

Title (en)

COPOLYMERS OF ESTER AND ETHER UNITS, PROCESSES FOR PRODUCING SAME AND USES THEREOF

Title (de)

COPOLYMERE VON ESTER- UND ETHEREINHEITEN, VERFAHREN ZUR HERSTELLUNG DAVON UND VERWENDUNGEN DAVON

Title (fr)

COPOLYMÈRES D'UNITÉS ESTER ET ÉTHER, LEURS PROCÉDÉS DE FABRICATION ET LEURS UTILISATIONS

Publication

EP 3749705 A1 20201216 (FR)

Application

EP 19747279 A 20190205

Priority

- CA 2994005 A 20180205
- CA 2019050145 W 20190205

Abstract (en)

[origin: WO2019148299A1] The present technology relates to the polymers P1: polycaprolactone-block-polytetrahydrofuran-block-polycaprolactone diacrylate and P2: polycaprolactone-block-polytetrahydrofuran-block-polycaprolactone di-2-(2-methoxyethoxy)ester for use in an electrochemical cell, in particular in electrochemical storage batteries, such as lithium batteries, sodium batteries, potassium batteries and lithium-ion batteries. More specifically, the use of these polymers as a solid polymer electrolyte (SPE), as a matrix for forming gel electrolytes or else as a binder is also envisaged.

IPC 8 full level

C08G 63/66 (2006.01); **C08J 3/24** (2006.01); **C08L 67/00** (2006.01); **H01M 4/137** (2010.01); **H01M 4/62** (2006.01); **H01M 10/0565** (2010.01)

CPC (source: EP KR US)

C08F 220/06 (2013.01 - US); **C08F 220/18** (2013.01 - KR); **C08F 290/061** (2013.01 - KR US); **C08F 299/0492** (2013.01 - EP); **C08G 63/08** (2013.01 - EP US); **C08G 63/66** (2013.01 - KR US); **C08G 63/664** (2013.01 - EP); **C08G 63/912** (2013.01 - EP); **C08G 65/2603** (2013.01 - US); **C08J 3/24** (2013.01 - EP KR); **C08L 51/08** (2013.01 - KR); **C08L 67/00** (2013.01 - EP); **C08L 67/02** (2013.01 - KR); **H01G 11/56** (2013.01 - US); **H01M 4/137** (2013.01 - KR); **H01M 4/62** (2013.01 - KR); **H01M 4/622** (2013.01 - EP); **H01M 10/052** (2013.01 - EP); **H01M 10/0525** (2013.01 - EP US); **H01M 10/054** (2013.01 - EP); **H01M 10/0565** (2013.01 - EP KR US); **C08J 2367/04** (2013.01 - EP); **H01M 4/625** (2013.01 - EP); **H01M 2300/0082** (2013.01 - EP); **H01M 2300/0091** (2013.01 - US); **Y02E 60/10** (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

DOCDB simple family (publication)

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