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(54) **ADHESIVE AND PERIPHERAL SYSTEMS AND METHODS FOR MEDICAL DEVICES**

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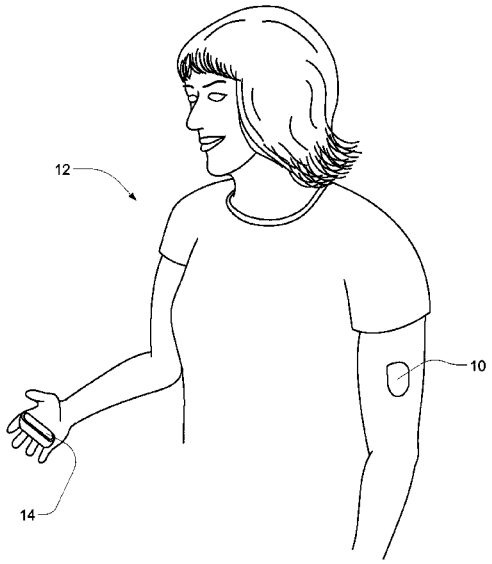
(57) **ABSTRACT**

A system is disclosed. The system includes a reservoir for containing a fluidic medium, the reservoir including a front surface, a resilient cylindrical flexure portion connected to the front surface, the resilient cylindrical flexure portion comprising an accordion-like structure that is able to expand and contract to change an interior volume within the resilient cylindrical flexure portion, a central passageway within the resilient cylindrical flexure, and a collection chamber connected to the central passageway. Also, a system including a reservoir, a plunger head located within the reservoir, a plunger arm connected to the plunger head, a driving shaft connected to the plunger arm, and a motor connected to the driving shaft, the motor controllable to move the drive shaft in a first motion and a second motion so as to move the advance plunger head and retract the plunger head within the reservoir.