Title (en)

FLUORINATED ELECTROLYTE COMPOSITION FOR A LITHIUM-ION ELECTROCHEMICAL ELEMENT

Title (de)

FLUORIERTE ELEKTROLYTZUSAMMENSETZUNG FÜR EIN ELEKTROCHEMISCHES LITHIUM-IONEN-ELEMENT

Title (fr)

COMPOSITION D'ÉLECTROLYTE FLUORÉ POUR ÉLÉMENT ÉLECTROCHIMIQUE DE TYPE LITHIUM-ION

Publication

**EP 4022707 A1 20220706 (FR)**

Application

**EP 20757914 A 20200821**

Priority

- FR 1909501 A 20190829
- EP 2020073497 W 20200821

Abstract (en)

[origin: WO2021037721A1] Disclosed is an electrolyte composition comprising: a) a solvent comprising: i) either a mixture of 1,1,1,3,3,3-hexafluoro-2-methoxypropane (HFMP) or of 1,1,1,3,3,3-hexafluoro-2-(fluoromethoxy)propane (HFMFP), of monofluoroethylene carbonate (F1EC) and of 2,2,2-trifluoroethyl methyl carbonate (F3EMC), ii) or a mixture of 1,1,1,3,3,3-hexafluoro-2-methoxypropane (HFMP) or of 1,1,1,3,3,3-hexafluoro-2-(fluoromethoxy)propane (HFMFP), of monofluoroethylene carbonate (F1EC) and of 2,2,2-trifluoroethyl acetate (F3EA), b) at least one lithium salt, the cation of which is the cation of an alkali metal.

IPC 8 full level

**H01M 4/587** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0567** (2010.01); **H01M 10/0568** (2010.01); **H01M 10/0569** (2010.01)

CPC (source: EP US)

**H01M 4/587** (2013.01 - US); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0567** (2013.01 - US); **H01M 10/0569** (2013.01 - EP US); H01M 4/587 (2013.01 - EP); H01M 10/0567 (2013.01 - EP); H01M 10/0568 (2013.01 - EP); H01M 2004/027 (2013.01 - US); H01M 2300/0034 (2013.01 - EP); H01M 2300/004 (2013.01 - EP); H01M 2300/0042 (2013.01 - US); Y02E 60/10 (2013.01 - EP)

Citation (search report)

See references of WO 2021037721A1

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

DOCDB simple family (publication)

**WO 2021037721 A1 20210304**; CN 114303269 A 20220408; EP 4022707 A1 20220706; FR 3100384 A1 20210305; FR 3100384 B1 20210806; US 2023006257 A1 20230105

DOCDB simple family (application)

**EP 2020073497 W 20200821**; CN 202080060958 A 20200821; EP 20757914 A 20200821; FR 1909501 A 20190829; US 202017638442 A 20200821