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ACTION

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(54) Title: ELECTRODE COMPOSITIONS HAVING IMPROVED CYCLING BEHAVIOR

(57) Abstract: An electrode composition that includes a plurality of composite particles and a plurality of electrically conductive diluent particles admixed with the composite particles. Each of the composite particles includes an electrochemically active metal particle and an electrically conductive layer partially covering the particle. In one aspect, the layer is present in an amount no greater than about 75 wt.% of the composite, while in another aspect the layer is present in an amount no greater than about 75 vol.% of the composite. Also featured are lithium ion batteries featuring electrodes made from these compositions.