

Title (en)

Deaggregated electrically conductive polymers and precursors thereof

Title (de)

Zersetzte, elektrisch leitfähige Polymere und ihre Verläufer

Title (fr)

Polymères électroconducteurs désagglomérés et leurs précurseurs

Publication

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Application

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Abstract (en)

Deaggregated substituted and unsubstituted polyparaphenylenes, polyparaphenylevevinylenes, polyanilines, polyazines, polythiophenes, poly-p-phenylene sulfides, polyfuranes, polypyrroles, polyselenophene, polyacetylenes formed from soluble precursors and combinations thereof and copolymers thereof and methods of fabrication are described. The deaggregated polymer molecules when subsequently doped show higher electrical conductivity. Agents such as lithium chloride, m-cresol and nonylphenol are used to deaggregate the polymer molecules. The deaggregating agents can be added prior to or during doping the molecules. <IMAGE>

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