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Declarations under Rule 4.17:

— *as to the identity of the inventor (Rule 4.17(i))*

(54) Title: KITS AND METHODS FOR ON-FLOW CELL LIBRARY PREPARATION AND METHYLATION DETECTION

(57) Abstract: A kit includes a flow cell, an extension mix, and an enzymatic methylation conversion mix. The flow cell includes a substrate having depressions separated by interstitial regions; first and second primers immobilized within each of the depressions; and first and second transposome complexes immobilized within each of the depressions and/or over each of the interstitial regions. The kit may be used for on-flow cell library preparation and methylation detection.

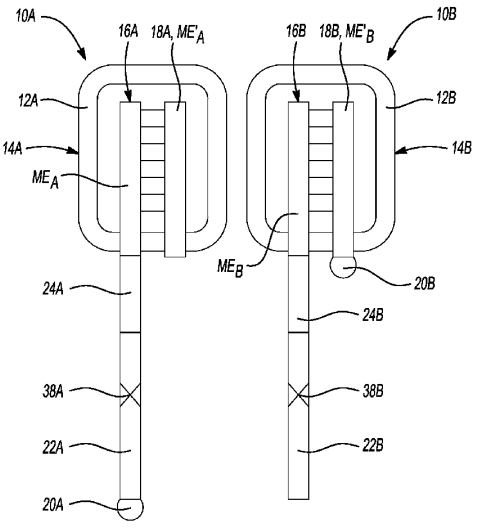


Fig-1

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