

Title (en)

NEGATIVE ELECTRODE COMPRISING AN ELECTROCHEMICALLY ACTIVE ZINC MATERIAL

Title (de)

NEGATIVE ELEKTRODE MIT EINEM ELEKTROCHEMISCH AKTIVEN ZINKMATERIAL

Title (fr)

ELECTRODE NÉGATIVE COMPRENANT UNE MATIÈRE ÉLECTROCHIMIQUEMENT ACTIVE EN ZINC

Publication

**EP 4305687 A1 20240117 (FR)**

Application

**EP 22711537 A 20220309**

Priority

- FR 2102475 A 20210312
- EP 2022055994 W 20220309

Abstract (en)

[origin: WO2022189485A1] A paste electrode comprising a current collector support which is coated on at least one of its faces with a coating composed of a composition comprising an active material comprising an alloy of zinc with one or more chemical elements, and one or more binders. This electrode may be used as an anode of an electrochemical element comprising alkaline electrolyte. The coating contains at most 0.5% by mass of mercury or mercury compound. The electrode in spite of this presents effective resistance to corrosion by the electrolyte.

IPC 8 full level

**H01M 4/42** (2006.01); **H01M 4/02** (2006.01); **H01M 4/48** (2010.01); **H01M 4/62** (2006.01); **H01M 4/66** (2006.01)

CPC (source: EP US)

**H01M 4/24** (2013.01 - US); **H01M 4/42** (2013.01 - EP US); **H01M 4/48** (2013.01 - EP); **H01M 4/62** (2013.01 - EP); **H01M 4/622** (2013.01 - EP); **H01M 4/661** (2013.01 - EP); **H01M 10/32** (2013.01 - US); **H01M 2004/021** (2013.01 - US); **H01M 2004/027** (2013.01 - EP)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022189485 A1 20220915**; EP 4305687 A1 20240117; FR 3120744 A1 20220916; FR 3120744 B1 20230512; US 2024162429 A1 20240516

DOCDB simple family (application)

**EP 2022055994 W 20220309**; EP 22711537 A 20220309; FR 2102475 A 20210312; US 202218281407 A 20220309