

Transparent electrodes for electro-tactile display

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There have been numerous attempts to present tactile sensation on visual display, such as vibrating the whole surface or presenting electro-static force. One such possibility is electro-tactile display that directly activates sensory nerves by electrical current from electrodes. Although it has potential to present rich tactile information, there has been no attempt to embed the electro-tactile display on visual display. We fabricated 8 by 8 transparent electrodes with 3mm spatial resolution using ITO substrate, and succeeded in presenting tactile patterns.

