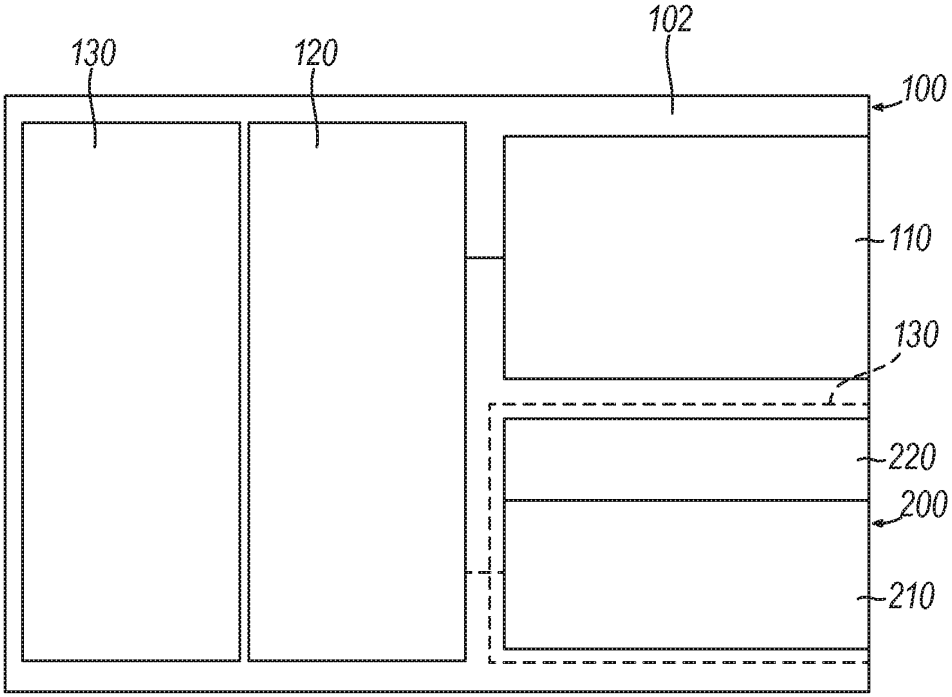


FIG. 1

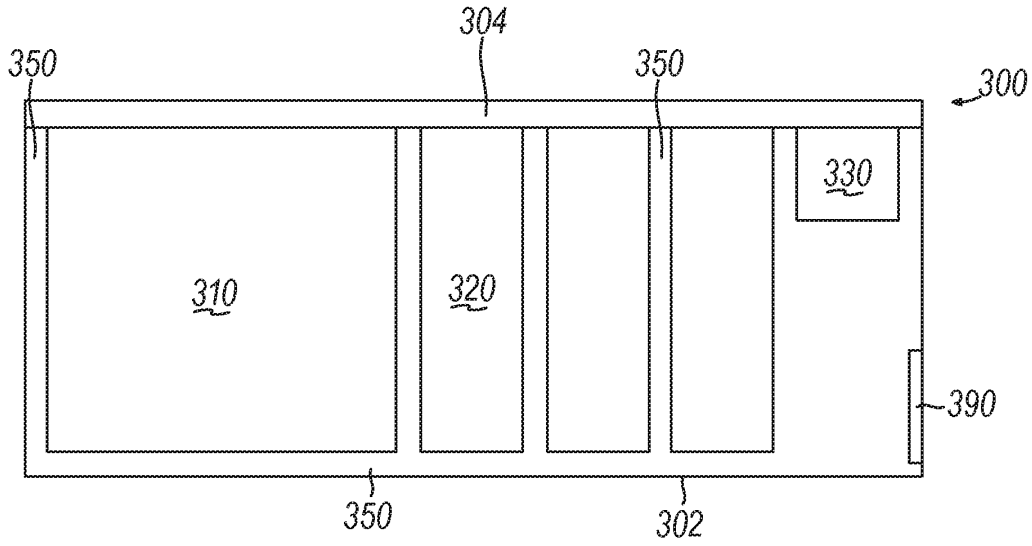


FIG. 2

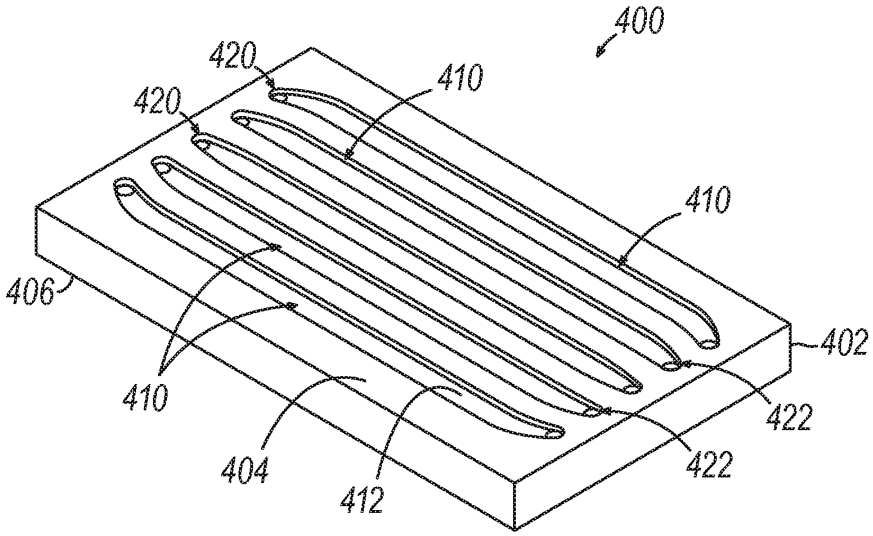

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FIG. 3

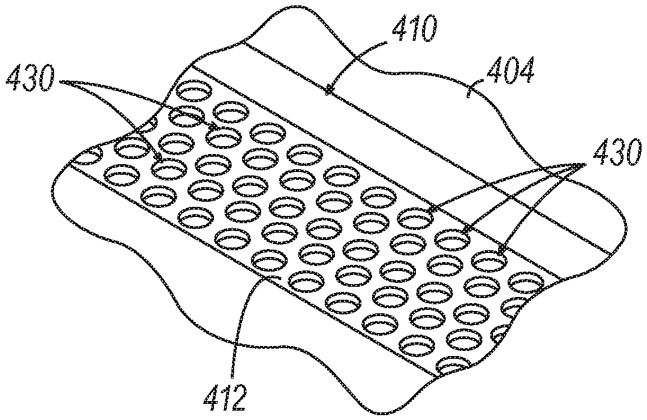

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FIG. 4

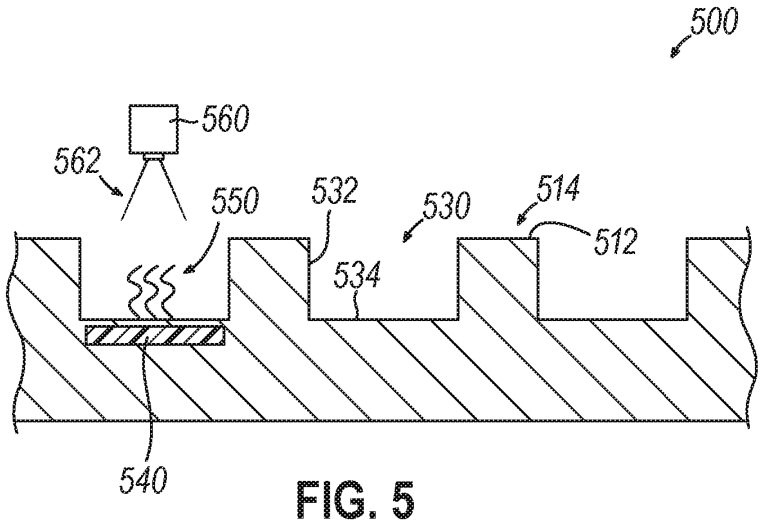

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FIG. 5

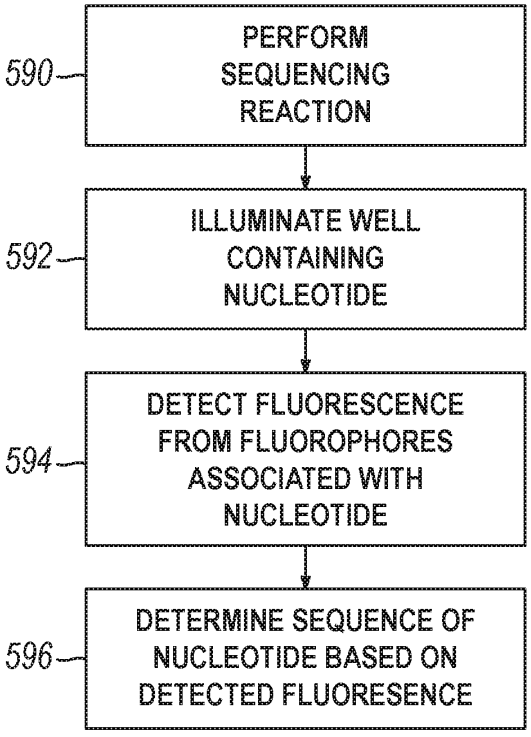

590
PERFORM SEQUENCING REACTION
592
ILLUMINATE WELL CONTAINING NUCLEOTIDE
594
DETECT FLUORESCENCE FROM FLUOROPHORES ASSOCIATED WITH NUCLEOTIDE
596
DETERMINE SEQUENCE OF NUCLEOTIDE BASED ON DETECTED FLUORESENCE

FIG. 6

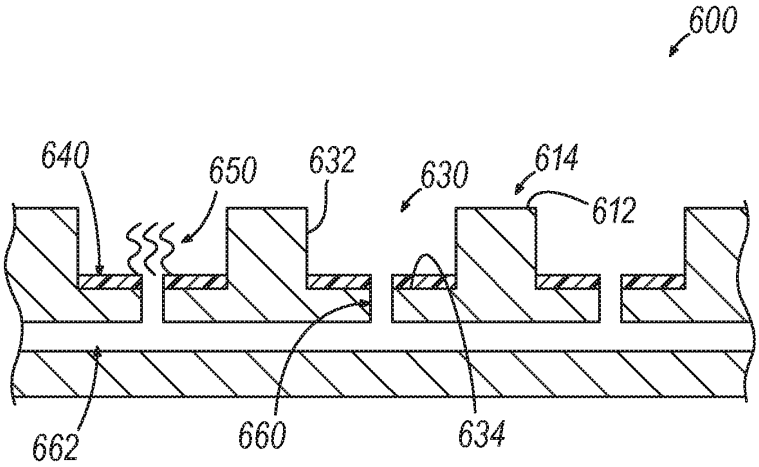

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FIG. 7

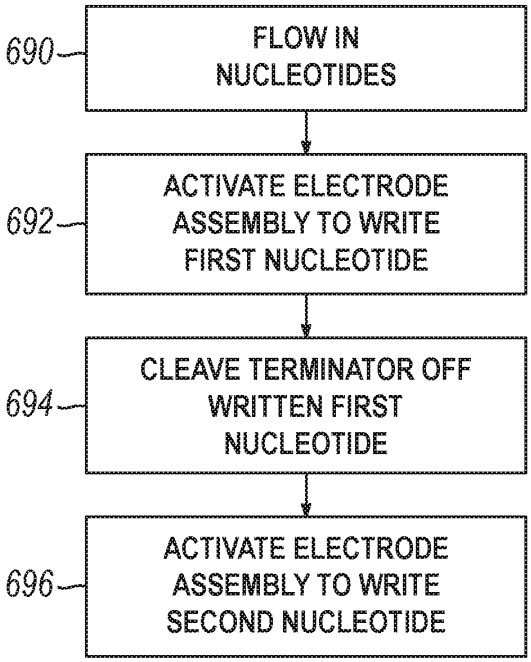

690
FLOW IN NUCLEOTIDES
692
ACTIVATE ELECTRODE ASSEMBLY TO WRITE FIRST NUCLEOTIDE
694
CLEAVE TERMINATOR OFF WRITTEN FIRST NUCLEOTIDE
696
ACTIVATE ELECTRODE ASSEMBLY TO WRITE SECOND NUCLEOTIDE

FIG. 8

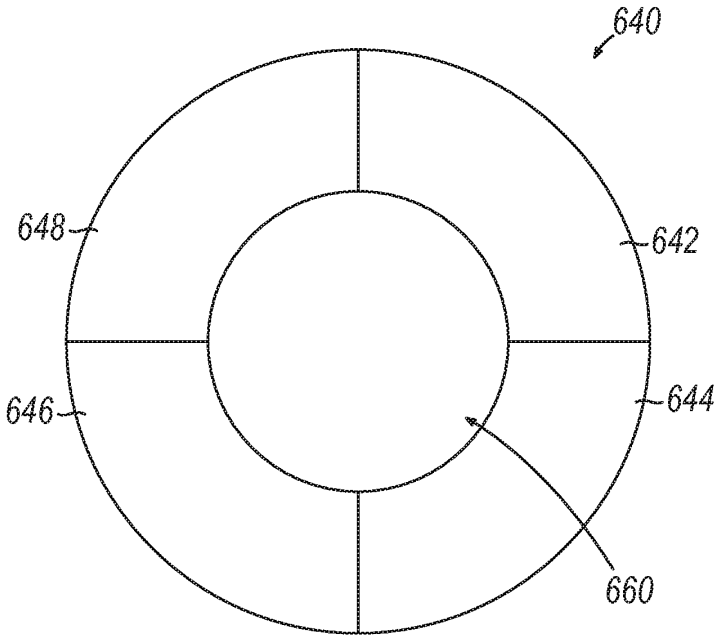

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FIG. 9

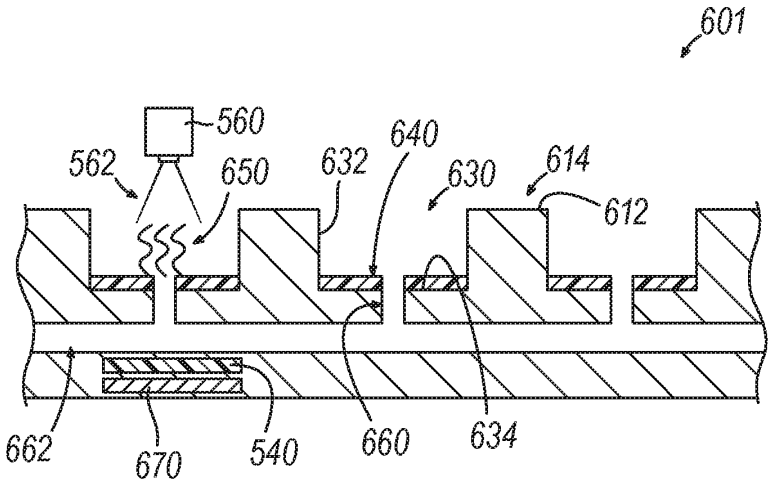

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FIG. 10

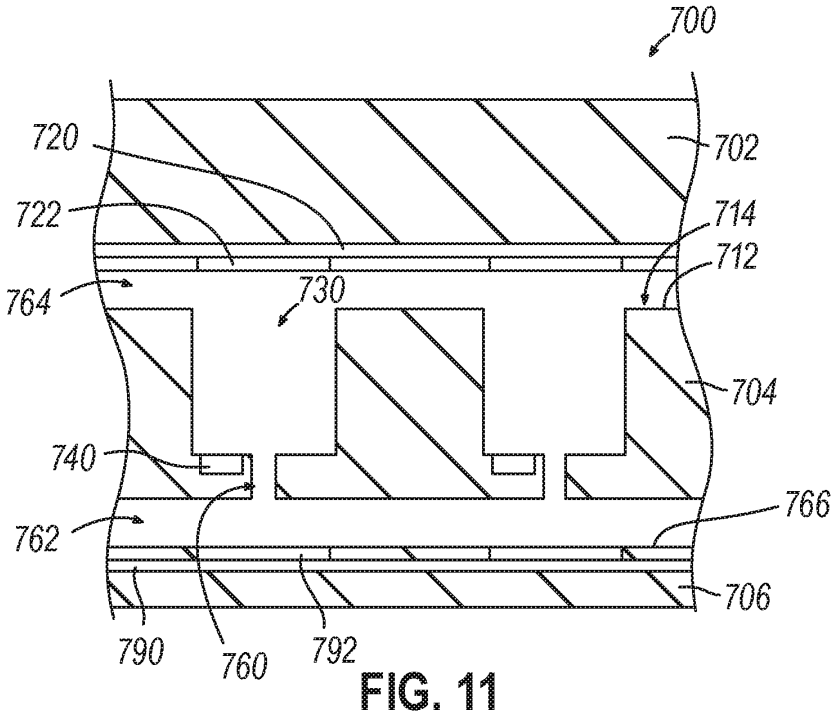

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FIG. 11

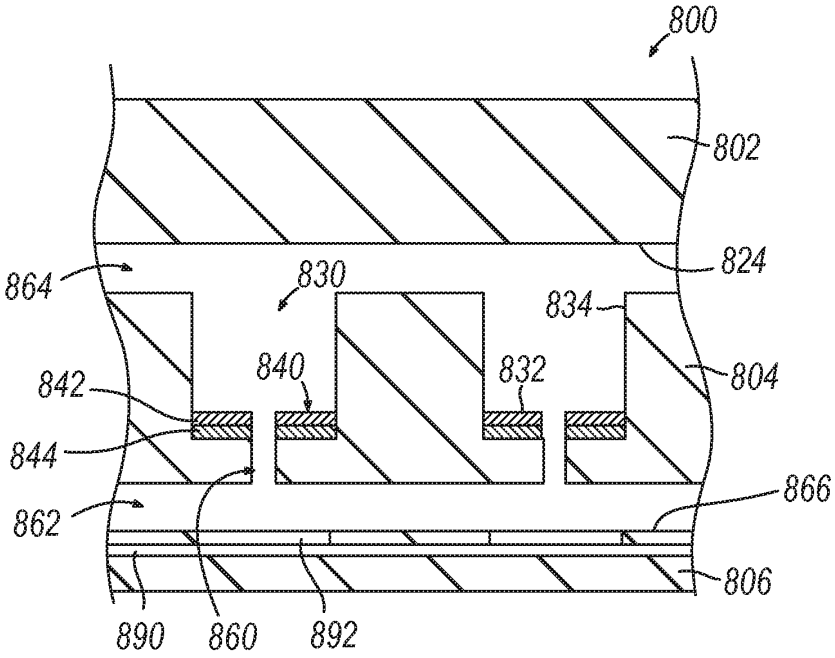

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FIG. 12

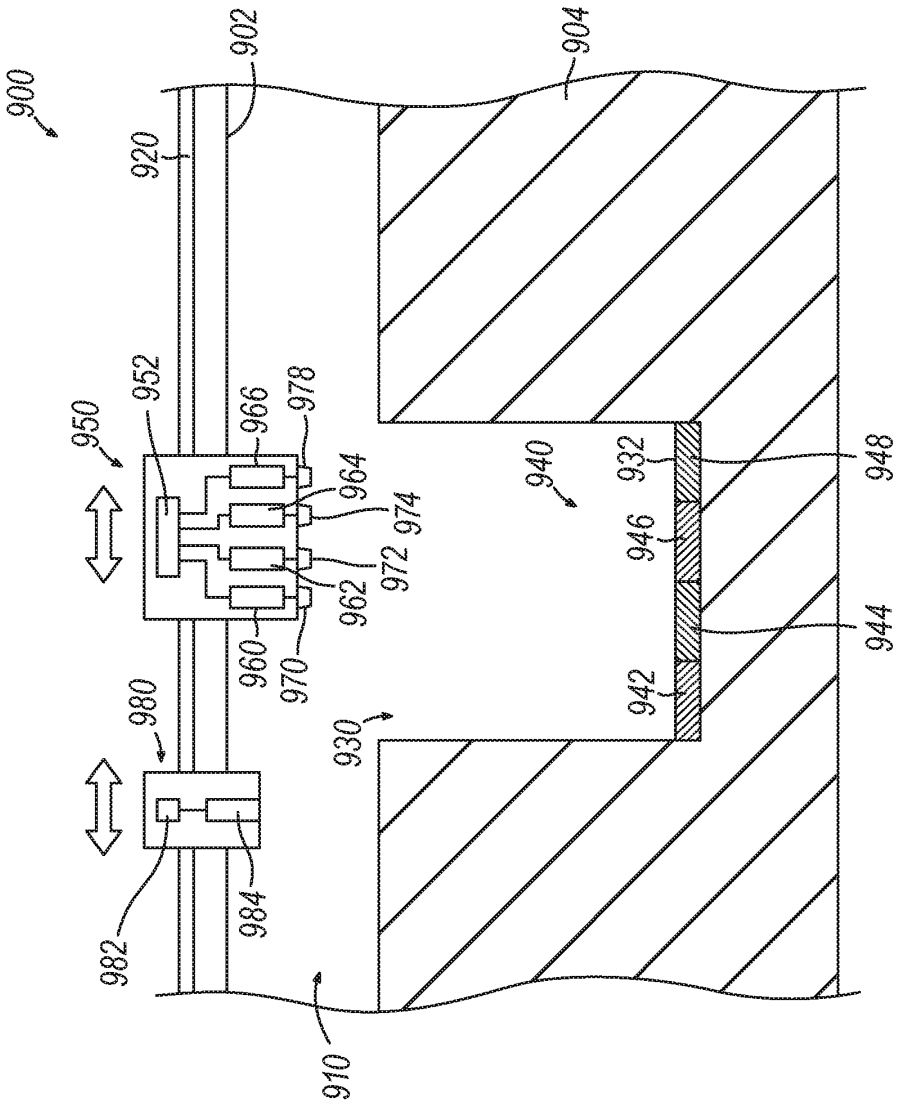

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FIG. 13