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(54) **METHOD AND APPARATUS FOR FORCE-BASED TOUCH INPUT**

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(57) **ABSTRACT**

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A force sensor for sensing a touch force applied to a touch surface is disclosed. The force sensor includes: a first element including an elastic element and a first capacitor plate having a first capacitive surface, the elastic element including at least part of the first capacitor plate; and a second element including a second capacitor plate opposed to the first capacitor plate; wherein transmission of at least part of the touch force through the elastic element contributes to a change in capacitance between the first capacitor plate and the second capacitor plate. The elastic element and the first capacitor plate may be integral. Other force sensors and methods for manufacturing said force sensors are also disclosed. Touch location devices suitable for use with the disclosed force sensors are also disclosed.

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