

Title (en)

FUNCTIONALIZED COPOLY(M-PHENYLENE)-BASED SOLID POLYMER ELECTROLYTES

Title (de)

POLYMERE FESTKÖRPERELEKTROLYTE AUF BASIS FUNKTIONALISierter COPOLY(M-PHENYLEN)E

Title (fr)

ELECTROLYTES SOLIDES POLYMERES A BASE DE COPOLY(M-PHENYLENE)S FONCTIONNALISES

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Application

EP 96943846 A 19960828

Priority

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Abstract (en)

[origin: DE19535086A1] The invention concerns a solid polymer electrolyte with a hydrophobic backbone which is at least partially functionalized by ionic groups. The invention also concerns a process for preparing the copolymer according to the invention and a preferred use thereof. The invention is characterized in that the polymer backbone comprises a copoly(m-phenylene) which contains at least 20 mol.% m-phenylene units and has structure (a), in which R1 to R8 are hydrogen, aryl, oxyaryl, thioaryl, sulphonyl, carbonylaryl, oxyaryloxyaryl, hydroxyl or ionically dissociable groups.

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H01M 8/10; C25B 13/08

IPC 8 full level

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