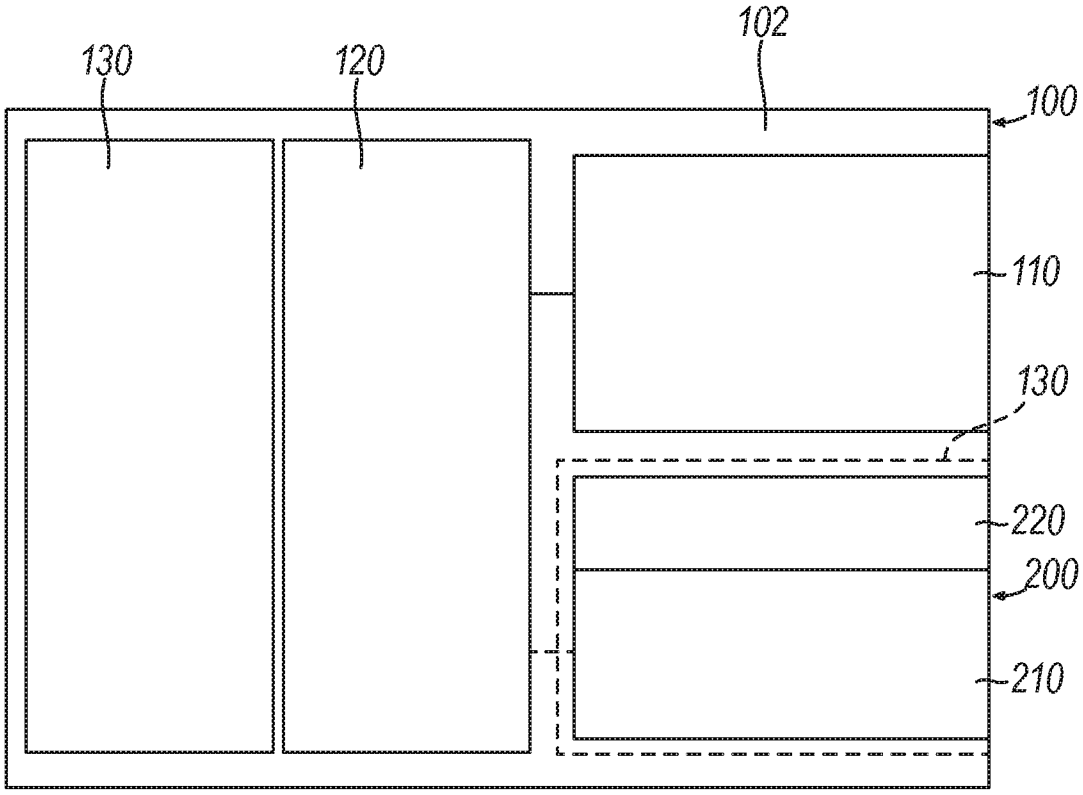


FIG. 1

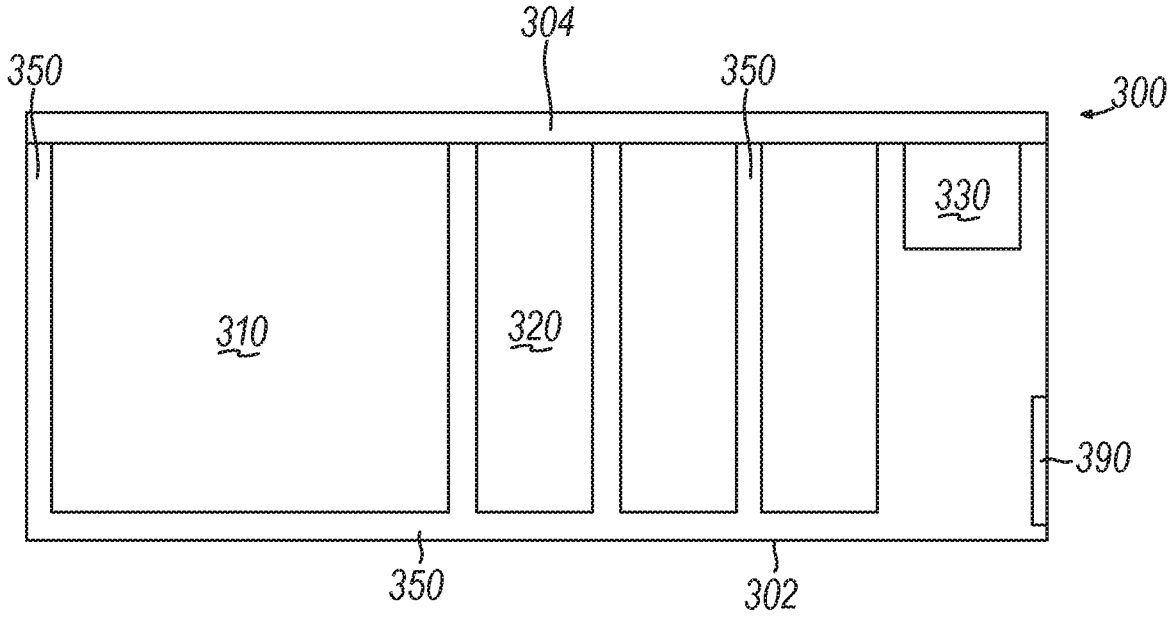


FIG. 2

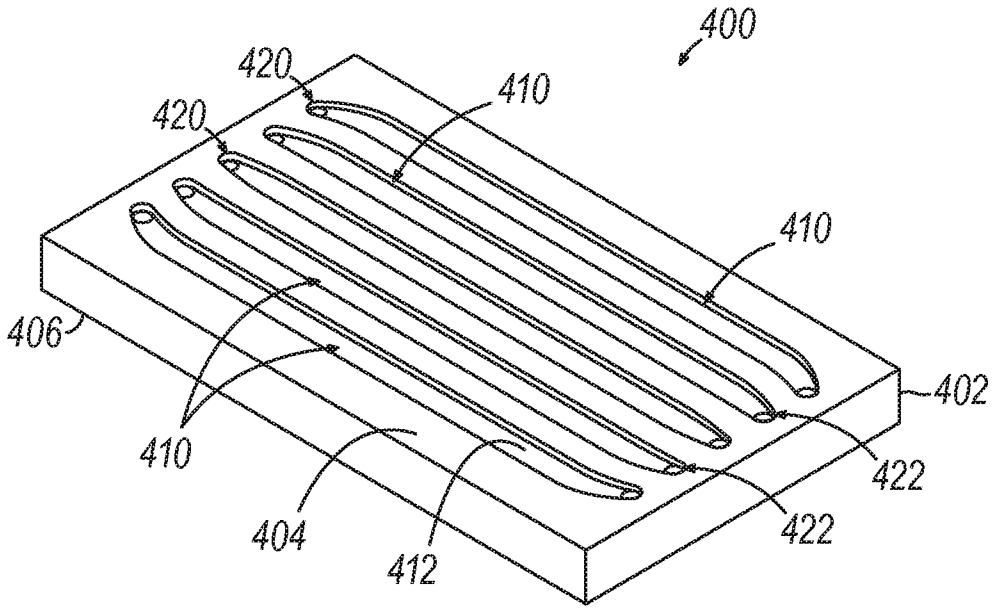

400
420
420
410
410
406
402
410
422
422
404
412

FIG. 3

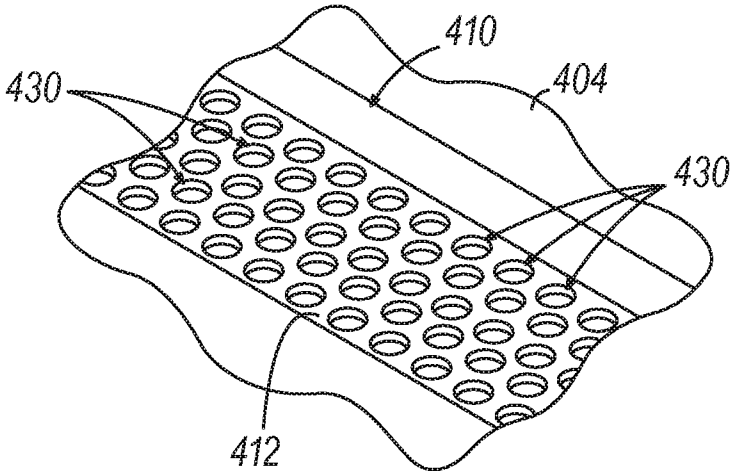

410
430
404
430
412

FIG. 4

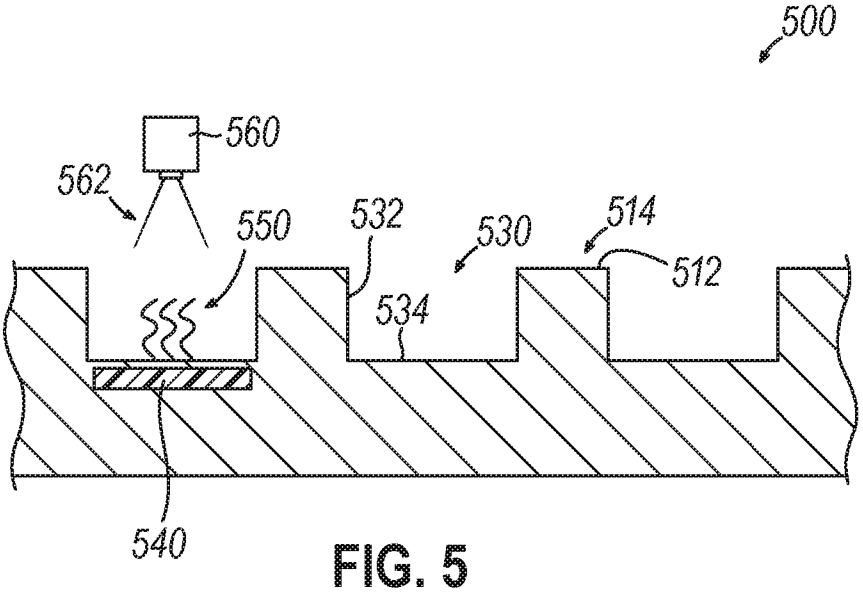

500
560
562
550
532
530
514
512
534
540

FIG. 5

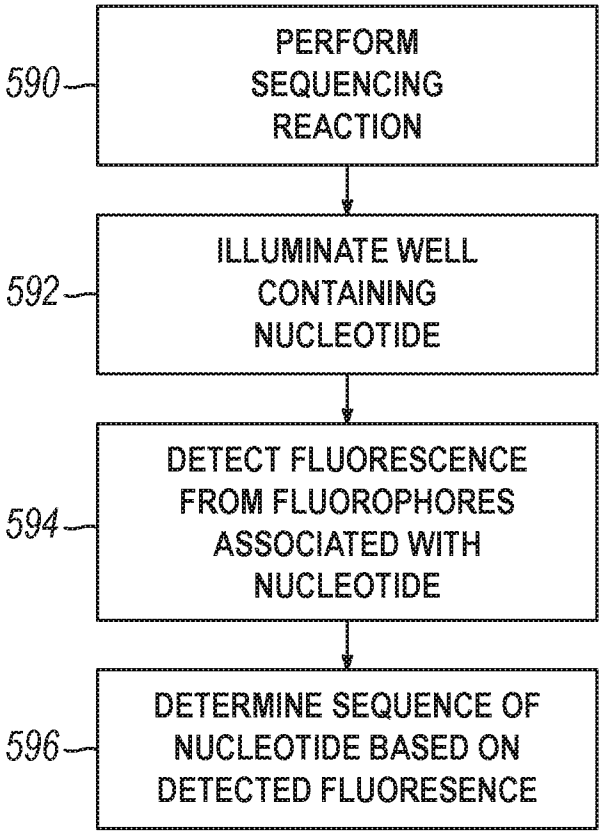

590
PERFORM SEQUENCING REACTION
592
ILLUMINATE WELL CONTAINING NUCLEOTIDE
594
DETECT FLUORESCENCE FROM FLUOROPHORES ASSOCIATED WITH NUCLEOTIDE
596
DETERMINE SEQUENCE OF NUCLEOTIDE BASED ON DETECTED FLUORESCENCE

FIG. 6

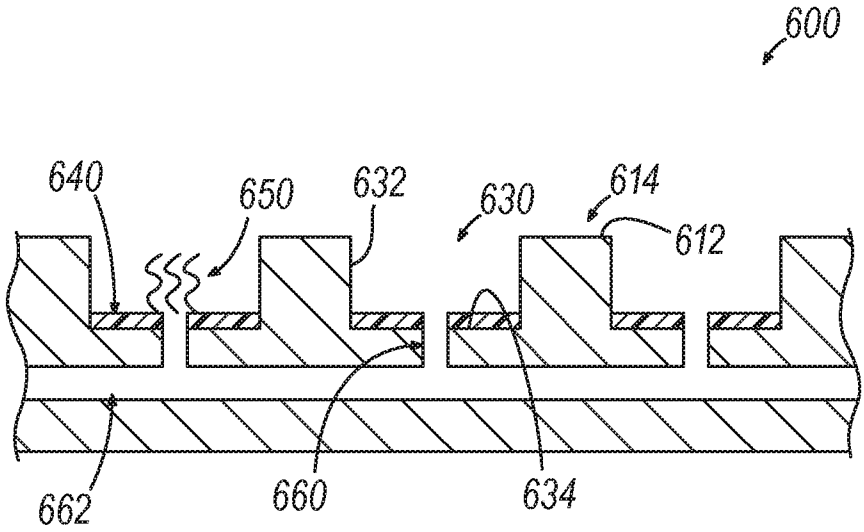

600
640
650
632
630
614
612
662
660
634

FIG. 7

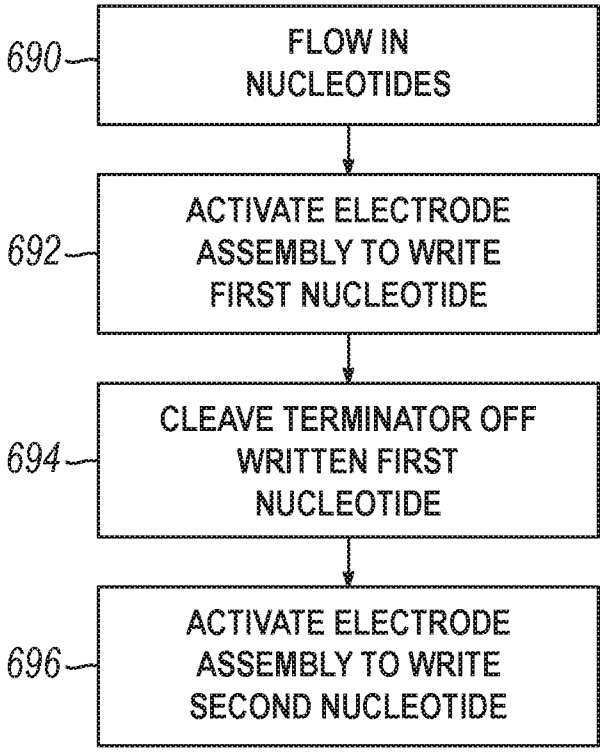

690
FLOW IN NUCLEOTIDES
692
ACTIVATE ELECTRODE ASSEMBLY TO WRITE FIRST NUCLEOTIDE
694
CLEAVE TERMINATOR OFF WRITTEN FIRST NUCLEOTIDE
696
ACTIVATE ELECTRODE ASSEMBLY TO WRITE SECOND NUCLEOTIDE

FIG. 8

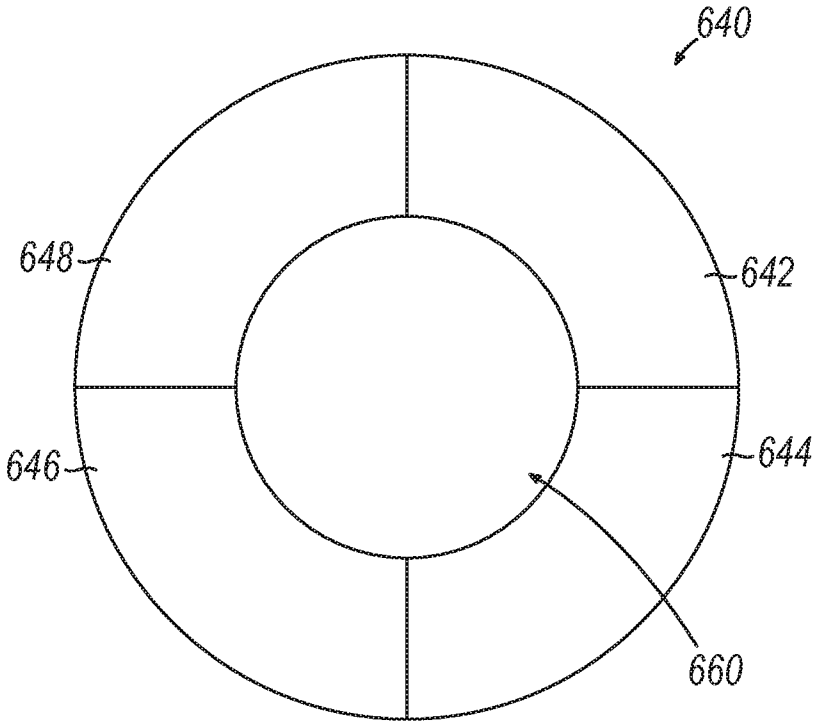

640
648
642
646
644
660

FIG. 9

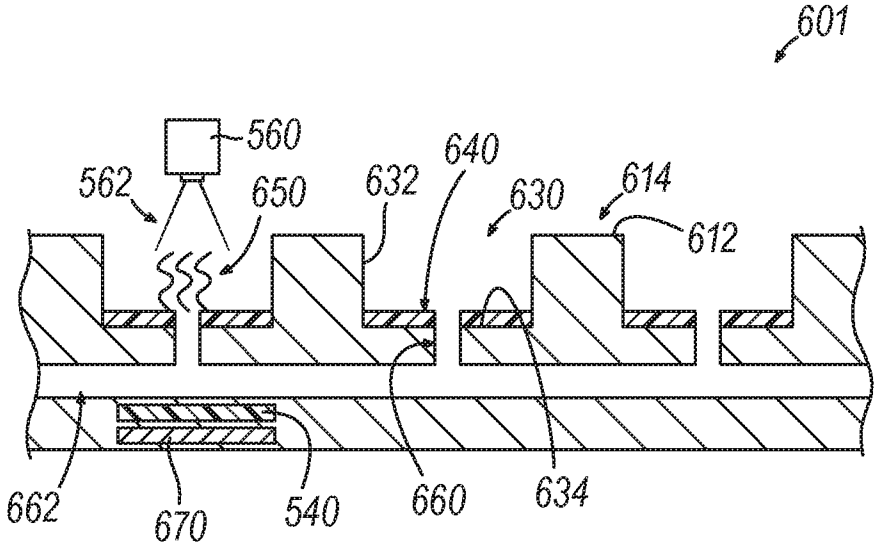

601
560
562
650
632
640
630
614
612
662
670
540
660
634

FIG. 10

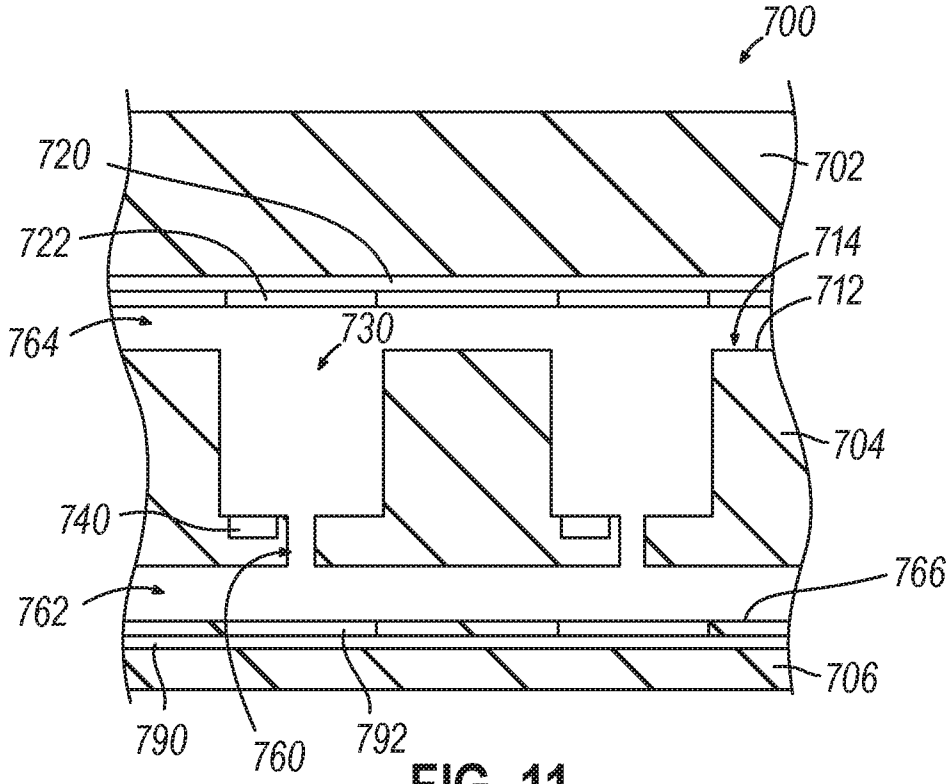

700
720
702
722
714
712
764
730
704
740
766
762
706
790
760
792

FIG. 11

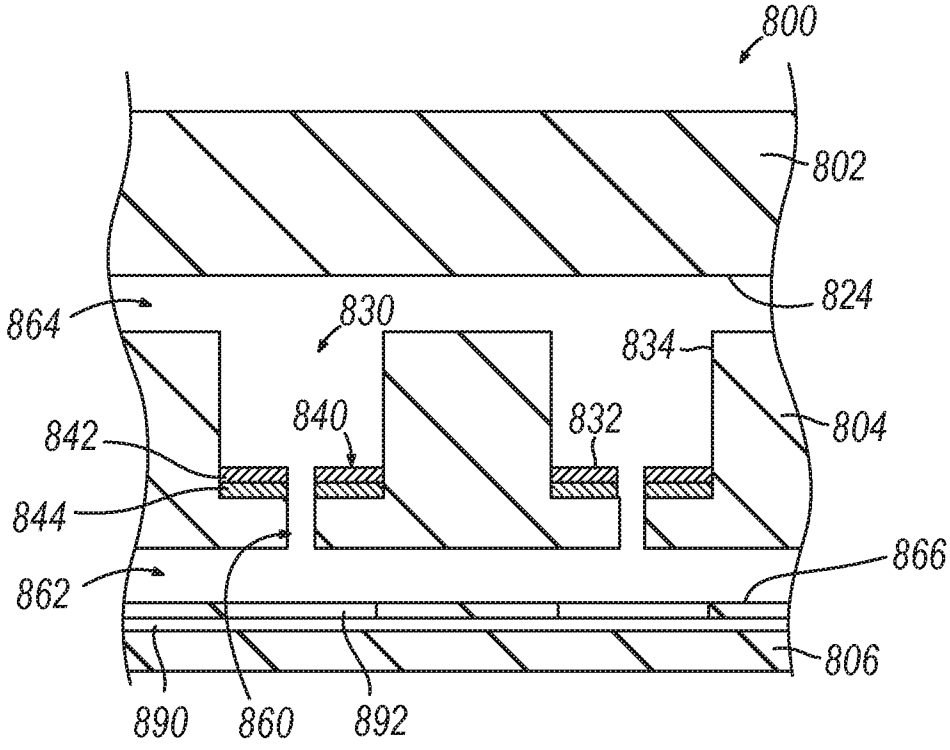

800
802
824
864
830
834
840
832
804
842
844
866
862
806
890
860
892

FIG. 12

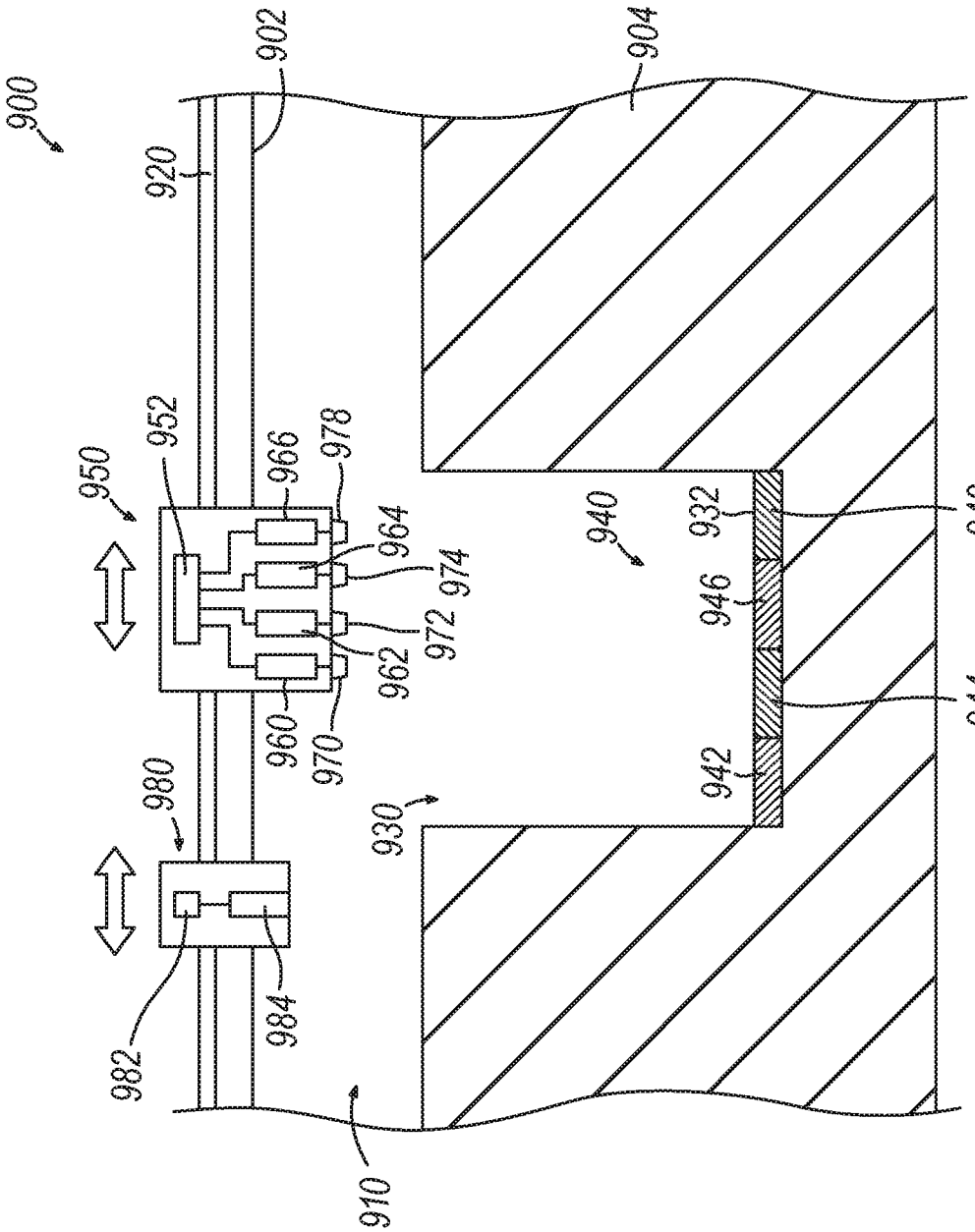

900
902
904
920
950
952
966
978
964
974
962
972
960
970
940
932
948
946
944
942
930
980
982
984
910

FIG. 13