Title (en)

SIC SEPARATOR AND SIC CELL

Title (de)

SIC-SEPARATOR UND SIC-ZELLE

Title (fr)

SÉPARATEUR EN SIC ET CELLULE EN SIC

Publication

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Application

EP 16805039 A 20161124

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Abstract (en)

[origin: WO2017093107A1] The invention relates to a separator and/or to a protective layer (4) for a lithium cell (1). In order to permit fast charging of the cell (1) and to prolong the service life of the cell (1), the separator and/or the protective layer (4) comprise a copolymer and/or a polymer mixture, wherein the copolymer comprises at least one repetition unit for forming a polymer having a lithium iron transference number > 0.7 and at least one mechanically stabilizing repetition unit, and/or wherein the polymer mixture comprises at least one polymer having a lithium ion transference number > 0.7 and at least one mechanically stabilizing polymer. The invention further relates to cells and to copolymers, polymer mixtures, and polymer electrolytes based on polymers having a lithium iron transference number > 0.7.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2017093107A1

Cited by

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