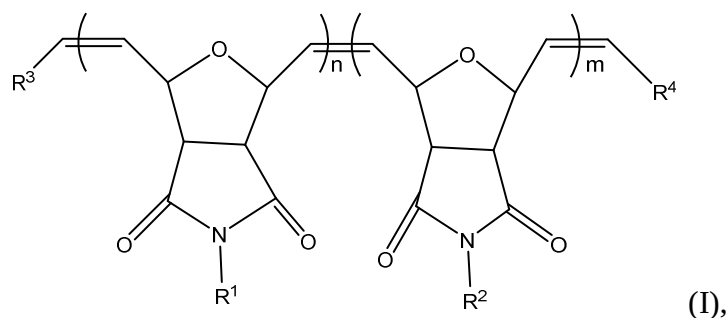


ABSTRACT OF THE DISCLOSURE

**SELF-ASSEMBLED STRUCTURE AND MEMBRANE COMPRISING BLOCK
COPOLYMER AND PROCESS FOR PRODUCING THE SAME BY SPIN COATING**
(Va)

Disclosed are self-assembled structures formed from a self-assembling diblock copolymer of the formula (I):



wherein R^1 - R^4 , n , and m are as described herein, which find use in preparing porous membranes. In an embodiment, the diblock copolymer is present in the self-assembled structures in a cylindrical morphology. Also disclosed is a method of preparing a self-assembled structure, which involves spin coating a polymer solution containing the diblock copolymer to obtain a thin film, followed by solvent annealing of the film.

Figure 2