

Title (en)
METHOD FOR OPERATING A BATTERY

Title (de)
VERFAHREN ZUM BETRIEB EINER BATTERIE

Title (fr)
PROCÉDÉ PERMETTANT DE FAIRE FONCTIONNER UNE BATTERIE

Publication
EP 2422399 A1 20120229 (DE)

Application
EP 10718072 A 20100420

Priority
• EP 2010002413 W 20100420
• DE 102009018079 A 20090420

Abstract (en)
[origin: WO2010121787A1] The task at hand is achieved by a method for operating a battery having at least one galvanic cell. The at least one galvanic cell is subjected at least temporally to an examination, particularly at a predetermined operating state of the battery or the galvanic cell.

IPC 8 full level
H01M 10/42 (2006.01); **G01N 23/04** (2006.01); **H01M 10/48** (2006.01)

CPC (source: EP KR US)
G01N 23/04 (2013.01 - KR); **H01M 10/0525** (2013.01 - KR); **H01M 10/4207** (2013.01 - EP KR US); **H01M 10/4285** (2013.01 - EP KR US); **H01M 10/48** (2013.01 - EP KR US); **G01N 2223/1016** (2013.01 - KR); **H01M 10/0525** (2013.01 - EP US); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)
See references of WO 2010121787A1

Citation (examination)
• JP H06333605 A 19941202 - HITACHI LTD
• US 2008193840 A1 20080814 - SHIRANE TAKAYUKI [JP], et al
• JP 2001085062 A 20010330 - SHOWA DENKO KK
• US 2002166802 A1 20021114 - JUNG JAE-HYUN [KR], et al
• MANKE I ET AL: "In situ investigation of the discharge of alkaline Zn-MnO₂ batteries with synchrotron x-ray and neutron tomographies", APPLIED PHYSICS LETTERS, AIP, AMERICAN INSTITUTE OF PHYSICS, MELVILLE, NY, US, vol. 90, no. 21, 21 May 2007 (2007-05-21), pages 214102-1 - 214102-3, XP012095002, ISSN: 0003-6951, DOI: 10.1063/1.2742283
• HUANG W ET AL: "In situ Raman spectroscopic studies of electrochemical intercalation in Li_xMn₂O₄-based cathodes", JOURNAL OF POWER SOURCES, ELSEVIER SA, CH, vol. 81-82, 1 September 1999 (1999-09-01), pages 616 - 620, XP004363229, ISSN: 0378-7753, DOI: 10.1016/S0378-7753(99)00231-1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102009018079 A1 20101021; BR PI1009362 A2 20160308; CN 102598392 A 20120718; EP 2422399 A1 20120229; JP 2012524385 A 20121011; KR 20120030053 A 20120327; US 2012148880 A1 20120614; WO 2010121787 A1 20101028

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DE 102009018079 A 20090420; BR PI1009362 A 20100420; CN 201080017668 A 20100420; EP 10718072 A 20100420; EP 2010002413 W 20100420; JP 2012506387 A 20100420; KR 20117027542 A 20100420; US 201013265239 A 20100420