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(54) **HIGH TRANSPARENCY TOUCH SCREEN**

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(57) **ABSTRACT**

A touch sensor employs one or more transparent conductors incorporating a random pattern of voids. The voids are arranged according to a random pattern that maintains the electrical continuity of the transparent conductive layer. The touch sensor is manufactured by depositing a layer of a transparent conductor and forming voids in the transparent conductor. Formation of the voids may be used to achieve a selected sheet resistance of the conductive layer as well as to improve optical transmission through the touch sensor.

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