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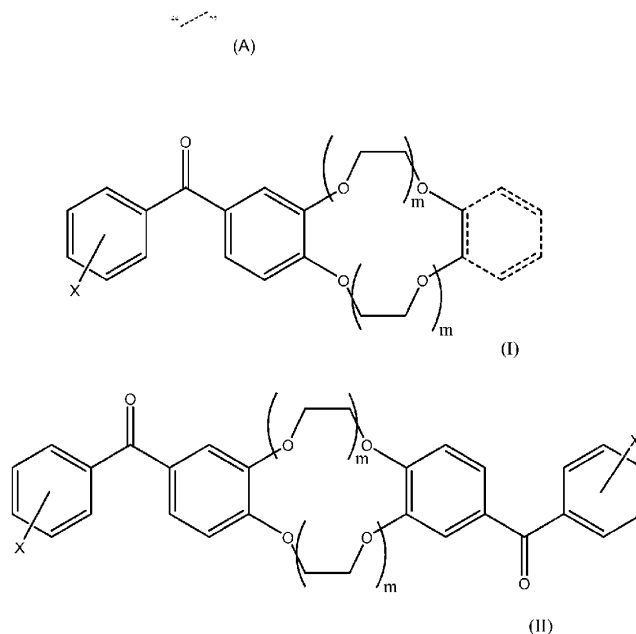
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(54) Title: CROWN ETHER AMINES AND METHODS OF USE



(57) Abstract: The invention provides a material comprising (i) a crown ether of formula (I) and/or (ii) a crown ether of formula (II), or a salt thereof, wherein each *m* independently is an integer from 1 to 8, each (A) designates an optionally present bond and/or structure, each *X* independently is $-N(R_1)_2$, $-N^*(R_1)$, $-N^{**}$, $-N^*(R_1)_2^+Z^-$, or $-N^{**}(R_1)^+Z^-$, provided at least one *X* is $-N^*(R_1)$, $-N^{**}$, $-N^*(R_1)_2^+Z^-$, or $-N^{**}(R_1)^+Z^-$, wherein each *R*₁ independently is hydrogen or C₁₋₆ alkyl, each *Z* is optionally present and independently is a counterion to balance the charge on nitrogen, and * represents a bond to a remainder of the material, a method of making the material, and a method of using the material.

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