

ABSTRACT**FLUOROPOLYMERS AND MEMBRANES COMPRISING FLUOROPOLYMERS**
(II)

Disclosed are a copolymer, porous membranes made from the copolymer, and a method of treating fluids to remove metal ions using the porous membranes, for example, from fluids originating in the microelectronics industry, wherein the copolymer includes monomeric units I and II, wherein monomeric unit I is of the formula $A-X-CH_2-B$, wherein A is $Rf-(CH_2)_n$, Rf is a perfluoro alkyl group of the formula $CF_3-(CF_2)_x$, wherein x is 3-12, n is 1-6, X is O or S, and B is vinylphenyl, and monomeric unit II is vinylpyridine.

(Figure 1)