

- [54] **METHOD OF PIGMENTATION CONTROL FOR THERMOPLASTIC FILM**
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[22] Filed: **Dec. 23, 1974**

Primary Examiner—Edward J. Wise

[21] Appl. No.: **535,268**

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Related U.S. Application Data

- [63] Continuation-in-part of Ser. No. 444,444, Feb. 21, 1974, abandoned.
- [52] U.S. Cl. **235/151.1; 235/151.35; 425/141**
- [51] Int. Cl.² **G01D 21/00; G06F 15/46**
- [58] Field of Search **235/151.1, 151.3, 151.35, 235/151.33, 151.13; 425/140, 141; 177/60; 250/277; 118/7-9; 156/64; 28/72.6, 76**

[57] **ABSTRACT**

A nucleonic thickness gauge measures the total electron density of a pigmented thermoplastic film from which a product density and thickness may be derived. The amount of pigment admixed with the thermoplastic film resin in an extruder is controlled in response to a comparison between the thickness measured with the nucleonic gauge and the thickness determined from the actual product weight.

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12 Claims, 5 Drawing Figures

Published under Second Trial Voluntary Protest Program (938 O.G. 945, Sept. 16, 1975)

