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(54) **TRANSPARENT COMPOSITE NANOWIRE  
ELECTRODES**

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(57) **ABSTRACT**

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Composite electrodes and their methods of manufacture are disclosed. In one embodiment, an electrode may include a first layer including first particles, a second layer including conductive nanowires, and a third layer comprising second particles. The second layer may be disposed between and in electrical contact with the first layer and the third layer. The composite electrode may be substantially transparent in some embodiments.

