



Capacitive Touch Sensor

[View U.S. Patent No. 10,127,835 in PDF format.](#)

WARF: P160417US01

Inventors: Hongrui Jiang, Jayfer Fernandes

The Invention

A capacitive touch sensor is provided, The capacitive touch sensor includes a plate having an upper surface and lying in a plate plane. A generally planar, first electrode is spaced from the plate along an axis generally perpendicular to the upper surface of the plate. The first electrode movable with respect to the plate in response to a force. A plurality of second electrodes are interconnected to the plate and circumferentially spaced about the axis. Each of the plurality of the second electrodes has a corresponding differential capacitance with the first electrode. The differential capacitances between the first electrode and the plurality of second electrodes vary in the response to the movement of the first electrode.

Additional Information

For More Information About the Inventors

- [Hongrui Jiang](#)

Tech Fields

- [Analytical Instrumentation, Methods & Materials : Sensors](#)
- [Education & Training : Medical & health](#)

For current licensing status, please contact Jeanine Burmania at jeanine@warf.org or 608-960-9846