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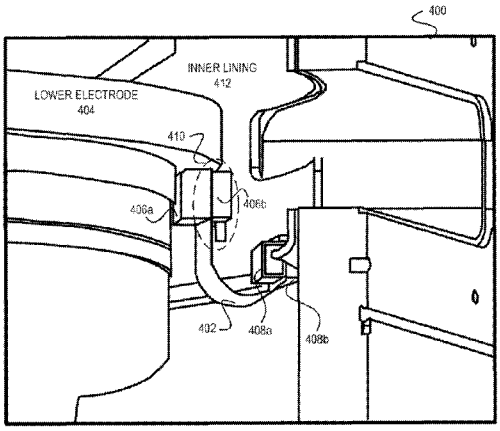


FIG. 4A

(57) Abstract: A detection circuit arrangement in a plasma processing chamber having movable lower electrode is provided. The arrangement includes flexible connector having a first flexible connector end, a second flexible connector end and at least a slit. At least portion of the slit is disposed in a direction parallel to a line drawn between two flexible connector ends. One end is coupled to the movable lower electrode and another end is coupled to a component of the plasma processing chamber. Flexible conductor provides low impedance current path between the movable lower electrode and the component of the plasma processing chamber. The arrangement also includes means for detecting current flow through connector material disposed on one side of the slit. The means for detecting includes at least a coil wound around the conductor material and a detector circuit coupled to the coil for detecting the current flow interruption due to a tear.

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