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(54) **DIAGNOSTIC TESTING AND ADAPTION**

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USPC 607/56, 57, 115, 116, 136, 137

See application file for complete search history.

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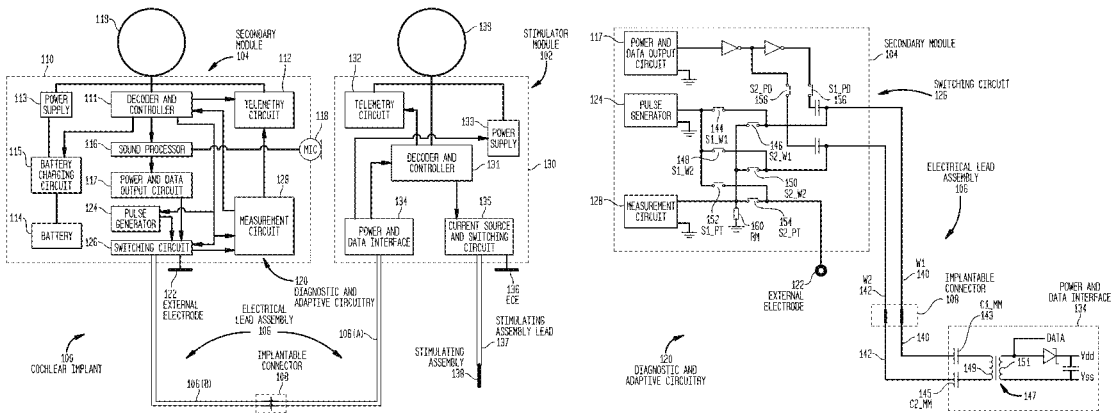
(57) **ABSTRACT**

Presented herein is diagnostic and adaptive circuitry for use in an implantable medical system (prosthesis) having at least two physically separate implantable modules (packages) that are electrically connected by a lead assembly (cable). The diagnostic and adaptive circuitry is configured to execute testing and adaptive (corrective) functions.

23 Claims, 22 Drawing Sheets