

Title (en)
GELLED ELECTROLYTE FOR LITHIUM ION ELECTROCHEMICAL ELEMENT

Title (de)
GELIERTER ELEKTROLYT FÜR ELEKTROCHEMISCHES LITHIUMIONENELEMENT

Title (fr)
ÉLECTROLYTE GELIFIÉ POUR ÉLEMENT ÉLECTROCHIMIQUE LITHIUM ION

Publication
EP 4052314 A1 20220907 (FR)

Application
EP 20789623 A 20201015

Priority
• FR 1912192 A 20191030
• EP 2020079087 W 20201015

Abstract (en)
[origin: WO2021083681A1] A gel-type electrolyte comprising a matrix which is a poly(vinylidene fluoride-co-hexafluoropropylene) polymer in which is embedded a liquid mixture comprising at least one lithium salt and a solvent comprising at least one linear carbonate, the poly(vinylidene fluoride-co-hexafluoropropylene) polymer matrix representing 5 to 95% by weight in relation to the weight of the gel-type electrolyte, and the liquid mixture representing 95 to 5% by weight in relation to the weight of the gel-type electrolyte. This electrolyte exhibits increased stability with respect to oxidation and reduction.

IPC 8 full level
H01M 4/485 (2010.01); **H01M 4/505** (2010.01); **H01M 4/525** (2010.01); **H01M 4/58** (2010.01); **H01M 10/0525** (2010.01); **H01M 10/0565** (2010.01); **H01M 10/0568** (2010.01); **H01M 10/0569** (2010.01)

CPC (source: EP US)
H01M 4/485 (2013.01 - EP US); **H01M 4/505** (2013.01 - EP US); **H01M 4/525** (2013.01 - EP); **H01M 4/58** (2013.01 - US); **H01M 4/5825** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP US); **H01M 10/0565** (2013.01 - EP US); **H01M 10/0568** (2013.01 - EP); **H01M 10/0569** (2013.01 - EP); **H01M 2300/0028** (2013.01 - EP); **H01M 2300/0082** (2013.01 - US); **H01M 2300/0085** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
See references of WO 2021083681A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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