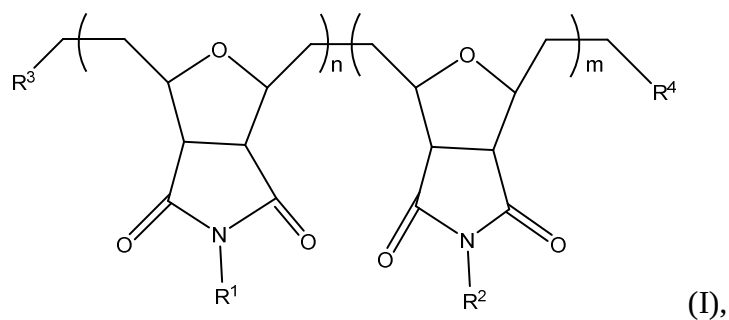


SELF-ASSEMBLING POLYMERS - II

ABSTRACT OF THE DISCLOSURE

Disclosed are self-assembling block copolymers including diblock copolymers of the formula (I):



wherein R^1 - R^4 , n , and m are as described herein, which find use in preparing nanoporous membranes. Embodiments of the membranes contain the diblock copolymer in a self-assembled nanostructure of cylindrical morphology. Also disclosed is a method of preparing such copolymers.

Figure 3A