

Title (en)

ELECTROLYTE COMPOSITION CONTAINING A MIXTURE OF LITHIUM SALTS

Title (de)

ELEKTROLYTZUSAMMENSETZUNG MIT EINER MISCHUNG AUS LITHIUMSALZEN

Title (fr)

COMPOSITION D'ELECTROLYTE COMPRENANT UN MÉLANGE DE SELS DE LITHIUM

Publication

EP 3973587 A1 20220330 (FR)

Application

EP 20737250 A 20200519

Priority

- FR 1905387 A 20190522
- FR 2020050829 W 20200519

Abstract (en)

[origin: WO2020234538A1] The invention relates to an electrolyte composition containing: lithium 2-trifluoromethyl-4,5-dicyanoimidazolate, lithium bis(fluorosulfonyl) imide, lithium nitrate, and at least one additive (A) allowing formation of a passivating SEI layer, and at least one non-aqueous solvent. The invention also relates to the uses thereof in a Li-ion battery.

IPC 8 full level

H01M 10/0568 (2010.01); **H01M 4/38** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0567** (2010.01); **H01M 10/0569** (2010.01)

CPC (source: CN EP KR US)

H01M 4/382 (2013.01 - EP KR); **H01M 10/052** (2013.01 - EP KR); **H01M 10/0525** (2013.01 - CN US); **H01M 10/0567** (2013.01 - CN EP KR US); **H01M 10/0568** (2013.01 - CN EP KR US); **H01M 10/0569** (2013.01 - CN US); **H01M 10/4235** (2013.01 - CN); **H01M 10/0569** (2013.01 - EP KR); **H01M 2220/20** (2013.01 - CN); **H01M 2220/30** (2013.01 - CN); **H01M 2300/0025** (2013.01 - EP KR US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

See references of WO 2020234538A1

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FR 2020050829 W 20200519; CN 202080036394 A 20200519; EP 20737250 A 20200519; FR 1905387 A 20190522; JP 2021568895 A 20200519; KR 20217041751 A 20200519; US 202017594258 A 20200519