United States Patent [19]

Smarook

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[54] **HYDROGEL DOUGH COMPOSITION FOR FABRICATION OF FOAMED ARTICLES**

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[52] **U.S. Cl.** ..... **521/98**; 260/29.2 UA; 260/29.6 NR; 260/29.6 SQ; 260/33.4 R; 260/33.8 R; 264/53; 264/54; 260/29.2 R; 521/180

[58] **Field of Search** ..... 260/2.5 R, 2.5 AP, 2.5 L, 260/2.5 P, 2.5 H, 2.5 HA, 2.5 HB, 49, 29.2 R, 29.2 UA; 264/53, 54

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[57] **ABSTRACT**

Foamed, low density polymeric articles have been fabricated from a non-tacky hydrogel obtained by blending normally solid thermoplastic polymer resin with a normally liquid organic solvent and water, at lower molding temperatures and energy requirements than those conventionally used in melt extrusion foam processing.

8 Claims, 5 Drawing Figures