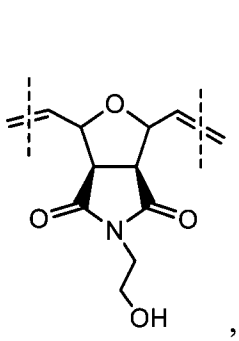
CLAIMS:

1. A composite hydrophilic porous membrane comprising a porous fluoropolymer support and a coating comprising a copolymer, wherein the copolymer comprises repeat units A and B, wherein A is of the formula:



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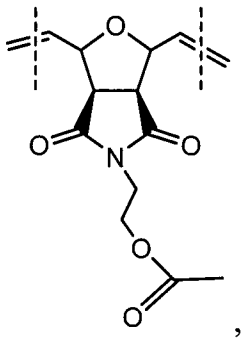

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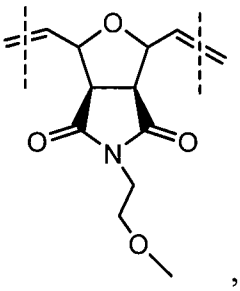

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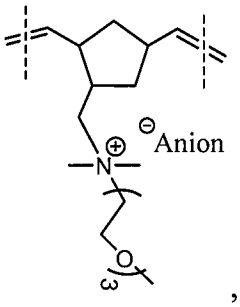

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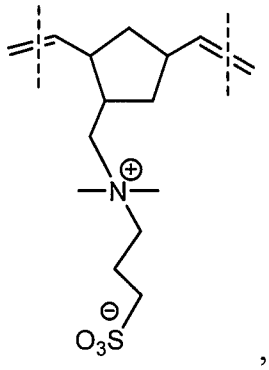

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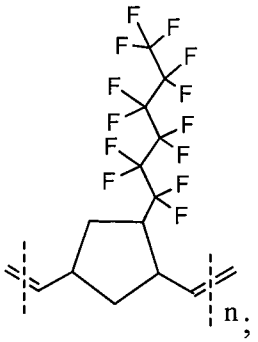
and B is of the formula


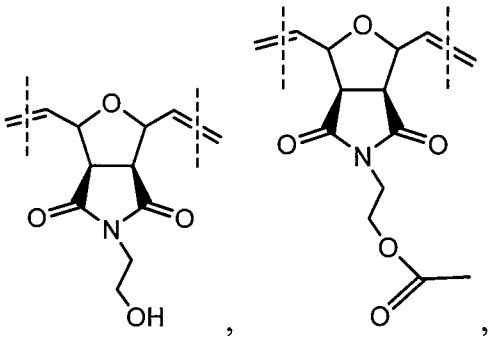
;

wherein:

the copolymer is a block copolymer or a random copolymer;

n and m, the number of repeat units B and A present in the copolymer, range from 1 to about 1000, provided the sum of n and m is equal to or greater than 10,

wherein the copolymer is optionally crosslinked.



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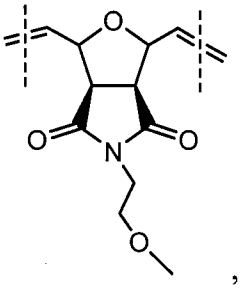
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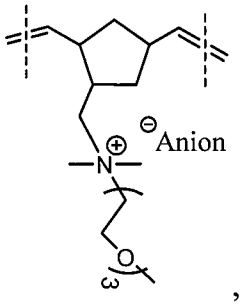

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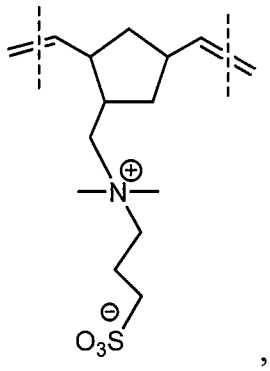

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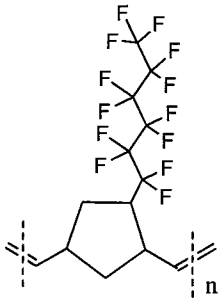
and B is of the formula 

;

wherein:

the copolymer is a block copolymer or a random copolymer;

n and m, the number of repeat units B and A present in the copolymer, range from 1 to about 1000, provided the sum of n and m is equal to or greater than 10;

(iii) drying the coated support from (ii) to remove at least some of the solvent from the solution comprising said copolymer; and optionally

(iv) crosslinking said copolymer present in the coated support.

7. The method of claim 6, wherein the copolymer has chain end groups selected from aryl groups and alkoxy groups.

8. The method of claim 6 or 7, wherein the copolymer is of one of the following formulae: