



US 20050037055A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2005/0037055 A1**

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(43) **Pub. Date: Feb. 17, 2005**

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

(60) Provisional application No. 60/473,902, filed on May 28, 2003. Provisional application No. 60/443,741, filed on Jan. 30, 2003. Provisional application No. 60/371,940, filed on Apr. 11, 2002.

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(30) **Foreign Application Priority Data**

Sep. 27, 2002 (US)..... EU552991707

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Publication Classification

(51) **Int. Cl.⁷** **B29C 47/00**; A61K 9/70
(52) **U.S. Cl.** **424/443**; 264/176.1

(73) Assignee: **MonoSolRx LLC.**

(57) **ABSTRACT**

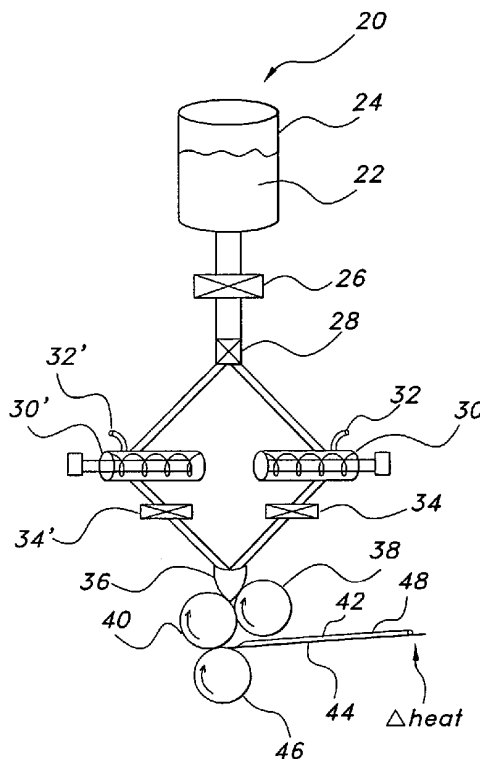
(21) Appl. No.: **10/856,176**

(22) Filed: **May 28, 2004**

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.



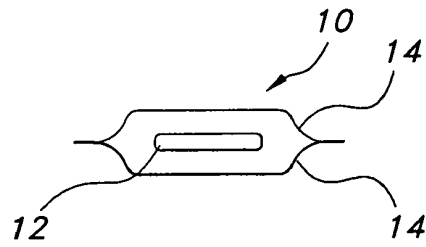


FIG. 1

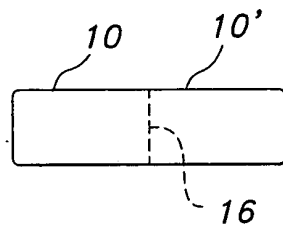


FIG. 2

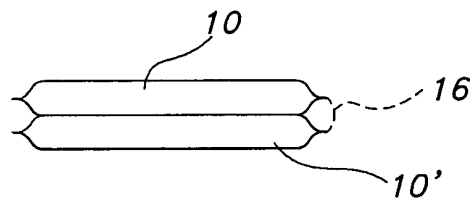


FIG. 3

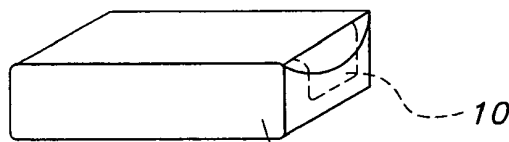


FIG. 4

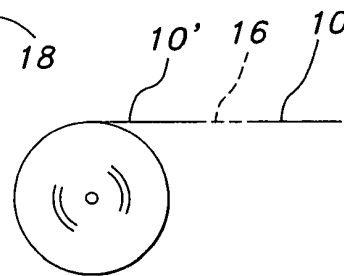


FIG. 5

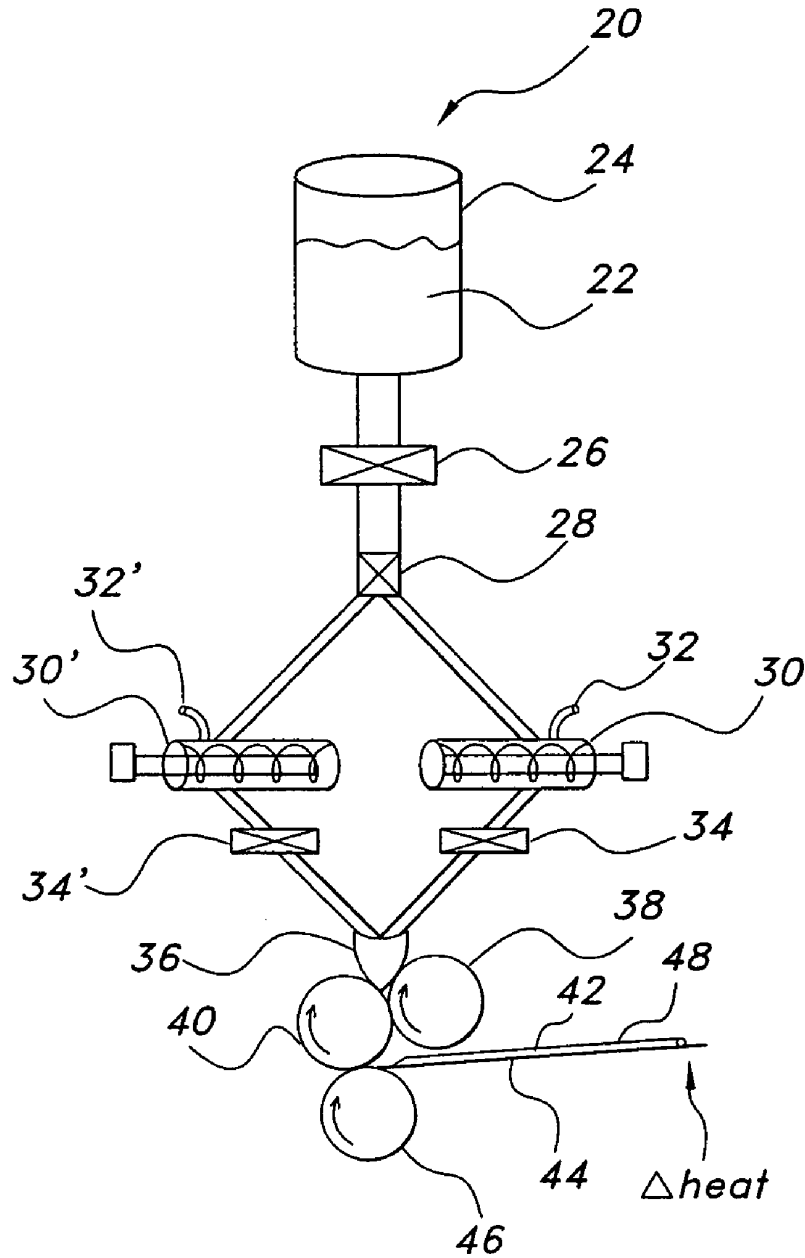


FIG. 6

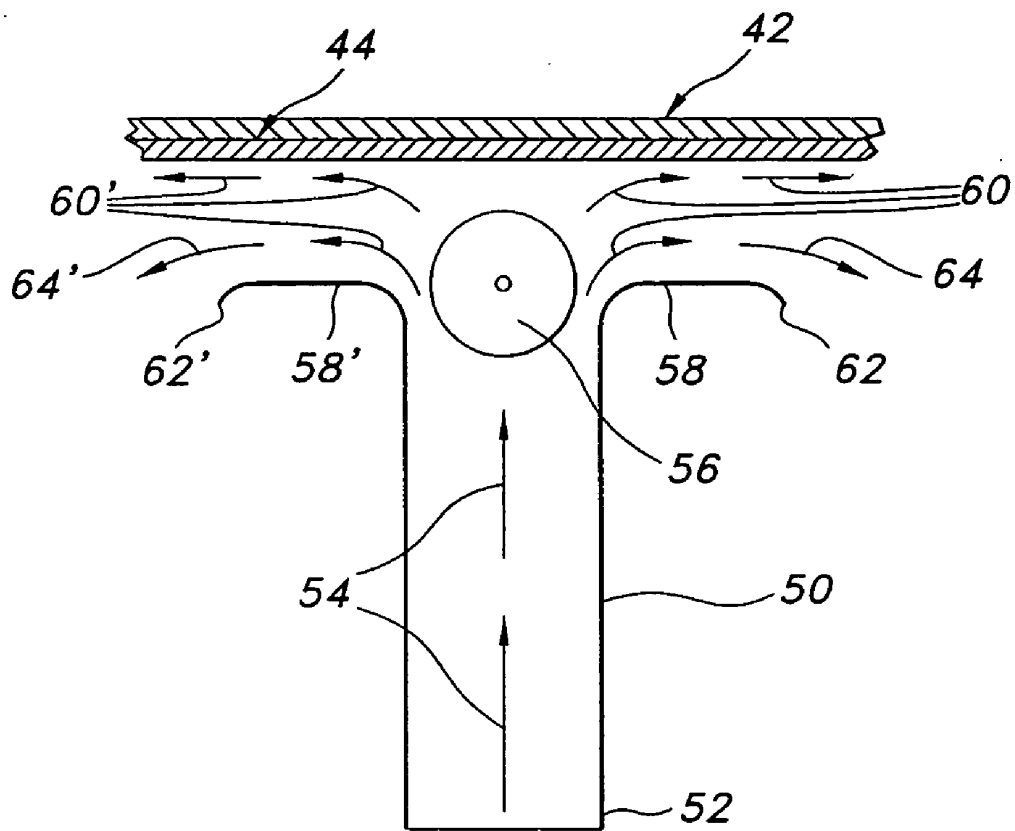


FIG. 7

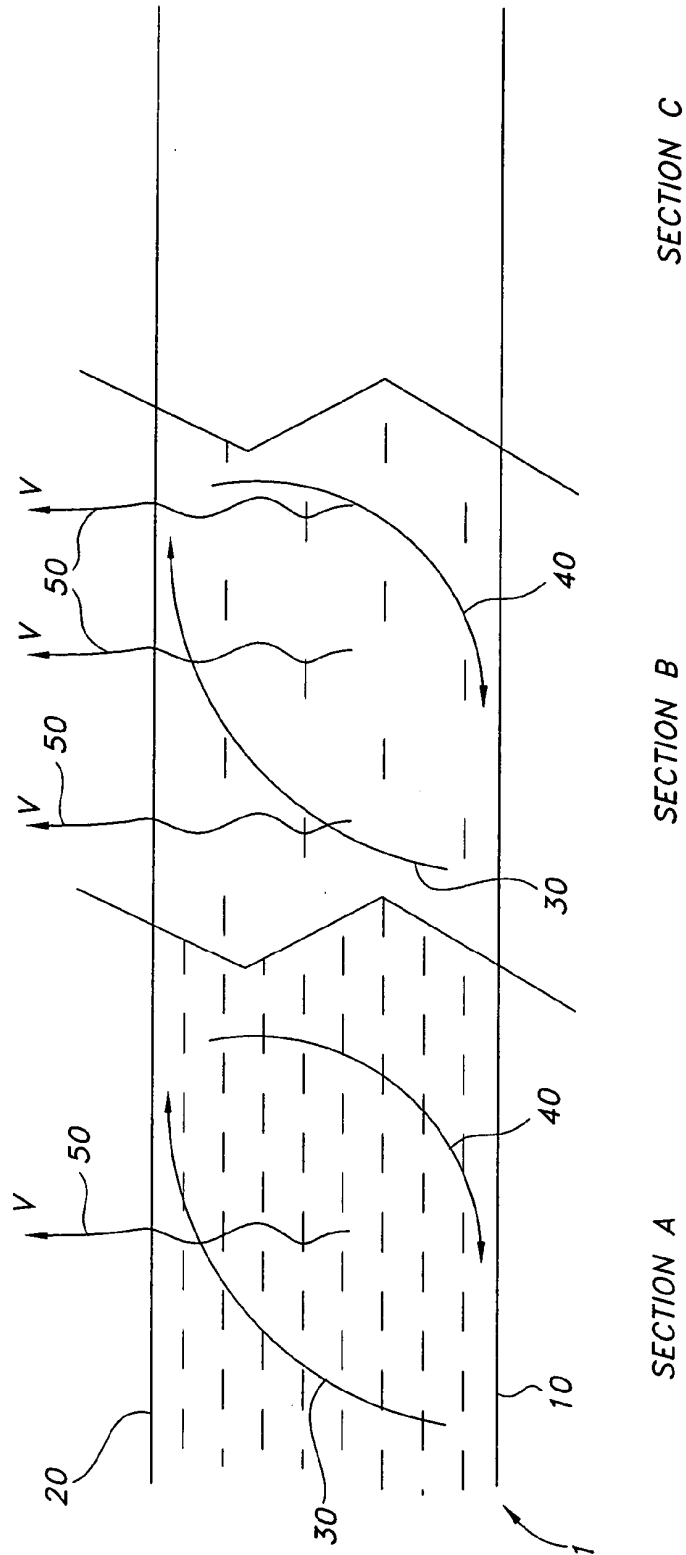


FIG. 8

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