United States Patent [19]

Dyson

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[54] **VACUUM CLEANING APPLIANCE**

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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.** ..... **15/353**; 15/335; 55/345; 55/357; 55/429; 55/439; 55/459 R; 55/472; 55/DIG. 3

[58] **Field of Search** ..... 15/331, 334, 335, 353; 55/345, 357, 429, 439, 472, 436, 459 R, DIG. 3; 209/144; 210/512.1, 512.2

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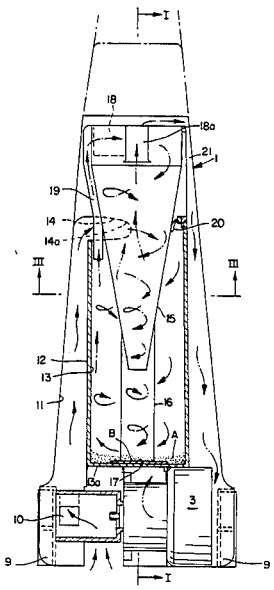
[57] **ABSTRACT**

A vacuum cleaning appliance comprises a lower efficiency cyclone unit and a high efficiency cyclone unit connected in series. This enables both large and fine dirt particles to be dealt with.

14 Claims, 3 Drawing Figures