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Yang et al.

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(54) **THIN FILM WITH
NON-SELF-AGGREGATING UNIFORM
HETEROGENEITY AND DRUG DELIVERY
SYSTEMS MADE THEREFROM**

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(75) Inventors: **Robert K. Yang**, Flushing, NY (US);
Richard C. Fuisz, McLean, VA (US);
Gary L. Myers, Kingsport, TN (US);
Joseph M. Fuisz, McLean, VA (US)

(73) Assignee: **MonoSol Rx, LLC**, Portage, IN (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 621 days.

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(Continued)

Related U.S. Application Data

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(51) **Int. Cl.**

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B29D 7/01 (2006.01)

(Continued)

(52) **U.S. Cl.** **264/172.19**; 264/212; 264/217

Primary Examiner—Philip C Tucker

Assistant Examiner—Sing P Chan

(58) **Field of Classification Search** 264/172.19,
264/173.1, 175, 212, 217, 211.12, 260, 234;
424/484, 488; 484/434, 435; 34/509, 502,
34/493, 443

(74) *Attorney, Agent, or Firm*—Hoffmann & Baron, LLP

See application file for complete search history.

(57) **ABSTRACT**

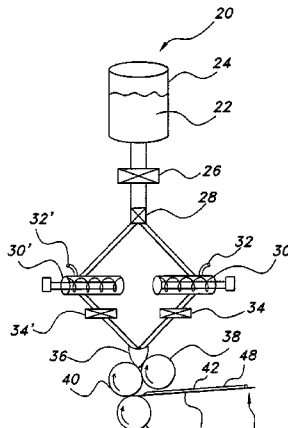
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The invention relates to the film products and methods of their preparation that demonstrate a non-self-aggregating uniform heterogeneity. Desirably the films disintegrate in water and may be formed by a controlled drying process, or other process that maintains the required uniformity of the film.

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22 Claims, 2 Drawing Sheets



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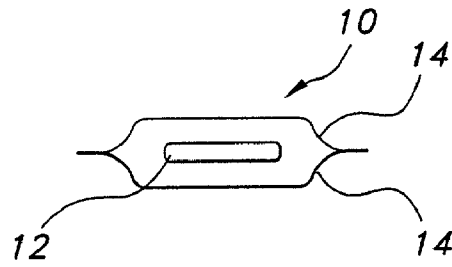


FIG. 1

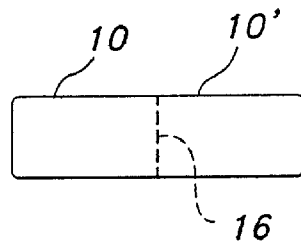


FIG. 2

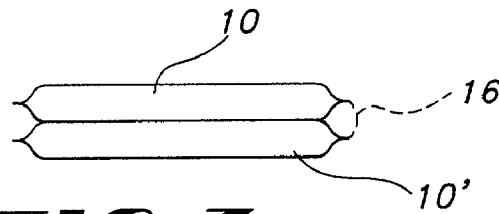


FIG. 3

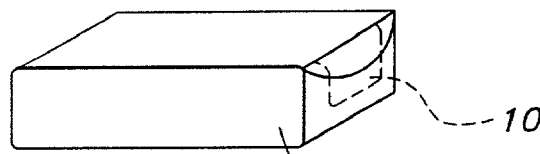


FIG. 4

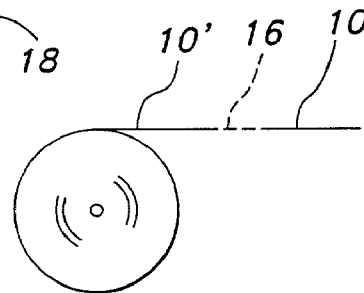


FIG. 5

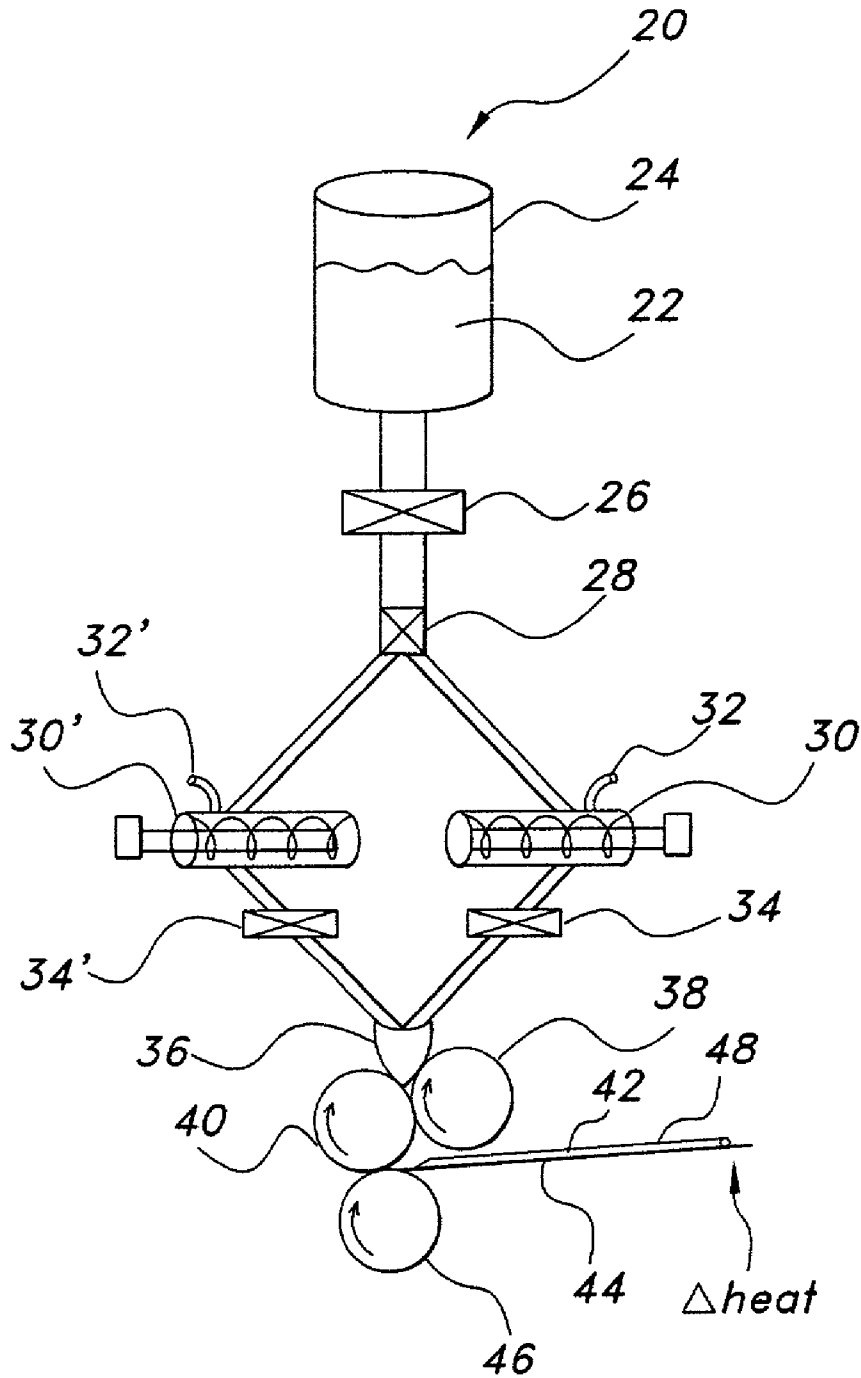


FIG. 6

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