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(54) Title: KIT, SYSTEM, AND FLOW CELL

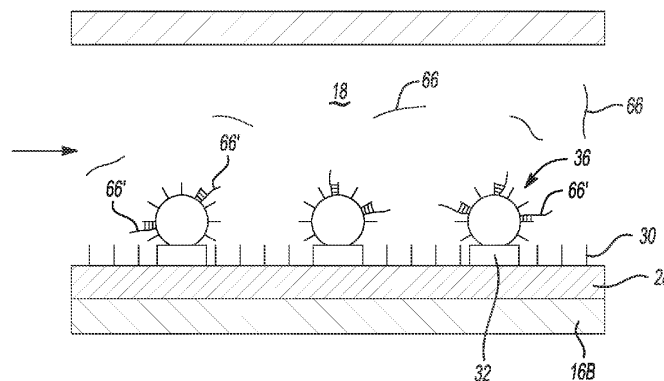


Fig-5

(57) Abstract: An example of a kit includes a library preparation fluid, a sample fluid, and an enrichment fluid. The library preparation fluid includes library preparation beads, where each library preparation bead includes a first solid support, and a transposome attached to the first solid support. The fluid includes a genomic deoxyribonucleic acid sequence. The enrichment fluid includes target capture beads, where each target capture bead includes a second solid support, and capture probes attached to the second solid support. Each of the capture probes includes a single stranded deoxyribonucleic acid sequence that is complementary to a targeted region of the genomic deoxyribonucleic acid in the sample fluid.

[Continued on next page]

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