

Title (en)

SOLID IONIC CONDUCTOR FOR RECHARGEABLE ELECTROCHEMICAL BATTERY CELLS

Title (de)

FESTIONENLEITER FÜR WIEDERAUFLADBARE ELEKTROCHEMISCHE BATTERIEZELLEN

Title (fr)

CONDUCTEURS D'IONS FIXE POUR ÉLÉMENTS DE BATTERIE ÉLECTROCHIMIQUES RECHARGEABLES

Publication

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Application

EP 18833226 A 20181220

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Abstract (en)

[origin: WO2019170274A1] The invention relates to a solid ionic conductor for a rechargeable non-aqueous electrochemical battery cell having the stoichiometric formula $K(ASXX')_p \times q SO_2$, where K represents a cation from the group of the alkali metals with $p=1$, of the alkaline-earth metals with $p=2$ or of the zinc group with $p=2$, A represents an element from the third main group, S represents sulfur, selenium or tellurium, X and X' represent a halogen, and the numerical value q is greater than 0 and less than or equal to 100.

IPC 8 full level

H01M 10/052 (2010.01); **C01F 7/68** (2006.01); **C01F 7/786** (2022.01); **C01G 15/00** (2006.01); **H01M 10/0525** (2010.01); **H01M 10/0562** (2010.01); **H01M 10/058** (2010.01)

CPC (source: EP IL KR RU US)

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Designated contracting state (EPC)

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