

Title (en)

SAGGER-LIKE RECEIVING ELEMENT, IN PARTICULAR A SAGGER FOR FIRING POWDERY CATHODE MATERIAL FOR LITHIUM-ION ACCUMULATORS, AND MIXTURE THEREFOR

Title (de)

KAPSELARTIGE AUFNAHME, INSBESONDERE KAPSEL ZUM BRENNEN VON PULVERFÖRMIGEM KATHODEN-MATERIAL FÜR LITHIUM-IONEN-AKKUS SOWIE MISCHUNG HIERFÜR

Title (fr)

LOGEMENT DU TYPE CAPSULE, EN PARTICULIER CAPSULE POUR LA COMBUSTION D'UN MATÉRIAU PULVÉRULENT DE CATHODE POUR DES BATTERIES LITHIUM-ION, AINSI QUE MÉLANGE POUR CELUI-CI

Publication

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Application

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Abstract (en)

[origin: WO2020002557A1] The invention relates to a sagger-like receiving element for firing powdery cathode materials, in particular for producing lithium-ion accumulators, formed from an in particular rectangular shell having four side walls and a base, wherein the receiving element is produced in a firing process from materials which are resistant to high temperatures, said materials withstanding temperatures, in particular, of more than 900 °C. The material of the sagger is produced based on an oxidically bound powdery SiC components having an SiC content in the range from 40.0 to 80 wt.0%, a powdery Al₂O₃ content in the range of 19.0 - 43.0 wt.%. and a likewise powdery SiO₂ support based on at least 90% SiO₂, wherein a suitable mixture is used.

IPC 8 full level

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