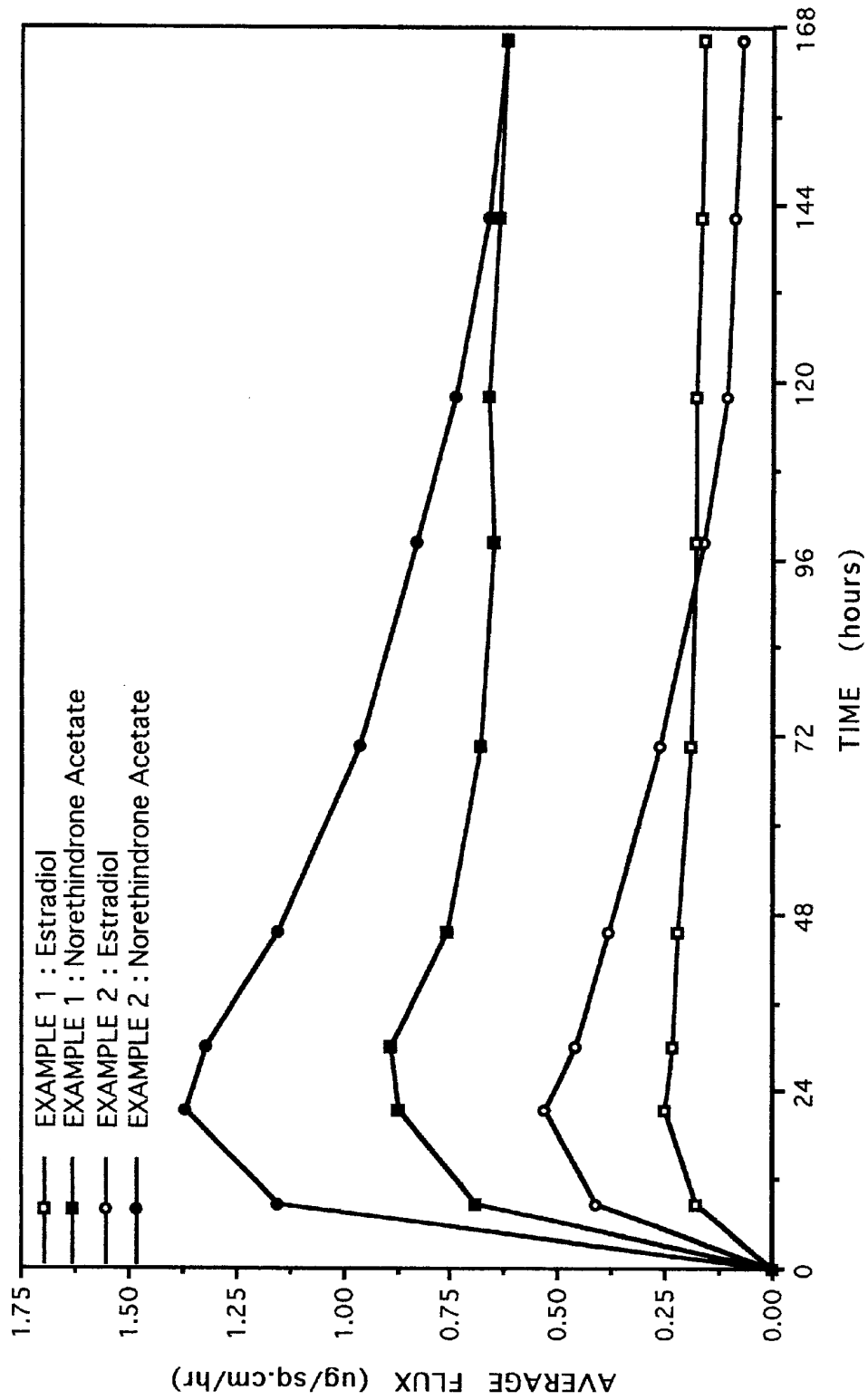
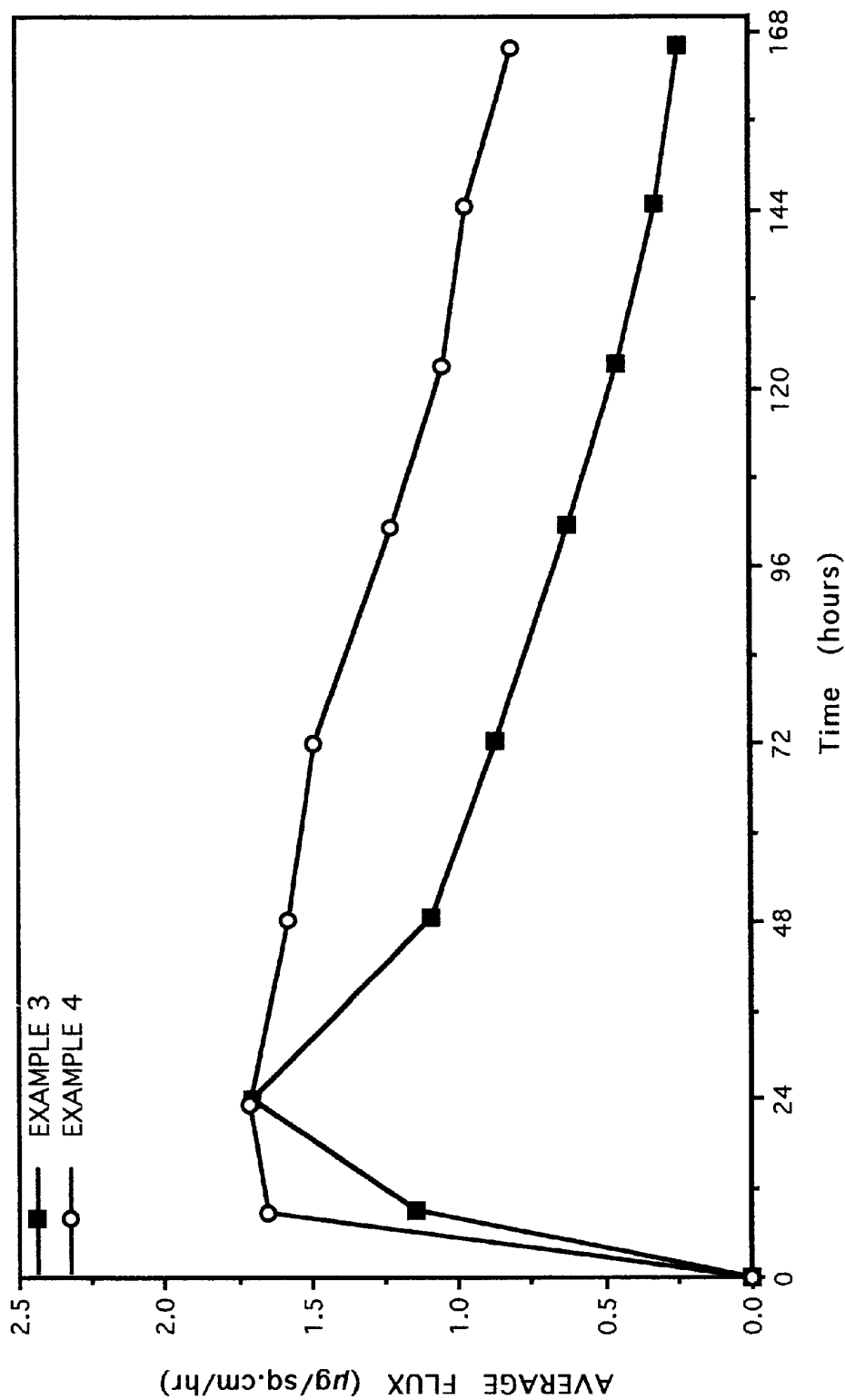


FIGURE 3



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