

Title (en)

MAGNESIUM-BASED PRIMARY (NON-RECHARGEABLE) AND SECONDARY (RECHARGEABLE) BATTERIES

Title (de)

MAGNESIUM ENTHALTENDE PRIMÄRE (NICHT AUFLADBARE) UND SEKUNDÄRE (AUFLADBARE) BATTERIEN

Title (fr)

BATTERIES PRIMAIRES (NON RECHARGEABLES) ET SECONDAIRES (RECHARGEABLES) A BASE DE MAGNESIUM

Publication

EP 1205003 A1 20020515 (EN)

Application

EP 00949410 A 20000727

Priority

- EP 0007221 W 20000727
- IT PD990179 A 19990729

Abstract (en)

[origin: WO0109972A1] The batteries described herein are of the type comprising at least one anode, at least one cathode and at least one electrolyte, and current collectors, in which at least the anode is magnesium-based, and optionally also the cathode and the electrolyte contain magnesium. Assembly of the batteries involves the preparation of the individual components and the interposition of a thin layer of electrolyte between the magnesium-based anode and the cathode.

IPC 1-7

H01M 10/40; **H01M 4/02**

IPC 8 full level

H01M 4/02 (2006.01); **H01M 4/06** (2006.01); **H01M 4/13** (2010.01); **H01M 4/46** (2006.01); **H01M 4/64** (2006.01); **H01M 6/16** (2006.01); **H01M 6/18** (2006.01); **H01M 10/05** (2010.01); **H01M 10/0565** (2010.01); **H01M 10/40** (2006.01); **H01M 10/54** (2006.01); **H01M 4/38** (2006.01); **H01M 4/48** (2006.01); **H01M 4/485** (2010.01)

CPC (source: EP KR)

H01M 4/13 (2013.01 - EP); **H01M 4/381** (2013.01 - EP); **H01M 4/46** (2013.01 - KR); **H01M 10/0565** (2013.01 - EP); **H01M 10/54** (2013.01 - EP); **H01M 4/485** (2013.01 - EP); **H01M 6/16** (2013.01 - EP); **H01M 6/166** (2013.01 - EP); **H01M 6/181** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02W 30/84** (2015.05 - EP)

Citation (search report)

See references of WO 0109972A1

Cited by

US7537682B2; US8658309B2

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WO 0109972 A1 20010208; AU 6278000 A 20010219; CA 2380509 A1 20010208; CN 1365524 A 20020821; EP 1205003 A1 20020515; IL 147873 A0 20020814; IT 1307220 B1 20011029; IT PD990179 A1 20010129; JP 2003506832 A 20030218; KR 20020032540 A 20020503; RU 2269841 C2 20060210

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