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(54) Title: MAGNETICALLY ISOLATING FEEDTHROUGH CONNECTOR

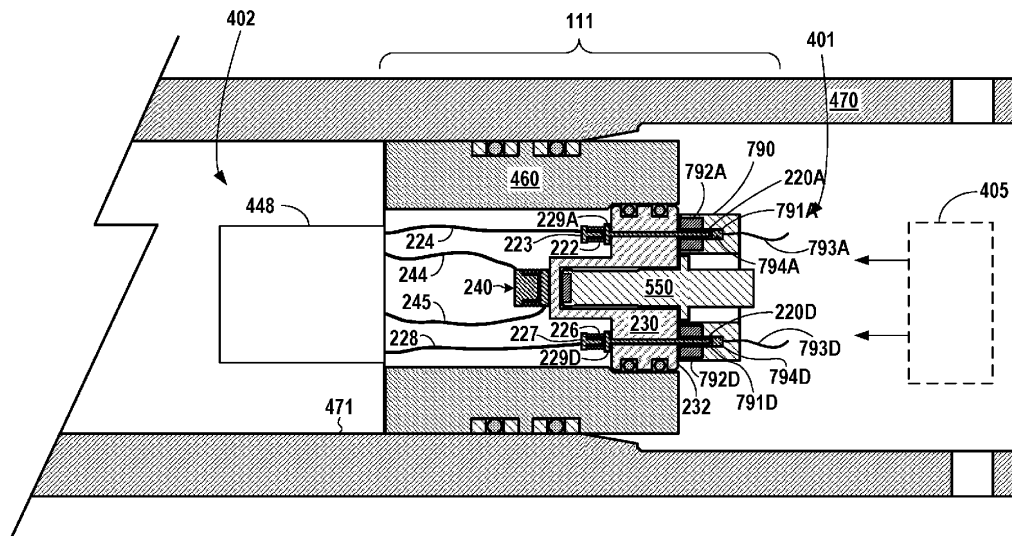


FIG. 8

(57) Abstract: A bulkhead connector configured to be positioned within a tool body of a completion or intervention tool for use in a wellbore, and to provide a pressure and fluid seal between an area or a compartment within the tool body where one or more downhole tools are located and any fluid(s) present in the wellbore. The bulkhead connector includes one or more electrical switches positioned on the "low pressure" or tool side of the bulkhead connector, the electrical switches configured to be actuated by magnetic force(s) provided by one or more magnetic elements positioned on the "high pressure" or fluid side of the bulkhead connector. The bulkhead connector including electrical contact(s) that extend through the bulkhead connector that may be connected and disconnected from leads utilizing the magnetic force(s) provided from the fluid side of the bulkhead connector.

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