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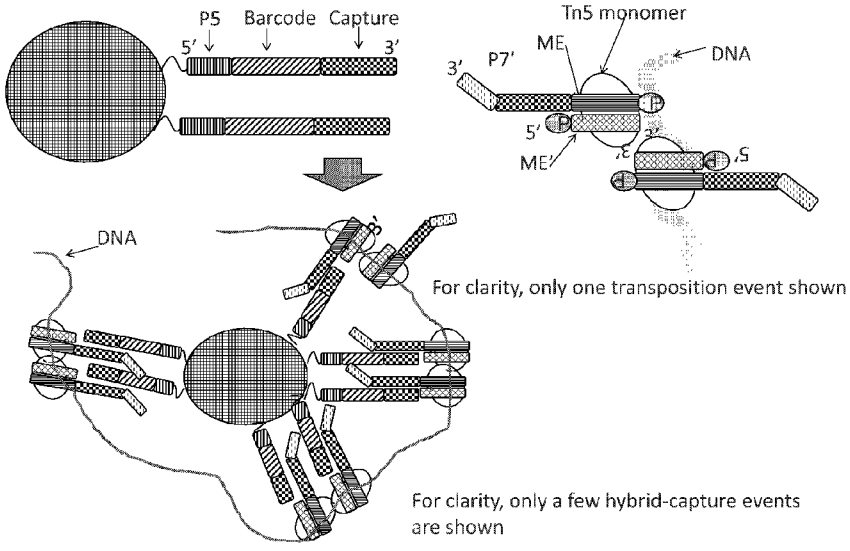


Figure 18

(57) Abstract: Embodiments provided herein relate to methods and compositions for preparing an immobilized library of barcoded DNA fragments of a target nucleic acid, identifying genomic variants, determining the contiguity information, phasing information, and methylation status of the target nucleic acid.

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