US005183841A

United States Patent [19]

Bernard

[11] **Patent Number: 5,183,841**

[45] **Date of Patent: Feb. 2, 1993**

[54] **REMOVABLE PRESSURE-SENSITIVE ADHESIVES FOR RECYCLABLE SUBSTRATES**

[75] Inventor: **Margaret M. Bernard**, La Verne, Calif.

[73] Assignee: **Avery Dennison Corporation**, Pasadena, Calif.

[21] Appl. No.: **813,354**

[22] Filed: **Dec. 24, 1991**

[51] **Int. Cl.**[5] **C08L 93/04**; C08L 31/02; C08L 33/08; C08F 220/10

[52] **U.S. Cl.** **524/272**; 526/318.4; 524/560

[58] **Field of Search** 524/271, 272

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,167,433	9/1979	Lakshmanan	524/271
4,564,664	1/1986	Chang et al.	524/833
4,670,505	6/1987	Craig	524/704

Primary Examiner—Joseph L. Schofer
Assistant Examiner—Wu C. Cheng
Attorney, Agent, or Firm—Christie, Parker & Hale

[57] **ABSTRACT**

There is provided hot water and alkali removable pressure-sensitive adhesive composition based on inherently tacky, water insoluble emulsion pressure-sensitive adhesive acrylic polymers used in combination with a rosin based acidic tackifier and a rosin based surfactant.

36 Claims, No Drawings