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(12) **United States Patent**  
**Janssen**

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(54) **METHOD FOR PRODUCING A SUBSTANTIALLY CONTINUOUS, NONPOROUS THERMOPLASTIC COATING AND ARTICLES CONSTRUCTED THEREFROM**

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**Related U.S. Application Data**

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.** ..... **156/230; 156/244.11; 156/244.27; 427/148; 427/208.2; 427/365; 427/420**

(58) **Field of Search** ..... 156/244.11, 230, 156/231, 232, 233, 238, 239, 242, 244.27, 246, 247, 259; 427/427, 424, 208.2, 208.4, 146, 147, 148, 365, 420

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(57) **ABSTRACT**

This invention relates to a non-contact coating method for producing a substantially continuous coating and articles constructed therefrom. This invention further relates to a non-contact slot coating method for producing a variety of coatings and laminations. This invention particularly relates to a method of coating a non-porous substrate including film, foil and paper with a molten thermoplastic composition which reduces streaking caused by particles such as impurities, fillers and superabsorbent polymers. This invention further relates to thermoplastic compositions useful in the present non-contact coating method.

**31 Claims, 14 Drawing Sheets**

