

Title (en)

ELECTROCHEMICAL CELL SAFETY DIAGNOSTICS

Title (de)

SICHERHEITSDIAGNOSE FÜR ELEKTROCHEMISCHE ZELLEN

Title (fr)

DIAGNOSTIC DE SÉCURITÉ DE CELLULE ÉLECTROCHIMIQUE

Publication

EP 4268347 A1 20231101 (EN)

Application

EP 21841120 A 20211215

Priority

- US 202063131068 P 20201228
- US 202117528351 A 20211117
- US 2021063458 W 20211215

Abstract (en)

[origin: WO2022146690A1] At least one electrochemical cell is charged to a predetermined voltage of the electrochemical cell using an external power source. A charging current of the at least one electrochemical cell is monitored. An increase in the charging current is detected at the predetermined voltage of the at least one electrochemical cell. It is determined that the at least one electrochemical cell is in danger of experiencing a performance decrease based on the detected increase in the charging current.

IPC 8 full level

H02J 7/00 (2006.01); **G01R 31/392** (2019.01); **H01M 10/48** (2006.01)

CPC (source: EP)

H01M 10/44 (2013.01); **H01M 10/48** (2013.01); **H02J 7/005** (2020.01); **H02J 7/00714** (2020.01)

Citation (search report)

See references of WO 2022146690A1

Designated contracting state (EPC)

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BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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DOCDB simple family (application)

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