

#### (12) United States Design Patent (10) Patent No.: US D605,753 S Smutney et al. (45) Date of Patent: \*\* Dec. 8, 2009

(57)

- (54) CARTRIDGE FOR A DRY POWDER INHALER
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7,258,118 B2\* 8/2007 Goede et al. ..... 128/203.19

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   LOC (9) Cl.
   29-02

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   U.S. Cl.
   D24/110

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   Field of Classification Search
   D24/110,

   D24/110.5;
   128/203.14, 203.15, 203.19,

   128/203.21, 203.28, 200.12, 200.14, 205.21;
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See application file for complete search history.

(56) **References Cited** 

U.S. PATENT DOCUMENTS

5,657,748 A \* 8/1997 Braithwaite ..... 128/203.15

The ornamental design for a cartridge for a dry powder inhaler, as shown and described.

CLAIM

#### DESCRIPTION

FIG. 1 is a side and top perspective view of our new cartridge design in a containment configuration..

FIG. 2 is a side and top perspective view of the cartridge in a dosing configuration.

FIG. 3 is a side view of the cartridge as shown in FIG. 1.
FIG. 4 is a back view of the cartridge as shown in FIG. 1.
FIG. 5 is a front view of the cartridge as shown in FIG. 2.
FIG. 6 is a top view of the cartridge as shown in FIG. 1; and,
FIG. 7 is a bottom view of the cartridge of FIG. 1.

#### 1 Claim, 4 Drawing Sheets



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# *FIG. 6*





