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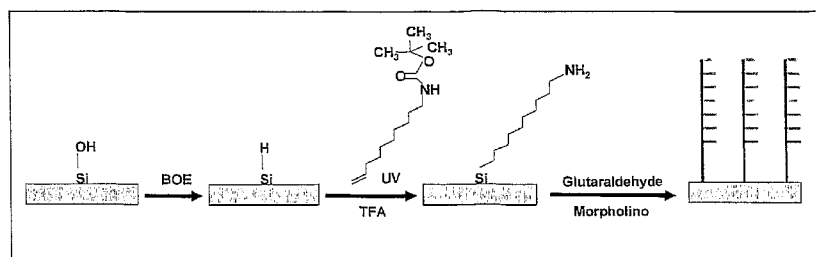
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(54) Title: SENSOR FOR DETECTION OF NUCLEIC ACID

Fig. 1



(57) Abstract: A sensor for detection of target nucleic acid comprising (a) a semiconductor nanostructure; and (b) a nucleic acid detection probe immobilized on the semiconductor nanostructure capable of hybridizing with the target nucleic acid, the detection probe comprising a polymer with a substantially non-ionic backbone.