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(54) Title: AN AQUEOUS SOLUTION FOR FORMING AN ALKYLTHIOL SELF-ASSEMBLED MONOLAYER AND A METHOD FOR FORMING THE SAME USING THE SOLUTION

(57) Abstract: The invention relates to an aqueous solution for forming an alkylthiol self-assembled monolayer on a substrate, the aqueous solution comprising an alkylthiol and a mixture of non-ionic surfactants for forming micelle networks within the aqueous solution. The invention also relates to a method for forming the alkylthiol self-assembled monolayer using the aqueous solution.

