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- (54) **Title:** PALLADIUM CATALYST COMPOSITIONS AND METHODS FOR SEQUENCING BY SYNTHESIS

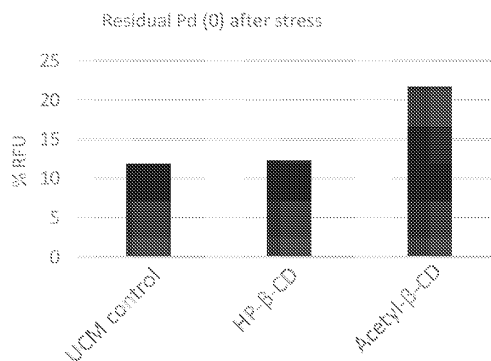


FIG. 2

- (57) **Abstract:** The present application relates to palladium catalyst composition and uses in sequencing by synthesis. In particular, the Pd catalyst composition comprises one or more macrocycles (e.g., cyclodextrin or analogs thereof) as additives for improving thermal or oxidative stability of the active Pd(0) species.

[Continued on next page]

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