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(54) Title: TRIBLOCK POLYMERS AND POLYMER COATINGS

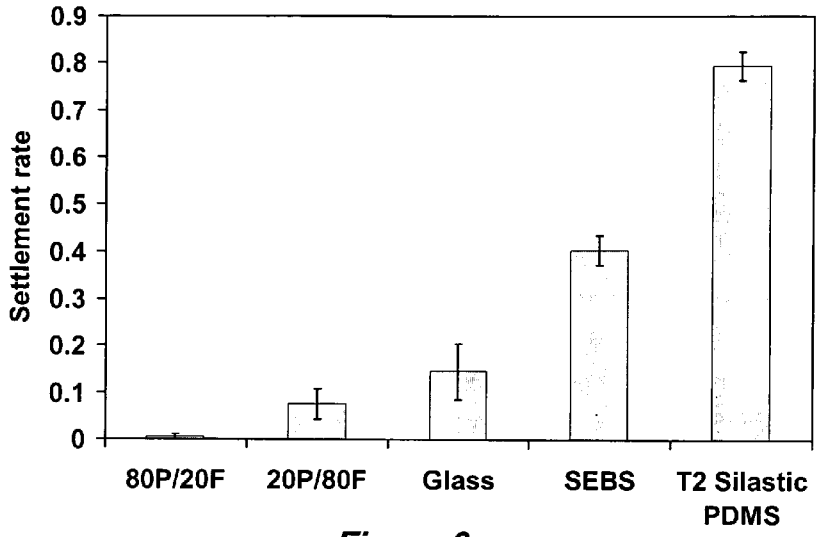


Figure 6

(57) Abstract: The invention provides novel polymers, including triblock polymers, as well as methods of preparing the polymers, and compositions that include such polymers. The polymers can include at least three blocks, the first block that includes poly(styrene), the second block that includes a random arrangement of poly(ethylene) and poly(butylene), and a third block that includes functionalized poly(isoprene). Units of the functionalized poly(isoprene) block can include hydroxyl groups and one or more ether linked side chains comprising R1, R^2, R^3, R^4, R^5, R^6, as defined herein, or a combination thereof. The polymers can be used to provide antifouling coatings, for example, for marine ship hulls.

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