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(54) Title: SIGNAL ENHANCEMENT OF RESONANT SENSOR FOR CELL MEASUREMENTS

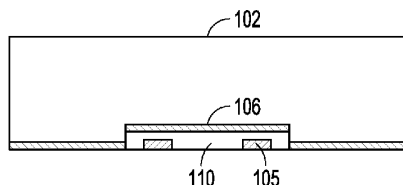


FIG. 2

(57) Abstract: A variety of applications can include cell-responsive structures to provide enhanced sensitivity of a resonant sensor in cell detection. A cell-responsive layer can be structured over a resonant sensor. The arrangement of the resonant sensor and the cell-responsive layer can be implemented as a resonant sensor to measure changes in cells. With the cell-responsive layer responsive to cells proximate to the cell-responsive layer, changes in resonant frequency of the arrangement of the resonant sensor and the cell-responsive layer over time at which the cells are proximate to the cell-responsive layer can be monitored. Interrogating the resonant sensor can be conducted wirelessly along with wirelessly transmitting data collected from the interrogation. Additional apparatus, systems, and methods are disclosed.

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