

Title (en)
LITHIUM-CONTAINING MANGANESE OXIDES, PREPARATION METHOD AND USE AS POSITIVE ELECTRODE IN A LITHIUM CELL BATTERY

Title (de)
LITHIERTE MANGANOXIDE : VERFAHREN ZUR HERSTELLUNG UND IHRE VERWENDUNG ALS POSITIVE ELEKTRODE IN LITHIUM-HALTIGEN BATTERIEN

Title (fr)
OXYDES DE MANGANESE LITHIES, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION COMME ELECTRODE POSITIVE DANS UN ACCUMULATEUR AU LITHIUM

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Abstract (en)
[origin: FR2794741A1] The invention concerns lithium-containing manganese oxides of formula $\text{Li}_x\text{Mn}_{1-y}\text{Me}_y\text{O}_{2+\delta} \cdot n\text{H}_2\text{O}$ wherein: Me represents a transition metal, and x, y, delta and n are such that: $0.4 \leq x \leq 0.7$; $0 \leq y \leq 0.5$; $0.1 \leq \delta \leq 0.25$; $0 \leq n \leq 0.6$ having a tetragonal and hexagonal structure. Said oxides can be used as positive electrode material in lithium cell batteries on account of their high capacity which remains stable during several cycles.

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