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(12) United States Patent

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(54) SELF-CONTAINED PORTABLE POSITIONABLE OSCILLATING MOTOR ARRAY INCLUDING DISPOSABLE AND/OR RECYCLABLE PORTIONS

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(57) ABSTRACT

In some embodiments, a system and/or method may include an inner wearable harness worn, during use, on a torso of a subject which includes a flexible vest. The system may include a plurality of engines, each of which are contained in a flexible container, which when activated apply an oscillation force. The system may include a positioning system which allows positioning the flexible container such that the oscillation force is applied to at least one treatment area of the subject. The oscillation force may mobilize, during use, at least some secretions in an airway within the subject substantially adjacent the treatment area. The system may include an outer harness worn, during use, on a torso of a subject. The outer wearable harness, when activated, adjusts the oscillation force applied by at least some of the activated plurality of engines to the treatment area by providing a compressive force.

22 Claims, 21 Drawing Sheets

