

Title (en)
LITHIATED MANGANESE OXIDE

Title (de)
LITHIIERTES MANGANOXID

Title (fr)
OXYDE DE MANGANESE AU LITHIUM

Publication
EP 1084515 A1 20010321 (EN)

Application
EP 99922890 A 19990510

Priority
• US 9910173 W 19990510
• US 7558698 A 19980511

Abstract (en)
[origin: WO9959215A1] A lithiated manganese oxide for use in primary lithium cells is described. The lithiated manganese oxide can be prepared by exposure to a lithium source under conditions that result in the formation of a modified manganese oxide phase. When the modified phase is used in a primary lithium cell, the operating voltage of an electrochemical cell containing the lithiated manganese oxide increases relative to the operating voltage of a cell containing a manganese dioxide that is not exposed to the lithium source.

IPC 1-7
H01M 4/50; C01G 45/02; H01M 6/14

IPC 8 full level
C01G 45/02 (2006.01); **C01G 45/00** (2006.01); **H01M 4/50** (2010.01); **H01M 6/16** (2006.01); **H01M 4/505** (2010.01)

CPC (source: EP)
C01G 45/02 (2013.01); **C01G 45/1228** (2013.01); **H01M 4/50** (2013.01); **C01P 2002/32** (2013.01); **C01P 2002/54** (2013.01);
C01P 2002/72 (2013.01); **C01P 2006/40** (2013.01); **H01M 4/505** (2013.01); **H01M 6/16** (2013.01); **Y02E 60/10** (2013.01)

Citation (search report)
See references of WO 9959215A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9959215 A1 19991118; WO 9959215 A9 20000316; AU 3978599 A 19991129; CN 1305644 A 20010725; EP 1084515 A1 20010321;
JP 2002515638 A 20020528; TW 477085 B 20020221

DOCDB simple family (application)
US 9910173 W 19990510; AU 3978599 A 19990510; CN 99807317 A 19990510; EP 99922890 A 19990510; JP 2000548930 A 19990510;
TW 88107616 A 19990511