United States Patent [19]

Joos

[11] **4,150,012**

[45] **Apr. 17, 1979**

[54] **DISCERNIBLE DENTAL SEALANT**

[75] Inventor: **Richard W. Joos**, Eagan, Minn.

[73] Assignee: **Minnesota Mining and Manufacturing Company**, St. Paul, Minn.

[21] Appl. No.: **761,116**

[22] Filed: **Jan. 21, 1977**

[51] **Int. Cl.**[2] **C08K 9/06**

[52] **U.S. Cl.** **260/42.15**; 32/15; 260/42.52; 260/42.57; 260/998; 260/11

[58] **Field of Search** ..... 260/42.15, 42.57, 42.52, 260/998, 11, DIG. 36; 32/15

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,200,142	8/1965	Bowen	260/486
3,539,533	11/1970	Lee et al.	260/42.52
3,709,866	1/1973	Waller	260/42.52
3,815,239	6/1974	Lee et al.	260/42.52
3,835,090	9/1974	Gander et al.	260/42.15
3,853,962	12/1974	Gander	260/42.52
3,889,385	6/1975	Dougherty	32/12
3,926,906	12/1975	Lee et al.	260/42.15

Primary Examiner—Lewis T. Jacobs

Attorney, Agent, or Firm—Cruzan Alexander; D. M. Sell; D. P. Edmundson

[57] **ABSTRACT**

A composition and method adapted for discernibly filling and sealing pits and fissures in tooth surfaces is described. The novel compositions contain finely divided hydrophobic opaquing filler and hydrophobic suspending agent, in defined amounts, in a polymerizable resin system. Placement of the composition on dental surfaces is simplified and retention is easily verified.

15 Claims, No Drawings