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(54) Title: SIGNAL AMPLIFIED BIOLOGICAL DETECTION WITH CONJUGATED POLYMERS

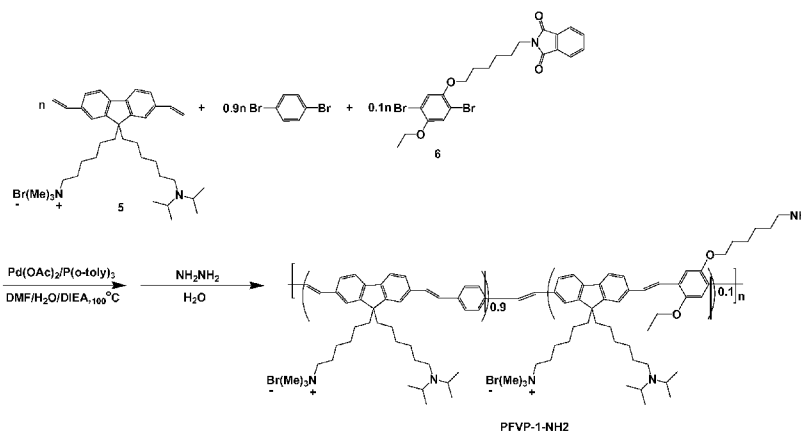


FIG. 19

(57) Abstract: The devices and method are provided for detecting labeled and label-free analytes, such as nucleic acids and proteins, employing conjugated cationic, anionic and neutral polymers. The analytes can be immobilized on a solid support material. The solid support material can be disposed in the pre-fabricated patterns on a substrate. The chemical structures of the polymers employed by the various embodiments of the present invention are described herein.