

[54]	REMOVABLE PRESSURE-SENSITIVE ADHESIVE SHEET MATERIAL	3,024,221	3/1962	Le Fevre et al.	260/887 X
		3,547,852	12/1970	Burke	117/122 X
		3,551,479	12/1970	Emmons	260/485
[75]	Inventors: Spencer F. Silver , White Bear Lake; Louis E. Winslow , Stillwater; Alvin R. Zigman , Woodbury, all of Minn.	3,579,490	5/1971	Kordzinski et al.	117/122 X
		3,660,431	5/1972	Hatch et al.	117/122
		3,725,122	3/1973	Reinhard et al.	117/122 X

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 257,240, May 26,
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428/500**

[51] **Int. Cl.²** **C09J 7/04**

[58] **Field of Search** 117/122 P, 122 PF, 122 PA,
117/76 A, 68.5, 161 UT, 161 UZ; 260/29.3
R; 428/355, 500; 427/207, 208

[56] **References Cited**

UNITED STATES PATENTS

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[57] **ABSTRACT**

A flexible self-sustaining backing is coated with a stable viscous copolymer latex formed from monomers of (1) major amounts of certain alkyl acrylates, (2) minor amounts of certain emulsifier monomers, and (3) if desired, minor amounts of zwitterionic monomers, and the water evaporated from the latex to leave a tacky and pressure-sensitive adhesive. When tape prepared in this way is applied to enameled or lacquered substrates, it can be removed without leaving an adhesive residue, even after extended exposure to heat and light. Other sheet materials (e.g., floor tile, carpeting, label stock, etc.) are similarly removable when provided with this adhesive.

10 Claims, No Drawings