

Title (en)

COVER ASSEMBLY FOR AN ELECTROCHEMICAL CELL, CORRESPONDING ELECTROCHEMICAL CELL AND BATTERY

Title (de)

ABDECKUNGSANORDNUNG FÜR EINE ELEKTROCHEMISCHE ZELLE, ENTSPRECHENDE ELEKTROCHEMISCHE ZELLE UND BATTERIE

Title (fr)

ENSEMBLE DE RECOUVREMENT POUR CELLULE ÉLECTROCHIMIQUE, CELLULE ÉLECTROCHIMIQUE ET BATTERIE CORRESPONDANTES

Publication

EP 4342016 A1 20240327 (EN)

Application

EP 21758747 A 20210519

Priority

IB 2021000479 W 20210519

Abstract (en)

[origin: WO2022243716A1] This cover assembly for a secondary electrochemical cell comprises a cover plate (36), a negative terminal (16), a positive terminal (18). The negative terminal or the positive terminal comprises a terminal assembly (40), which comprises a terminal plate (50) adapted to be brought in contact with a connector; a terminal base (52) adapted to be electrically connected to a collector of the electrochemical cell; and a fuse (54) adapted to melt when subject to a determined rated electrical current and/or a determined rated electrical voltage. The fuse provides in the unmelted state an electrical connection of the terminal plate with the terminal base. The fuse (54) is adapted to, when melting, electrically separate the terminal plate from the terminal base and, upon melting, becoming molten fuse material. The terminal assembly comprises a fuse cavity (80) adapted to receive the molten fuse material.

IPC 8 full level

H01M 10/0525 (2010.01); **H01M 50/15** (2021.01); **H01M 50/176** (2021.01); **H01M 50/528** (2021.01); **H01M 50/552** (2021.01); **H01M 50/583** (2021.01)

CPC (source: EP)

H01M 10/0525 (2013.01); **H01M 50/15** (2021.01); **H01M 50/176** (2021.01); **H01M 50/528** (2021.01); **H01M 50/552** (2021.01); **H01M 50/583** (2021.01); **H01M 50/553** (2021.01); **Y02E 60/10** (2013.01)

Citation (search report)

See references of WO 2022243716A1

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