

Title (en)  
POLYMER ELECTROLYTE, THE USE THEREOF AND AN ELECTROCHEMICAL DEVICE CONTAINING SAID POLYMER ELECTROLYTE

Title (de)  
POLYMERELEKTROLYT, VERWENDUNG DES POLYMERELEKTROLYTEN UND ELEKTROCHEMISCHE VORRICHTUNG, DIE DEN  
POLYMERELEKTROLYTEN UMFASST

Title (fr)  
ELECTROLYTE POLYMERE, UTILISATION DE CET ELECTROLYTE POLYMERE ET DISPOSITIF ELECTROCHIMIQUE COMPRENANT CET  
ELECTROLYTE POLYMERE

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Application  
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Abstract (en)  
[origin: WO2006100085A1] The invention relates to a polymer electrolyte comprising a lithium salt component and a polymer component, wherein said polymer component comprises at least one type of polymer compound whose repeating units comprise, at least partially, groups interacting with lithium salt component ions in such a way that the lithium salt dissociation is promoted. In such a manner, the high ion conductivity of the polymer electrolyte is provided by the interaction of the polymer component with the lithium salt component ions without a liquid component, i.e. without plasticizer or solvent. The inventive polymer electrolyte is particularly suitable for an electrochemical device, in particular for a battery or a storage battery. The use of said polymer electrolyte for producing an electrochemical device, in particular a battery or a storage battery, an electrochemical device containing said polymer electrolyte and a method for increasing the ion conductivity thereof are also disclosed.

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