

Device System and Method for a Sensing Electrical Circuit

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DESCRIPTION

This technology is a electrical circuit for use in real time configuration switching circuit systems. The circuit has a driven ground i.e. current-measuring ground termination, including a resistor and an operational amplifier. An electric potential source (VS) i.e. direct current, drives a current through an impedance load (load Z) to the driven ground. The source excites a minus terminal of the operational amplifier for reactively generating an equal and opposite voltage that drives a net potential to approximately zero. The driven ground measures current, phase and frequency of the source. The source drives a current via the load to a natural ground.

FEATURES AND BENEFITS

- The circuit accurately detects and quantifies an insulative material such as dielectric, and operates in different sensing environments and sensing systems.
- The circuit provides precision guidance for a robot tool in different space/industry working environments.

APPLICATIONS

- Software Systems
- Internet
- Camera Sensors
- Detecting Insulators

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-14845-1, please contact:

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