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(54) Title: FUNCTIONALIZED GEL BEADS

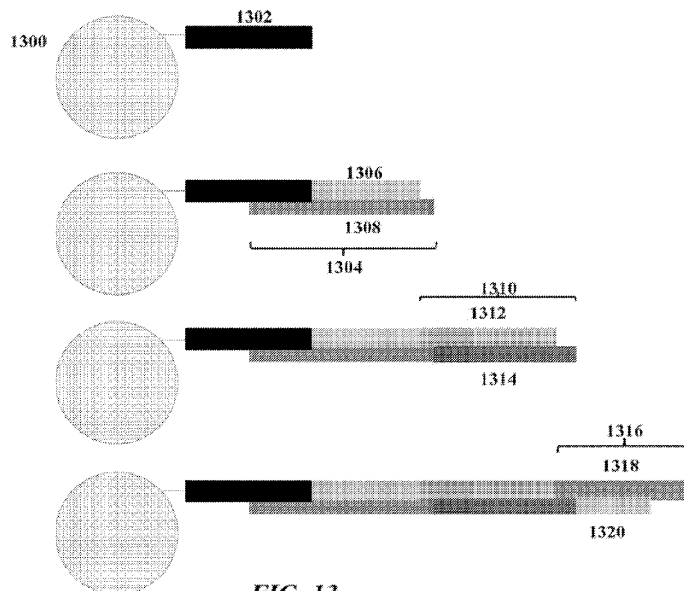


FIG. 13

(57) Abstract: The present disclosure provides methods of generating supports (e.g., beads) comprising barcode molecules coupled thereto. A barcode molecule coupled to a support may comprise a barcode sequence and a functional sequence. A barcode molecule may be generated using two or more ligation reactions in a combinatorial fashion. A support comprising two or more different barcode molecules may be useful for analyzing or processing one or more analytes such as nucleic acid molecules, proteins, and/or perturbation agents.

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