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(54) Title: ALKALINE PHOSPHATASE IMMOBILIZATION

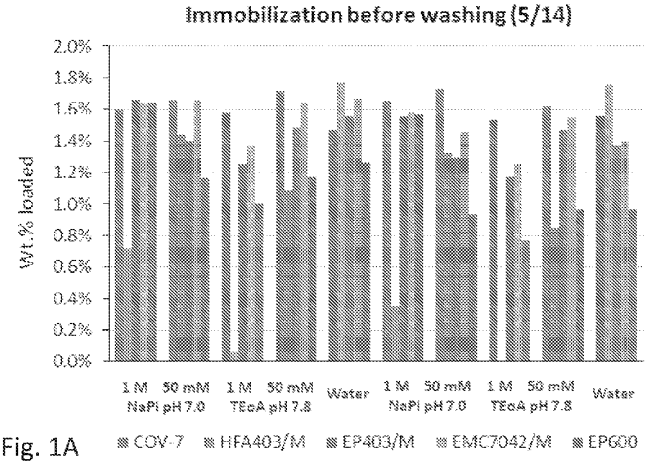


Fig. 1A

(57) Abstract: Alkaline phosphatases immobilized on an epoxide functionalized solid support such as polyacrylate, phenolate, polystyrene, polysaccharide, or silica, are provided herein. Methods of synthesizing the immobilized alkaline phosphatases, utilizing an epoxide quenching reagent to deactivate the unreacted epoxide groups on the solid support, are disclosed. These immobilized alkaline phosphatases may be used in various processes for cleaving a phosphate group.

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