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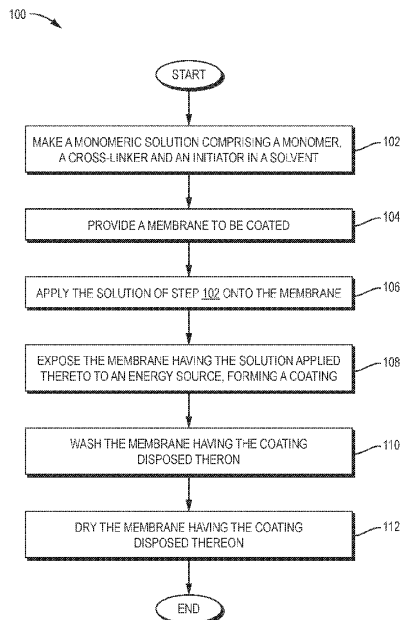
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(54) Title: SURFACE MODIFICATION FOR SUPERPHOBIC MEMBRANES



(57) Abstract: A porous polymeric membrane which comprises a porous membrane having an average pore size between about 0.001 and 10.0 microns formed of a first polymer, said substrate having a surface which is modified on its surface with a cross-linked second polymer formed from a polymerizable fluorine containing monomer that contains continuous chain of 5 carbon atoms or less with fluorine atoms, said monomer being polymerized and crosslinked on said membrane, said membrane contains less than 25 ppb of C6 PFCA (Perfluorocarboxylic acid), less than 25 ppb of C8 PFCA and less than 25 ppb of combined C9-14 PFCA.

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