

**LITHIUM MANGANESE OXIDE COMPOUND
AND METHOD OF PREPARATION**

ABSTRACT

A method for manufacturing $\text{Li}_2\text{M}_x\text{Mn}_{2-x}\text{O}_4$, comprising the steps of providing $\text{LiM}_x\text{Mn}_{2-x}\text{O}_4$; providing a source of lithium; dissolving lithium from the lithium source in a liquid medium in which lithium generates solvated electrons or the reduced form of an electron-transfer catalyst; and contacting the $\text{LiM}_x\text{Mn}_{2-x}\text{O}_4$ with the liquid medium containing the dissolved lithium and the solvated electrons or the reduced form of the electron-transfer catalyst, wherein M is selected from the group Al, Ti, V, Cr, Fe, Co, Ni, and Cu.

4-00310