

Title (en)

METHOD FOR PRODUCING LITHIUM-MANGANESE MIXED OXIDES AND THEIR USE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON LITHIUMMANGANMISCHOXIDEN UND DEREN VERWENDUNG

Title (fr)

PROCEDE DE FABRICATION D'OXYDES MIXTES LITHIUM-MANGANESE ET LEUR UTILISATION

Publication

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Application

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Abstract (en)

[origin: WO9900329A1] The invention relates to a method for producing mixed oxides with slightly variable electrochemical properties and spinel-type structures of formula (I): $\text{Li}_x\text{Me}_y\text{Mn}_{2-y}\text{O}_4$, in which Me is a metal cation from the II, III, IV, V and VI main groups or from the I, II, IV, V, VII or VIII subgroups of the periodic table of the elements, in particular a cation from the group of elements Al, Co, Cr, Fe, Ge, Mg, Nb, Ni, Sn, Ta, Te, V, W, Zn, and $0 \leq x \leq 2$ and $0 \leq y \leq 2$. The invention also relates to their use in producing manganese dioxide electrodes for galvanic cells, electrochemical cells, secondary batteries, in particular for prismatic and round cells.

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