106-94. AU 115 EX
3-4-75 XR 3,869,415

United States Patent [19]

Williams

[11] **3,869,415**

[45] **Mar. 4, 1975**

[54] **RESINOUS POLYMER CONTAINING WATERPROOFING PLASTER COMPOSITIONS**

[75] Inventor: **John Williams,** Maidstone, England

[73] Assignee: **Temec Limited,** Wembley, England

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Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 106,900, Jan. 15, 1971, abandoned, which is a continuation-in-part of Ser. No. 727,037, May 6, 1968, abandoned.

[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** ..... **260/17 R,** 106/93, 106/94, 260/29.6 S, 260/29.7 S, 260/14

[51] **Int. Cl.** **C08f 45/04,** C08f 45/24

[58] **Field of Search** ..... 260/29.6 S, 29.7 S, 17 R, 260/14

[56] **References Cited**

UNITED STATES PATENTS

2,514,637	7/1950	Goldstein	260/29.6 S
2,776,914	1/1957	Faulwetter	260/29.6 S
2,986,544	5/1961	Driscoll	260/29.7 S
3,112,681	12/1963	Gessler et al.	260/42.13
3,228,907	1/1966	Eash	260/29.7 S
3,240,736	3/1966	Beckwith	260/29.2 EP
3,297,617	1/1967	Regenstein et al.	260/29.6 S
3,538,036	11/1970	Peters et al.	260/29.6 S

Primary Examiner—Lucille M. Phynes
Attorney, Agent, or Firm—Stewart and Kolasch

[57] **ABSTRACT**

A plaster composition having water-resistance properties comprising 30 to 60% by weight of calcium sulfate plaster solids, 0.25 to 15% by weight of a waterproofing resin selected from the group consisting of vinyl toluene-butadiene copolymers, polyvinyl chloride, polyvinyl acetate, petroleum and coal tar hydrocarbon polymer resins and styrene and acrylic copolymers, 4 to 48% of an organic solvent for said resin and 20 to 50% by weight of water. The composition preferably includes a cellulose ether suspending agent for the resin solution. Up to 50% by weight of the plaster solids may be replaced by a hydraulic cement.

23 Claims, No Drawings