United States Patent [19]

Baccei

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[54] **CURABLE POLYBUTADIENE-BASED RESINS HAVING IMPROVED PROPERTIES**

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Related U.S. Application Data

[63] Continuation of Ser. No. 64,170, Aug. 6, 1979, abandoned, which is a continuation of Ser. No. 813,207, Jul. 5, 1977, abandoned, which is a continuation-in-part of Ser. No. 546,250, Feb. 3, 1975, abandoned.

[51] **Int. Cl.**[3] **C09J 5/02;** C08F 8/30; C08L 75/04

[52] **U.S. Cl.** **156/307.3;** 156/331.4; 204/159.15; 204/159.2; 525/126; 525/455; 525/920

[58] **Field of Search** 204/159.15, 159.27; 525/455, 126; 156/307.3, 331.4

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[57] **ABSTRACT**

A polymerizable adhesive and sealant composition comprising a urethane-acrylate-capped prepolymer based on a polybutadiene polyol or polyamine having at least about 70 percent of the butadiene units in the 1,4-configuration. The composition provides improved thermal, impact and cure-through-gap properties. A process for preparing the composition and a process for using it are also disclosed.

27 Claims, No Drawings