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(71) Applicant: DURA PHARMACEUTICALS, INC. [US/US]; 5880 Pacific Center Boulevard, San Diego, CA 92121 (US).
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(72) Inventors: SCHULTZ, Robert; 5880 Pacific Center Boulevard, San Diego, CA 92121 (US). WITHAM, Clyde; 5880 Pacific Center Boulevard, San Diego, CA 92121 (US). HILL, Malcolm; 5880 Pacific Center Boulevard, San Diego, CA 92121 (US).
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(74) Agents: OHRINER, Kenneth, H. et al.; Lyon & Lyon, L.L.P., Suite 4700, 633 West Fifth Street, Los Angeles, CA 90071-2066 (US).

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(54) Title: METHODS OF DRY POWDER INHALATION

(57) Abstract

A method for inhalation of a dry powder drug includes the steps of providing a dry powder drug composition having a drug particle size of from about 1-7 microns and a mass median aerodynamic diameter of the delivered aerosol of from about 3.5 to 5.5 microns. This composition is loaded into an inhaler which is generally flow rate independent, and with the inhaler having an inspiration flow resistance of about .12 to .21 $(cmH_2O)^{1/2}$ over the range of about 15-60 L/min. The patient inhales the drug composition from the inhaler with an inspiration flow rate of about 15-60 L/min, resulting in a delivery efficiency measured by respirable fraction greater than 20 %.