

Title (en)
BATTERY CONNECTIONS AND METALIZED FILM COMPONENTS IN ENERGY STORAGE DEVICES HAVING INTERNAL FUSES

Title (de)
BATTERIEANSCHLÜSSE UND METALLISIERTE FOLIENBAUTEILE IN ENERGIESPEICHERVORRICHTUNGEN MIT INTERNEN SICHERUNGEN

Title (fr)
CONNEXIONS DE BATTERIE ET COMPOSANTS DE FILM MÉTALLISÉS DANS DES DISPOSITIFS DE STOCKAGE D'ÉNERGIE À FUSIBLES INTERNES

Publication
EP 3853931 A1 20210728 (EN)

Application
EP 20819973 A 20201110

Priority
• US 201916698936 A 20191127
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Abstract (en)
[origin: WO2021108118A1] Provided is a lithium electrochemical energy generating and storage device comprising an anode, a cathode, at least one separator present between said anode and said cathode, an electrolyte, and at least one current collector in contact with at least one of said anode and said cathode; wherein said current collector exhibits a resistivity greater than 0.005 Ohm/square; and wherein said electrochemical device exhibits a 2 C capacity greater than 70% of the capacity measured at 0.5 C, such current collector further comprising an insulating support layer coated with at least one conductive layer, wherein said conductive layer has a thickness that is less than 2 microns.

IPC 8 full level
H01M 4/66 (2006.01); **H01M 10/058** (2010.01); **H01M 50/536** (2021.01)

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H01M 4/13 (2013.01 - EP KR); **H01M 4/64** (2013.01 - EP KR); **H01M 4/661** (2013.01 - CN); **H01M 4/667** (2013.01 - CN KR); **H01M 10/0525** (2013.01 - CN KR); **H01M 10/058** (2013.01 - CN KR); **Y02E 60/10** (2013.01 - EP)

Cited by
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US 2020059778 W 20201110; AU 2020391357 A 20201110; AU 2020391409 A 20201110; CA 3162966 A 20201110; CA 3163083 A 20201110; CN 202080006034 A 20201110; CN 202080006057 A 20201110; EP 20819973 A 20201110; EP 20821456 A 20201110; JP 2022530865 A 20201110; JP 2022530866 A 20201110; KR 20227021902 A 20201110; KR 20227021914 A 20201110; US 2020059794 W 20201110