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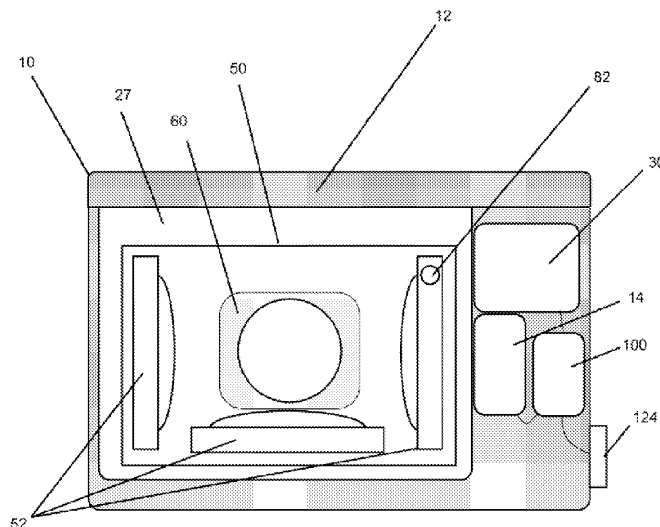


Figure 2

(57) Abstract: A portable device (10) for transporting a biological sample comprises: (a) a housing (11) accommodating a storage chamber (27) for receiving the biological sample; (b) a thermoregulation system for adjusting temperature of the storage chamber (27) comprising: a heat exchange system (30) for transferring heat between the biological sample and the storage chamber (27); a temperature monitoring system (82) for sensing the temperature of the storage chamber (27) and the biological sample; and a controller (100) for actively controlling operation of the heat exchange system (30) and storage chamber (27) temperature dependent on temperature sensed by the temperature monitoring system (82). The controller (100) operates the heat exchange system (30) to control storage chamber (27) temperature according to a selected temperature control program as commanded by the controller (100). The selected temperature control program may be selected by a user dependent on the nature of the biological sample with the portable device (10) being adapted to transport of a range of biological samples, whether organs, tissues or vaccines for example while allowing precise temperature control.

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