

Title (en)
LIQUID ELECTROLYTE COMPOSITION, AND ELECTROCHEMICAL CELL COMPRISING SAID ELECTROLYTE COMPOSITION

Title (de)
FLÜSSIGE ELEKTROLYTZUSAMMENSETZUNG SOWIE EINE ELEKTROCHEMISCHE ZELLE MIT DER ELEKTROLYTZUSAMMENSETZUNG

Title (fr)
COMPOSITION D'ÉLECTROLYTE LIQUIDE ET CELLULE ÉLECTROCHIMIQUE COMPRENANT LADITE COMPOSITION D'ÉLECTROLYTE

Publication
EP 4374445 A1 20240529 (DE)

Application
EP 22754785 A 20220713

Priority
• DE 102021118811 A 20210721
• EP 2022069658 W 20220713

Abstract (en)
[origin: WO2023001671A1] The invention relates to a liquid electrolyte composition for an electrochemical cell, comprising the following components: (A) sulfur dioxide; (B) at least one salt, said salt containing an anionic complex with at least one bidentate ligand. The ligand along with the central ion Z of the anionic complex forms a five- to eight-membered ring containing a sequence of 2 to 5 carbon atoms, said sequence being optionally interrupted by a heteroatom.

IPC 8 full level
H01M 10/0525 (2010.01); **H01M 4/38** (2006.01); **H01M 4/46** (2006.01); **H01M 4/48** (2010.01); **H01M 4/485** (2010.01); **H01M 4/505** (2010.01); **H01M 4/525** (2010.01); **H01M 4/58** (2010.01); **H01M 4/587** (2010.01); **H01M 10/052** (2010.01); **H01M 10/0563** (2010.01)

CPC (source: EP)
H01M 10/052 (2013.01); **H01M 10/0525** (2013.01); **H01M 10/0563** (2013.01); **H01M 4/38** (2013.01); **H01M 4/382** (2013.01); **H01M 4/386** (2013.01); **H01M 4/387** (2013.01); **H01M 4/463** (2013.01); **H01M 4/483** (2013.01); **H01M 4/485** (2013.01); **H01M 4/505** (2013.01); **H01M 4/525** (2013.01); **H01M 4/5825** (2013.01); **H01M 4/587** (2013.01); **H01M 2300/002** (2013.01); **Y02E 60/10** (2013.01)

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)
DE 102021118811 A1 20230126; CN 117642899 A 20240301; DE 102022130388 A1 20240118; DE 102023101150 A1 20240118; EP 4374445 A1 20240529; WO 2023001670 A1 20230126; WO 2023001671 A1 20230126

DOCDB simple family (application)
DE 102021118811 A 20210721; CN 202280048915 A 20220713; DE 102022130388 A 20221117; DE 102023101150 A 20230118; EP 2022069658 W 20220713; EP 2022069660 W 20220713; EP 22754785 A 20220713