Title (en)

LITHIUM MANGANESE OXY-FLUORIDES FOR LI-ION RECHARGEABLE BATTERY ELECTRODES

Title (de)

LITHIUM MANGAN OXY-FLUORIDE FÜR ELEKTRODEN EINER AUFLADBAREN LI-IONEN-BATTERIE

Title (fr)

OXY-FLUORURES DE LITHIUM MANGANESE POUR ELECTRODES DE BATTERIES AUX IONS DE LITHIUM RECHARGEABLES

Publication

EP 0947012 A4 20000209 (EN)

Application

EP 97910695 A 19970904

Priority

- US 9715588 W 19970904
- US 70654696 A 19960906

Abstract (en)

[origin: WO9810476A1] The cycling stability and capacity of li-ion rechargeable batteries are improved by the use of lithium manganese oxy-fluoride electrode component intercalation materials having the general formula Li1+xMyMn2-x-yO4-zFz, where M is a metal, e.g., Co, Cr, or Fe, and x</=0.4, y</=0.3 and 0.05</=z</=1.0.

IPC 1-7

H01M 4/50; C01G 45/12

IPC 8 full level

C01G 45/00 (2006.01); **C01G 49/00** (2006.01); **C01G 51/00** (2006.01); **H01M 4/36** (2006.01); **H01M 4/50** (2006.01); **H01M 4/505** (2010.01); **H01M 4/58** (2006.01); H01M 4/02 (2006.01); H01M 4/1315 (2010.01); H01M 4/52 (2006.01); H01M 10/0525 (2010.01); H01M 10/36 (2006.01)

CPC (source: EP)

C01G 45/1242 (2013.01); **C01G 49/0018** (2013.01); **C01G 49/0072** (2013.01); **C01G 49/009** (2013.01); **C01G 51/54** (2013.01); **H01M 4/505** (2013.01); **H01M 4/582** (2013.01); C01P 2002/52 (2013.01); C01P 2002/54 (2013.01); C01P 2002/72 (2013.01); C01P 2002/77 (2013.01); C01P 2006/40 (2013.01); H01M 4/1315 (2013.01); H01M 10/0525 (2013.01); H01M 2004/028 (2013.01); Y02E 60/10 (2013.01)

Citation (search report)

- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 626 (E - 1636) 29 November 1994 (1994-11-29)
- See references of WO 9810476A1

Designated contracting state (EPC)

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