

Title (en)

NOVEL FLUORINATED MATERIAL USABLE AS AN ACTIVE ELECTRODE MATERIAL

Title (de)

NEUER FLUORIRTER STOFF ZUR VERWENDUNG ALS AKTIVES ELEKTRODENMATERIAL

Title (fr)

NOUVEAU MATÉRIAU FLUORÉ UTILISABLE COMME MATIÈRE ACTIVE D'ÉLECTRODE

Publication

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Application

EP 12713212 A 20120308

Priority

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Abstract (en)

[origin: WO2012146842A1] The present invention relates to a fluorinated material usable as an active electrode material, and to a method for producing same. A material of the present invention consists of particles of a fluorosulfate of formula (I): $\text{Li}_{1-y}\text{Fe}_{1-x}\text{Mn}_x\text{SO}_4\text{F}$ (I), where $0 < x < 1$ and $0 < y < 1$. Said material is characterized in that it essentially includes a triplite structural phase and optionally aavorite structural phase. The triplite structural phase constitutes at least 50 vol %. A material (I) according to the invention can be obtained from the precursors of the elements constituting same by means of a ceramic, ionothermal, or polymeric process.

IPC 8 full level

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Citation (search report)

See references of WO 2012146842A1

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