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(71) Applicant: **ILLUMINA, INC.** [US/US]; 5200 Illumina Way, San Diego, California 92122 (US).

(72) Inventors: **WU, Yir-Shyuan**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **KHURANA, Tarun Kumar**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **ROSÀS-CANYELLES, Elisabet**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **SHEN, Fei**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **BRODIN, Jeffery**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **STORMS, Lena**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US). **FISHER, Jeffery S.**; c/o Illumina, Inc., 5200 Illumina Way, San Diego, California 92122 (US).

(74) Agent: **MCNEILL, Rebecca M.** et al.; McNeill Baur PLLC, 125 Cambridge Park Drive, Suite 301, Cambridge, Massachusetts 02140 (US).

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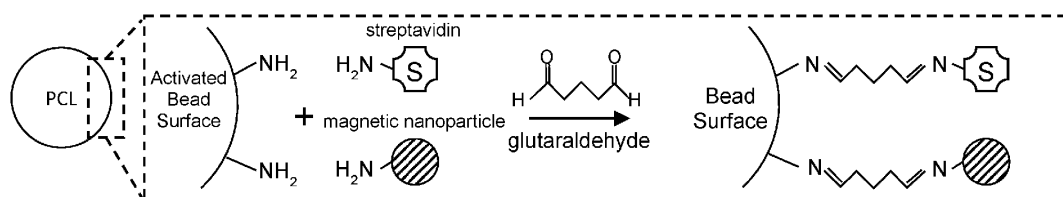


Fig. 1A

(57) **Abstract:** Degradable polyester bead are described comprising a plurality of transposome complexes immobilized to the surface thereof, wherein each transposome complex comprises a transposase bound to a first polynucleotide and a second polynucleotide, wherein the first polynucleotide comprises a 3' portion comprising a transposon end sequence and a tag, and the second polynucleotide comprises a 5' portion that is complementary to and hybridized to the transposon end sequence, and wherein the polyester bead has a melting point of from 50 °C to 65 °C. Flow cells and methods related to these polyester beads are described. Also described herein are compositions comprising a bead and at least one nanoparticle and methods of use of such compositions comprising transposome complexes immobilized to nanoparticles.

