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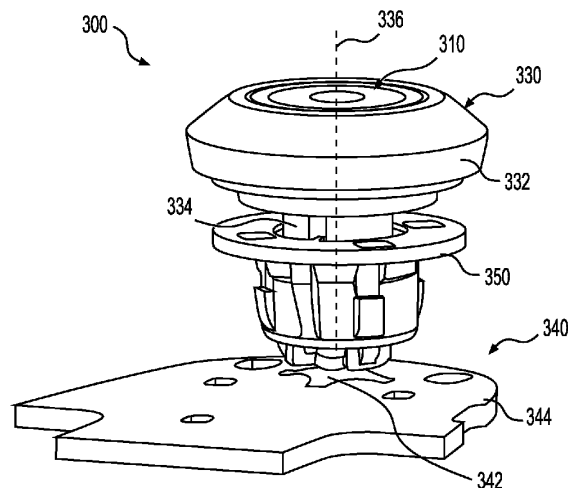


FIG. 3B

(57) Abstract: The present disclosure provides apparatuses and methods for measurement of the biocapacitance of tissue. The apparatus comprises a sensor comprising two electrodes, a movable element coupled to the sensor, and a switch disposed between the movable element and a fixed element, wherein the switch electrically closes when a gap between the movable element and the fixed element is less than or equal to a pre-determined value. The device makes a measurement of the biocapacitance between the two electrodes when the switch closes.

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