

by the fluid, the crossover locations forming mutual capacitance sensors for detecting touches.

**12.** The multi-touch sensor panel of claim **11**, wherein the first substrate is a cover glass having a first side capable of being touched, and a second side opposite the first side on which the plurality of first traces are formed.

**13.** The multi-touch sensor panel of claim **12**, further comprising a second substrate having the plurality of second traces formed thereon.

**14.** The multi-touch sensor panel of claim **11**, further comprising compressible spacers coupled between the plurality of first and second traces, the compressible spacers capable of being compressed during a touch and changing a mutual capacitance of the mutual capacitance sensors.

**15.** The multi-touch sensor panel of claim **11**, further comprising a chip on glass coupled to the first substrate, the chip on glass including sensor panel circuitry.

**16.** The multi-touch sensor panel of claim **11**, further comprising a liquid crystal display (LCD) module coupled to the multi-touch sensor panel.

**17.** The multi-touch sensor panel of claim **16**, the multi-touch sensor panel incorporated into a computing system.

**18.** The multi-touch sensor panel of claim **17**, the computing system incorporated into a mobile telephone.

**19.** The multi-touch sensor panel of claim **17**, the computing system incorporated into a digital audio player.

**20.** A mobile telephone including a multi-touch sensor panel, the multi-touch sensor panel comprising:

a first substrate having a plurality of first traces of substantially transparent conductive material formed thereon;  
a plurality of second traces of the substantially transparent material;

a fluid-tight gap formed between the plurality of first and second traces; and

a fluid having substantially no bubbles and an optical index similar to the optical index of the plurality of first and second traces held within the fluid-tight gap, the fluid for making the gap and the plurality of first and second traces substantially transparent;

wherein the plurality of first and second traces are oriented to cross over each other at crossover locations separated by the fluid, the crossover locations forming mutual capacitance sensors for detecting touches.

**21.** A digital audio player including a multi-touch sensor panel, the multi-touch sensor panel comprising:

a first substrate having a plurality of first traces of substantially transparent conductive material formed thereon;  
a plurality of second traces of the substantially transparent material;

a fluid-tight gap formed between the plurality of first and second traces; and

a fluid having substantially no bubbles and an optical index similar to the optical index of the plurality of first and second traces held within the fluid-tight gap, the fluid for making the gap and the plurality of first and second traces substantially transparent;

wherein the plurality of first and second traces are oriented to cross over each other at crossover locations separated by the fluid, the crossover locations forming mutual capacitance sensors for detecting touches.

**22.** A multi-touch sensor panel, comprising:

a plurality of first traces and a plurality of second traces of substantially transparent conductive material, the plurality of second and first traces oriented to cross over each other at crossover locations, the crossover locations forming mutual capacitance sensors for detecting touches; and

a fluid separating the second and first traces, the fluid having substantially no bubbles and an optical index similar to the optical index of the first and second traces to make the first and second traces substantially transparent.

**23.** The multi-touch sensor panel of claim **22**, further comprising a first substrate upon which the plurality of first traces are formed, the first substrate being a cover glass having a first side capable of being touched, and a second side opposite the first side upon which the plurality of first traces are formed.

**24.** The multi-touch sensor panel of claim **23**, further comprising a second substrate having the plurality of second traces formed thereon.

**25.** The multi-touch sensor panel of claim **22**, further comprising compressible spacers coupled between the plurality of first and second traces, the compressible spacers capable of being compressed during a touch and changing a mutual capacitance of the mutual capacitance sensors.

**26.** The multi-touch sensor panel of claim **22**, further comprising a chip on glass coupled to the plurality of first traces, the chip on glass including sensor panel circuitry.

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