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(54) Title: FLOW CELLS AND METHODS

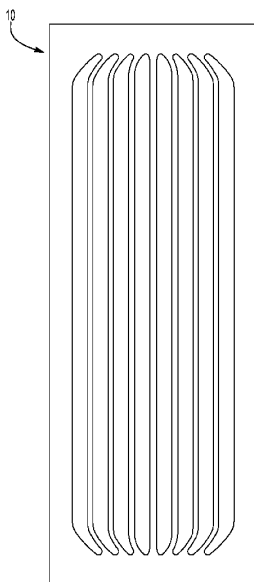


FIG. 1

(57) Abstract: An example of a flow cell includes a substrate having depressions separated by interstitial regions; a polymeric hydrogel positioned within each of the depressions; and a plurality of transposome complexes immobilized within each of the depressions by a biotin-containing linker. In this example, each of the plurality of the transposome complexes is of a single type including a transposon end with a portion of a transferred strand hybridized to a portion of a non-transferred strand, wherein the transferred strand includes a first amplification domain and is free of an index sequence.

RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
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