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Klusendorf et al. [43] **May 1, 1979**

[54] **POWDER COATED RESINOUS ARTICLE**

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[21] Appl. No.: **876,457**

[22] Filed: **Feb. 9, 1978**

Related U.S. Application Data

[63] Continuation of Ser. No. 535,400, Dec. 23, 1974, abandoned.

[51] **Int. Cl.**[2] **B05D 1/36;** B05D 7/00; B05D 1/04

[52] **U.S. Cl.** ..... **428/339;** 427/27; 427/195; 427/202; 427/407 G; 427/419 R; 428/413; 428/480; 428/500; 428/539

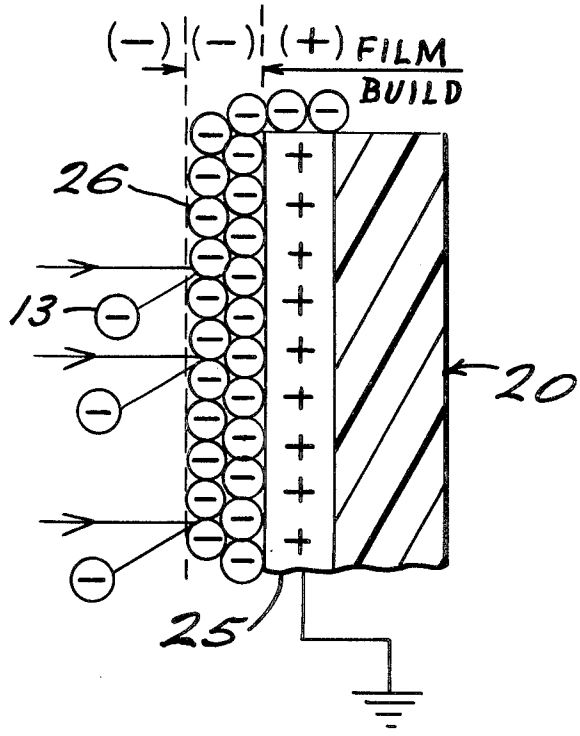
[57] **ABSTRACT**

A method and product relating to a powdered coated resinous article. The surface of the resinous article is sealed to resist the effects of gases released from the article during heating. The sealing layer may contain a lead silicate chromate additive. A conductive exterior surface is then formed on the article and subsequently a powder paint is applied to the article under the influence of an electrostatic field. The coating is then heated sufficiently to merge the particles into a continuous film. The powder coating may be acrylic, polyester or epoxy. The sealing and forming a conductive layer may be done in one operation.

31 Claims, 3 Sheets Drawing,

33 Pages Specification

The file of this unexamined application may be inspected and copies thereof may be purchased (849 O.G. 1221, Apr. 9, 1968).



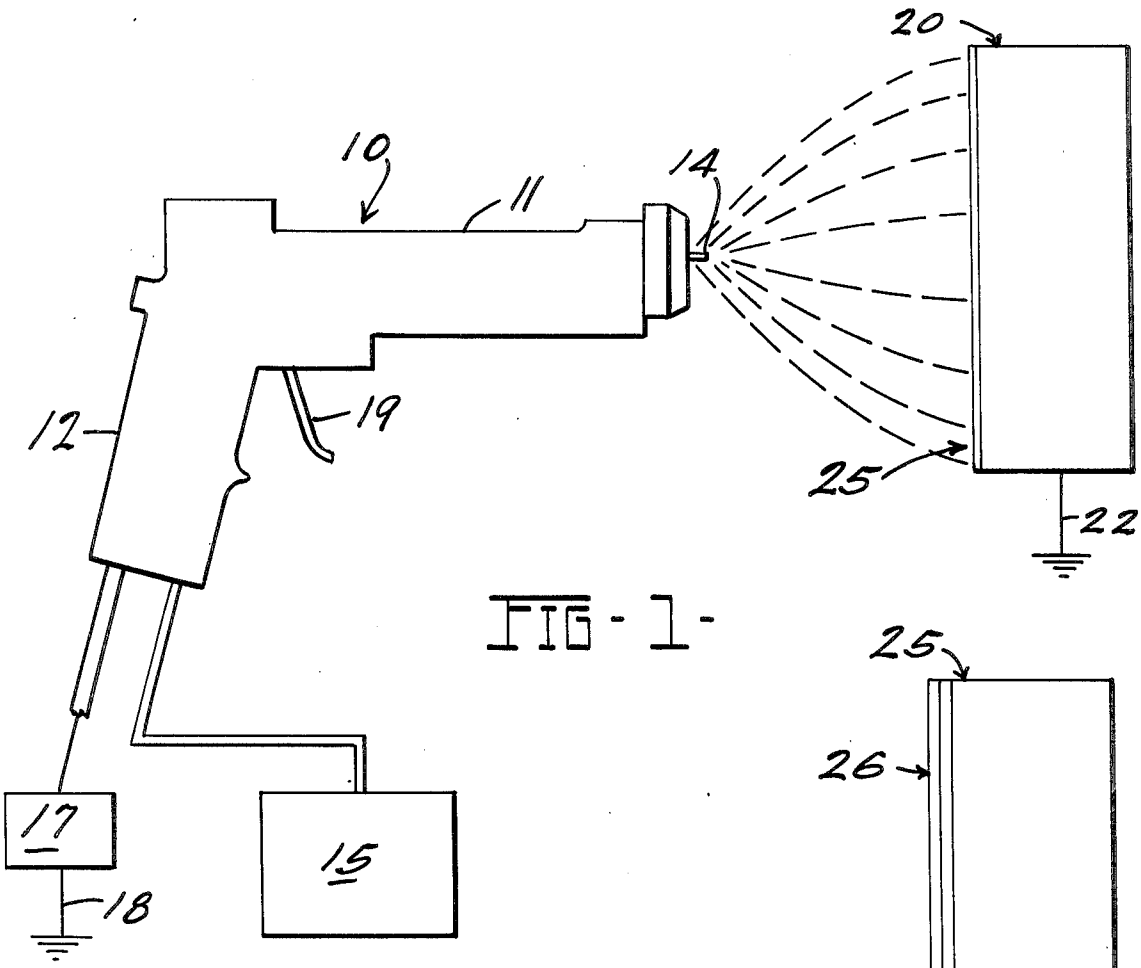


FIG-1-

FIG-2-

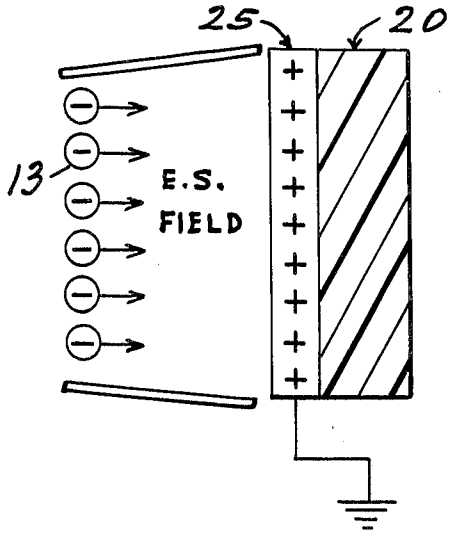


FIG-3-

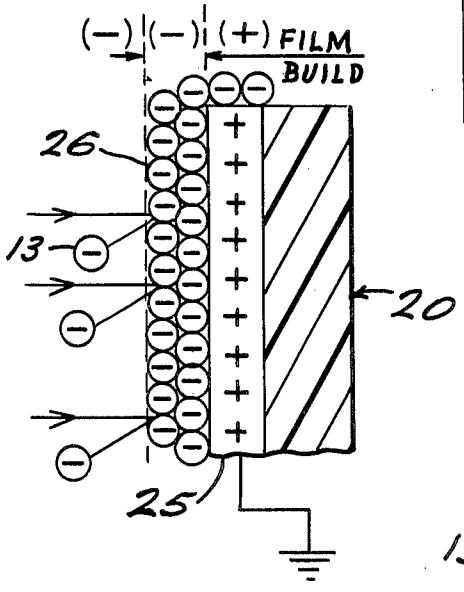


FIG-4-

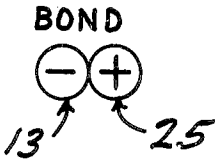


FIG-5-

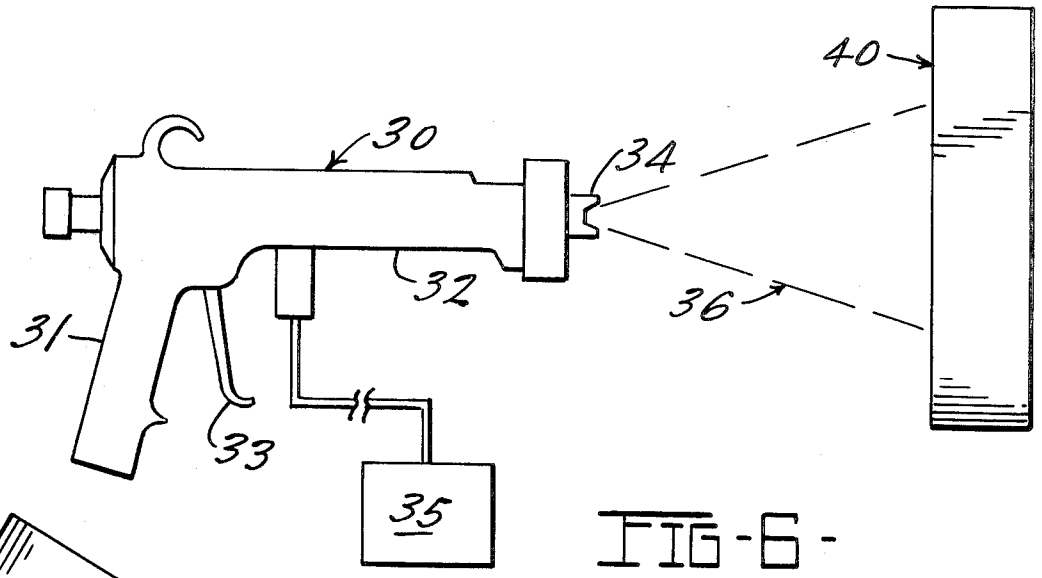


FIG-6-

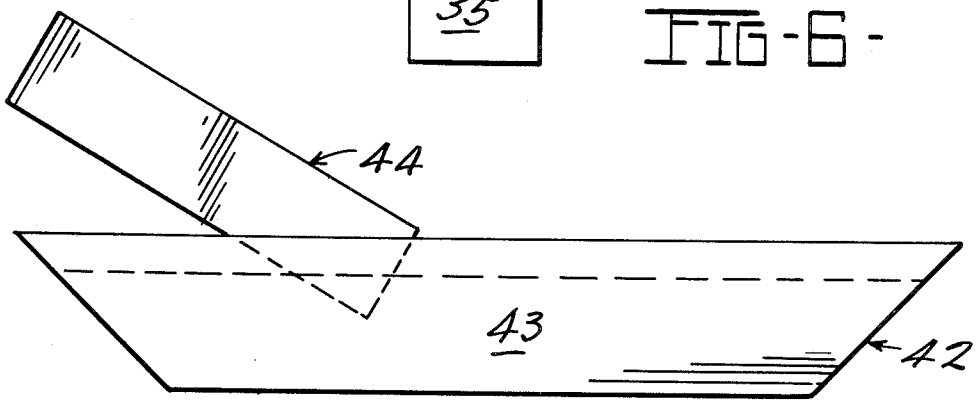


FIG-7-

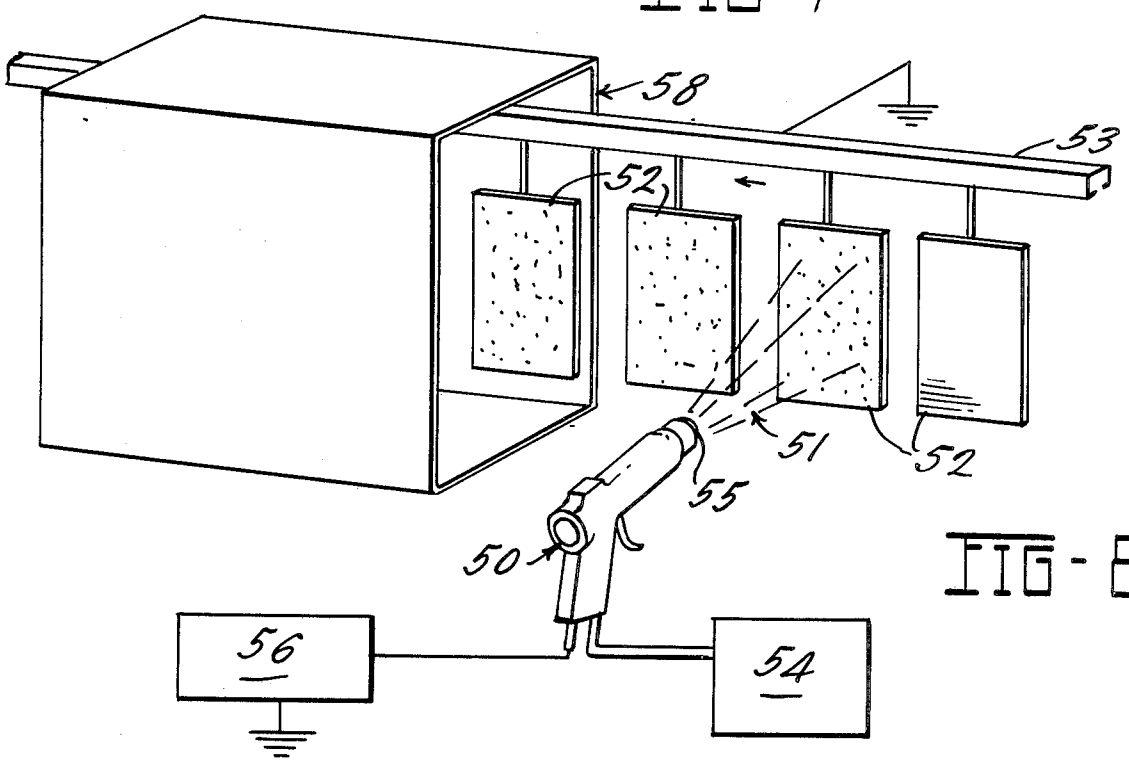


FIG-8-

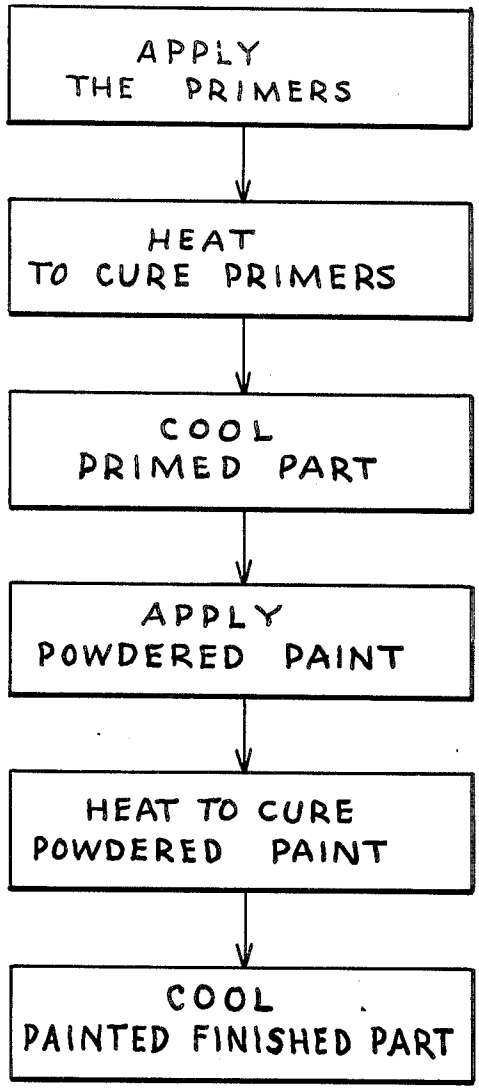

APPLY THE PRIMERS
HEAT TO CURE PRIMERS
COOL PRIMED PART
APPLY POWDERED PAINT
HEAT TO CURE POWDERED PAINT
COOL PAINTED FINISHED PART

FIG - 9 -