

CAPACITIVE SENSOR

ABSTRACT

5 In a capacity type sensor including a guard electrode which is
disposed between a first electrode and a second electrode, an alternating
current potential difference between the first electrode and the guard
electrode is made substantially close to zero by a potential equalizing means,
and impedance change between the first electrode and the second electrode
10 is detected by a capacity type sensor detecting means, parasitic capacity
does not function as capacitor, and the effect of the parasitic capacity to
detected capacity can be cancelled in appearance, by making the potential
difference at both ends of the parasitic capacity which arises between the
first electrode and the guard electrode, smaller in appearance or
15 substantially zero, resultantly, only amount of capacity change can be
detected.