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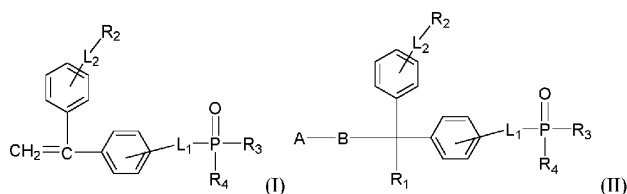
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(54) Title: BRUSH POLYMER TERMINATED WITH PHOSPHONATE FOR DIRECTED SELF-ASSEMBLY (DSA)



(57) Abstract: The disclosed subject matter relates compounds of structure (I), and polymers of structure (II) having a polydispersity ranging from 1 to about 1.1, compositions comprising said polymers and a spin casting solvent, the process of forming a pinning layer selectively on metal with said composition and the process of using said pinning layers to affect chemoeptaxy directed self-assembly of an overlying block copolymer, and the subsequent process of pattern transfer of this self-assembled layer into a substrate by etching.

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