

[54] **POWDER CONTRAIL GENERATION** 2,045,865 6/1936 Morey..... 40/213  
 2,591,988 4/1952 Willcox..... 241/5 X  
 [75] Inventors: **Donald K. Werle**, Hillside; **Romas Kasparas**, Riverside; **Sidney Katz**, Chicago, all of Ill. 3,531,310 9/1970 Goodspeed et al..... 241/5 X  
 R15,771 2/1924 Savage..... 40/213

**FOREIGN PATENTS OR APPLICATIONS**

1,022,621 3/1966 United Kingdom..... 241/5

*Primary Examiner*—Trygve M. Blix  
*Assistant Examiner*—Barry L. Kelmachter  
*Attorney, Agent, or Firm*—Richard S. Sciascia; Joseph M. St. Amand

[73] Assignee: **The United States of America as represented by the Secretary of the Navy**, Washington, D.C.

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[58] **Field of Search** ..... 244/136; 40/213; 241/5, 241/29; 222/3, 4; 239/171; 116/28 R, 114 R, 114 F, 114 N, 124 R, 124 B, 124 C

[57] **ABSTRACT**

Light scattering pigment powder particles, surface treated to minimize interparticle cohesive forces, are dispensed from a jet mill deagglomerator as separate single particles to produce a powder contrail having maximum visibility or radiation scattering ability for a given weight material.

[56] **References Cited**

**UNITED STATES PATENTS**

1,619,183 3/1927 Bradner et al. .... 244/136

**12 Claims, 1 Drawing Figure**

