

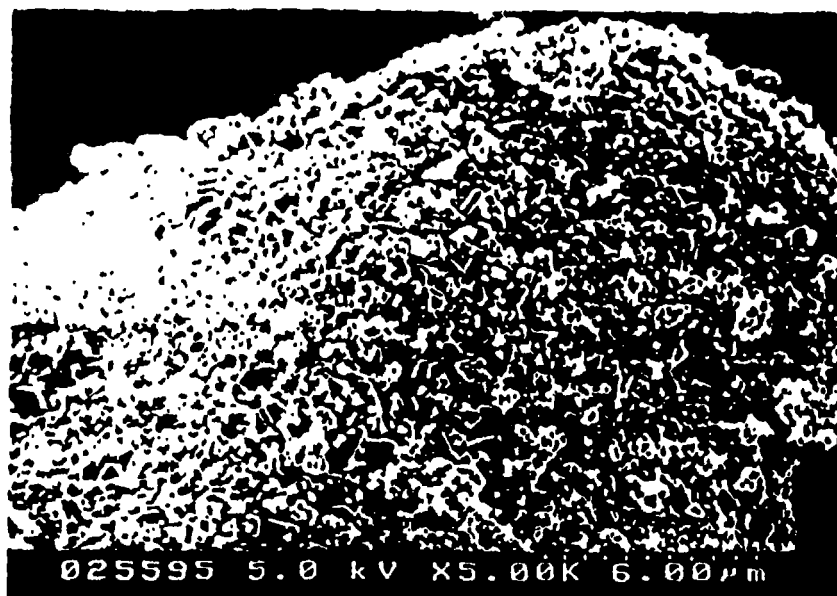


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(54) Title: METHOD FOR PRODUCING LITHIUM MANGANESE OXIDE INTERCALATION COMPOUNDS AND COMPOUNDS PRODUCED THEREBY		



(57) Abstract

Lithium manganese oxide intercalation compounds and methods of their preparation are disclosed. Such compounds are well-suited as electrodes in lithium battery applications. The novel compositions comprise crystallites of spinel $\text{Li}_{1+x}\text{Mn}_2\text{O}_4$, wherein $-0.5 < x < 0.2$, wherein the crystallites are characterized as well-shaped octahedra with average maximum crystalline dimension of greater than 2 micrometers and being formed into agglomerates having a surface area of less than $1\text{m}^2/\text{g}$.