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Section: Front Page 1 of 4 pages

[Help](#)

[▲ Full Text](#)
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Go to Page:

 

Sections:

- Front Page**
- Drawings**
- Specifications**
- Claims**

United States Patent [19]

[11] **3,899,144**

Werle et al.

[45] **Aug. 12, 1975**

[54] **POWDER CONTRAIL GENERATION** 2,045,865 6/1936 Morey..... 40/213
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 [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

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

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[21] Appl. No.: **490,610**

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[51] Int. Cl.² **B64D 1/16**

[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

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

[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.

12 Claims, 1 Drawing Figure

