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(54) Title: COMPOSITIONS, METHODS AND SYSTEMS FOR AEROSOL DRUG DELIVERY

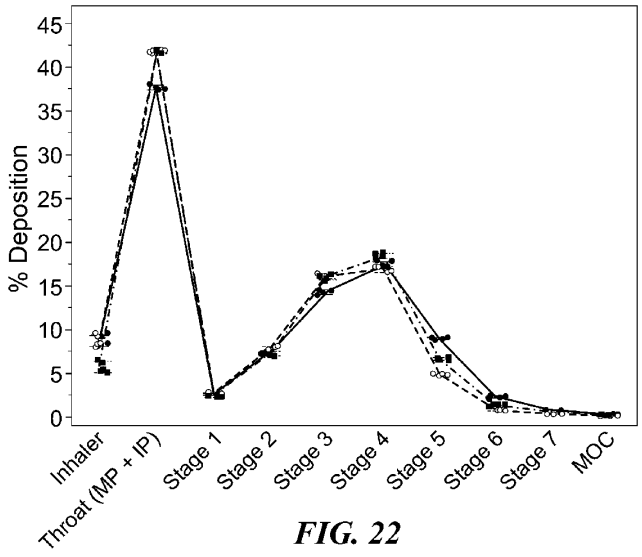


FIG. 22

(57) Abstract: Compositions, methods, and systems are provided for pulmonary delivery of active agents via a metered dose inhaler. In some embodiments, the compositions comprise an HFO-1234ze(E) suspension medium, active agent particles, and suspending particles. The active agent particles may comprise one, two, three or four active agent(s) selected from a long-acting muscarinic antagonist (LAMA), a long-acting β2-agonists (LABA), a short-acting beta-agonists (SABA), an inhaled corticosteroid (ICS), and a non-corticosteroid anti-inflammatory agent.

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