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(54) **POLYETHYLENE OXIDE-BASED FILMS AND DRUG DELIVERY SYSTEMS MADE THEREFROM**

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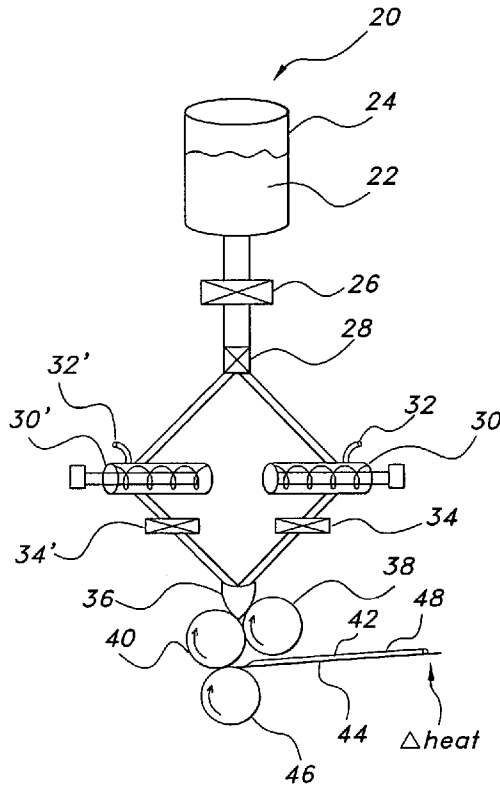
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(57) **ABSTRACT**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 10/768,809, filed on Jan. 30, 2004, and which is a continuation-in-part of application No. PCT/US02/32575, filed on Oct. 11, 2002, and which is a continuation-in-part of application No. PCT/US02/32594, filed on Oct. 11, 2002, and which is a continuation-in-part of application No. PCT/US02/32542, filed on Oct. 11, 2002.

The invention relates to the film products and methods of their preparation that demonstrate a non-self-aggregating uniform heterogeneity. Desirably, the films disintegrate in water and may be formed by a controlled drying process, or other process that maintains the required uniformity of the film. The films contain a polymer component, which includes polyethylene oxide optionally blended with hydrophilic cellulosic polymers. Desirably, the films also contain a pharmaceutical and/or cosmetic active agent with no more than a 10% variance of the active agent pharmaceutical and/or cosmetic active agent per unit area of the film.



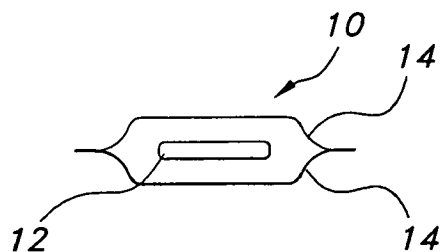


FIG. 1

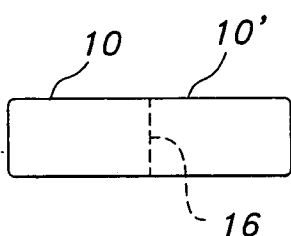


FIG. 2

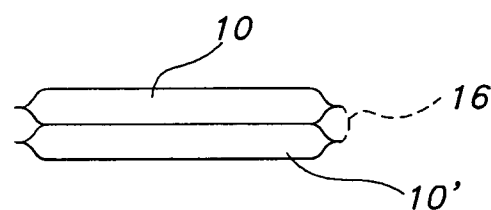


FIG. 3

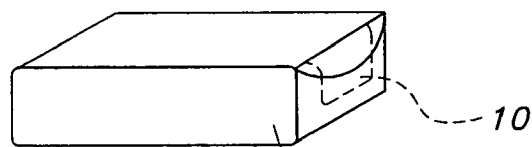


FIG. 4

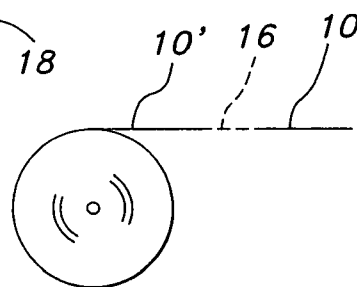


FIG. 5

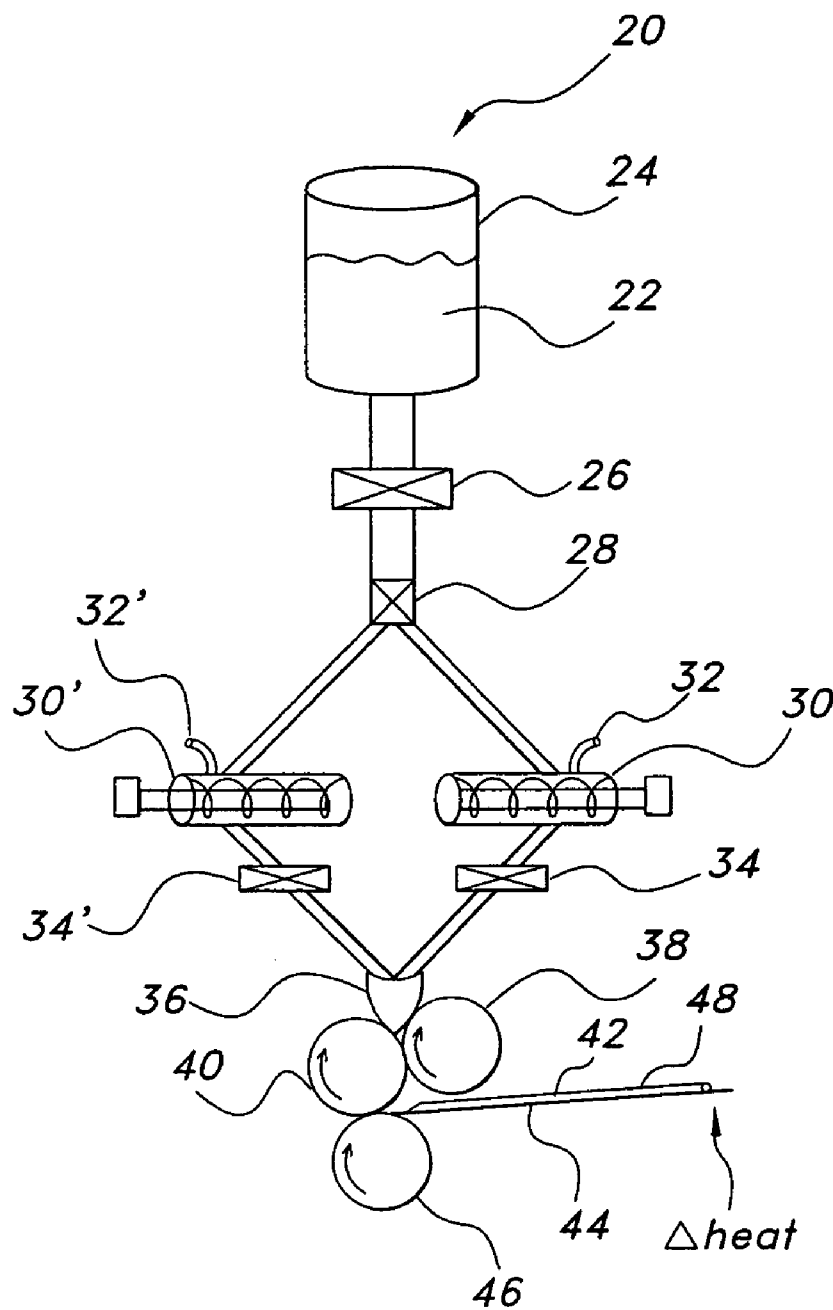


FIG. 6

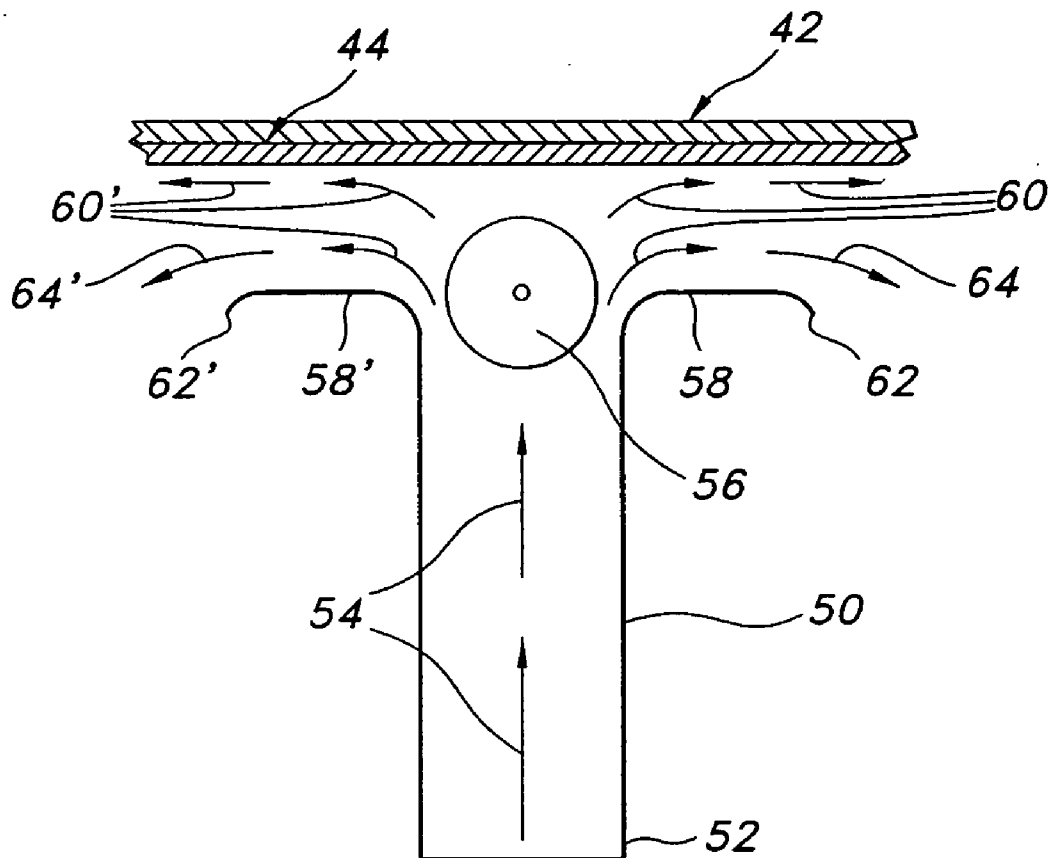


FIG. 7

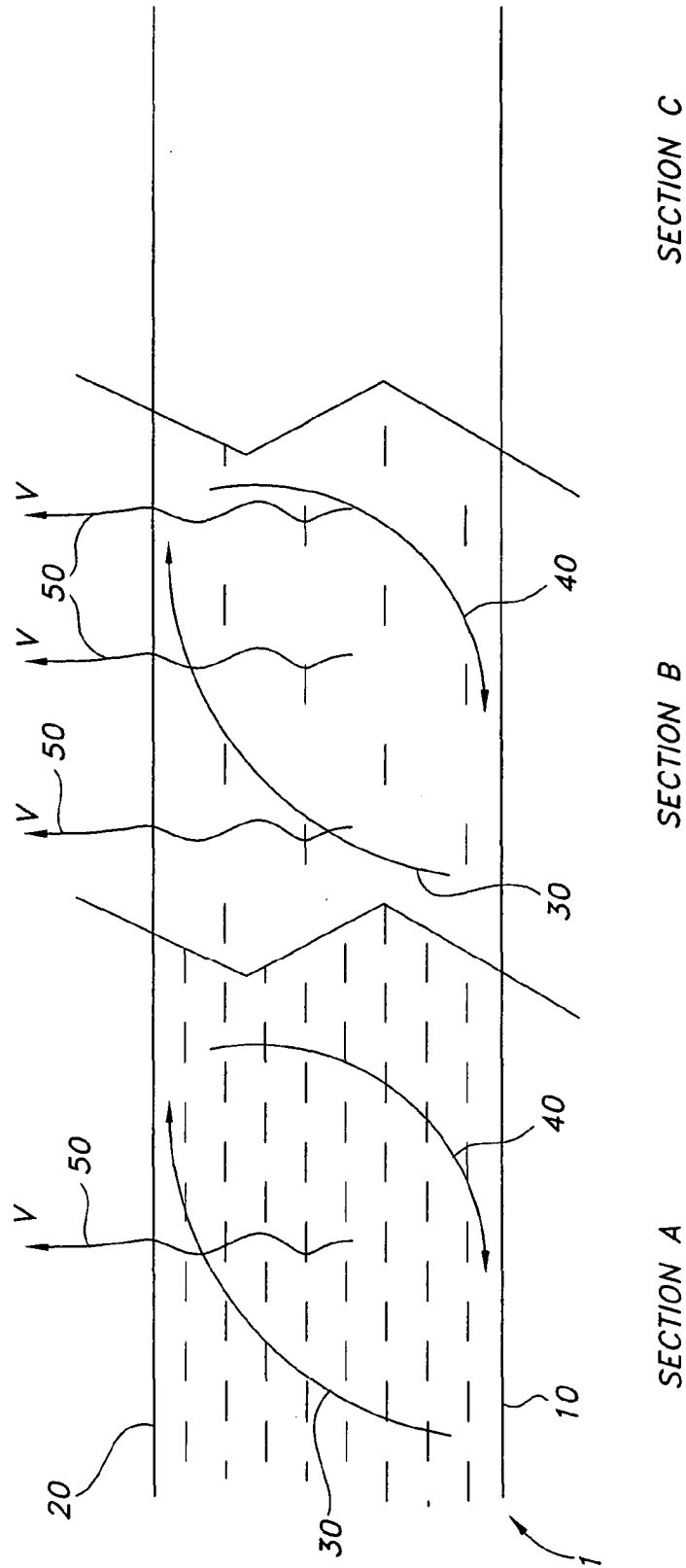


FIG. 8

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