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(54) **Title:** PRODUCTION OF NANOSTRUCTURED $\text{Li}_4\text{Ti}_5\text{O}_{12}$ WITH SUPERIOR HIGH RATE PERFORMANCE

(57) **Abstract:** A process of preparing nanostructured lithium titanate particles. The process contains the steps of providing a solvent containing a soft-template compound, a lithium ion-containing compound, and a titanium ion-containing compound; removing the solvent to obtain a lithium titanate precursor; and calcining the precursor followed by milling and annealing. Also disclosed is a nanostructured lithium titanate particle prepared by this process.

