

Title (en)  
SOLID ELECTROLYTE FOR ELECTROCHEMICAL DEVICES

Title (de)  
FESTELEKTROLYT FÜR ELEKTROCHEMISCHE VORRICHTUNGEN

Title (fr)  
ELECTROLYTE SOLIDE POUR DISPOSITIFS ELECTROCHIMIQUES

Publication  
**EP 3766119 A1 20210120 (FR)**

Application  
**EP 19728502 A 20190506**

Priority  
• FR 1853923 A 20180507  
• FR 2019051032 W 20190506

Abstract (en)  
[origin: CA3098637A1] A method for manufacturing a solid electrolyte for a lithium-ion battery or a supercapacitor, deposited onto an electrode, comprising the following steps: a. providing a conductive substrate, previously covered with a layer of a material that can be used as an electrode ("electrode layer"); b. depositing an electrolyte layer onto said electrode layer, preferably by electrophoresis or by dip-coating, from a suspension of core-shell particles comprising, as a core, a particle of a material that can be used as an electrolyte or an electric isolator, on which a shell comprising PEO is grafted; c. drying the electrolyte layer that is thus obtained, preferably in an airflow; d. optionally densifying said electrolyte layer by mechanical compression and/or heat treatment.

IPC 8 full level  
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