

Title (en)
PROCESS FOR PREPARING PERFLUOROALKANE-1-SULFONYL (PERFLUOROALKYLSULFONYL) IMIDE-N-SULFONYL- CONTAINING METHANIDES, IMIDES AND SULFONATES, AND PERFLUOROALKANE-1-N- SULFONYLBIS(PERFLUOROALKYLSULFONYL) METHANIDES

Title (de)
PERFLUORALKAN-1-SULFONYL (PERFLUORALKYLSULFONYL) IMID-N-SULFONYL ENTHALTENDE METHANIDE, IMIDE UND SULFONATE, UND DEREN VERWENDUNG IN ELEKTROLYTSYSTEME

Title (fr)
PROCEDES DE PREPARATION DE METHANIDES, D'IMIDES ET DE SULFONATES CONTENANT DU PERFLUOROALCANE-1-SULFONYL (PERFLUOROALKYLESULFONYL) IMIDE-N-SULFONYLE, ET PERFLUOROALCANE-1-N- SULFONYLBIS(PERFLUORALKYLSULFONYL) METHANIDES

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Abstract (en)
[origin: DE19733948A1] The invention concerns compounds of formula (I): $M_2[R_1-SO_2-(CF_2)_n-SO_2-R]$, in which R and R₁ independently represent C(SO₂RF)₂, N(SO₂RF) or O (R) and C(SO₂RF)₂ or N(SO₂RF) (R₁); RF stands for (C_xF_{2x+1}); M stands for a counterion from the group composed of Li, Na, K, Cs, Rb, B^{1/2} and Mg^{1/2}, Sr^{1/2}, Ba^{1/2}; n equals 1, 2 or 3; and x equals 1, 2, 3 or 4. Also disclosed are processes for preparing the same, their use in electrolyte systems as conducting salts in lithium batteries, as well as electrolytes for lithium batteries containing compounds of general formula (I), but also secondary lithium batteries per se which contain corresponding electrolytes.

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IPC 8 full level
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