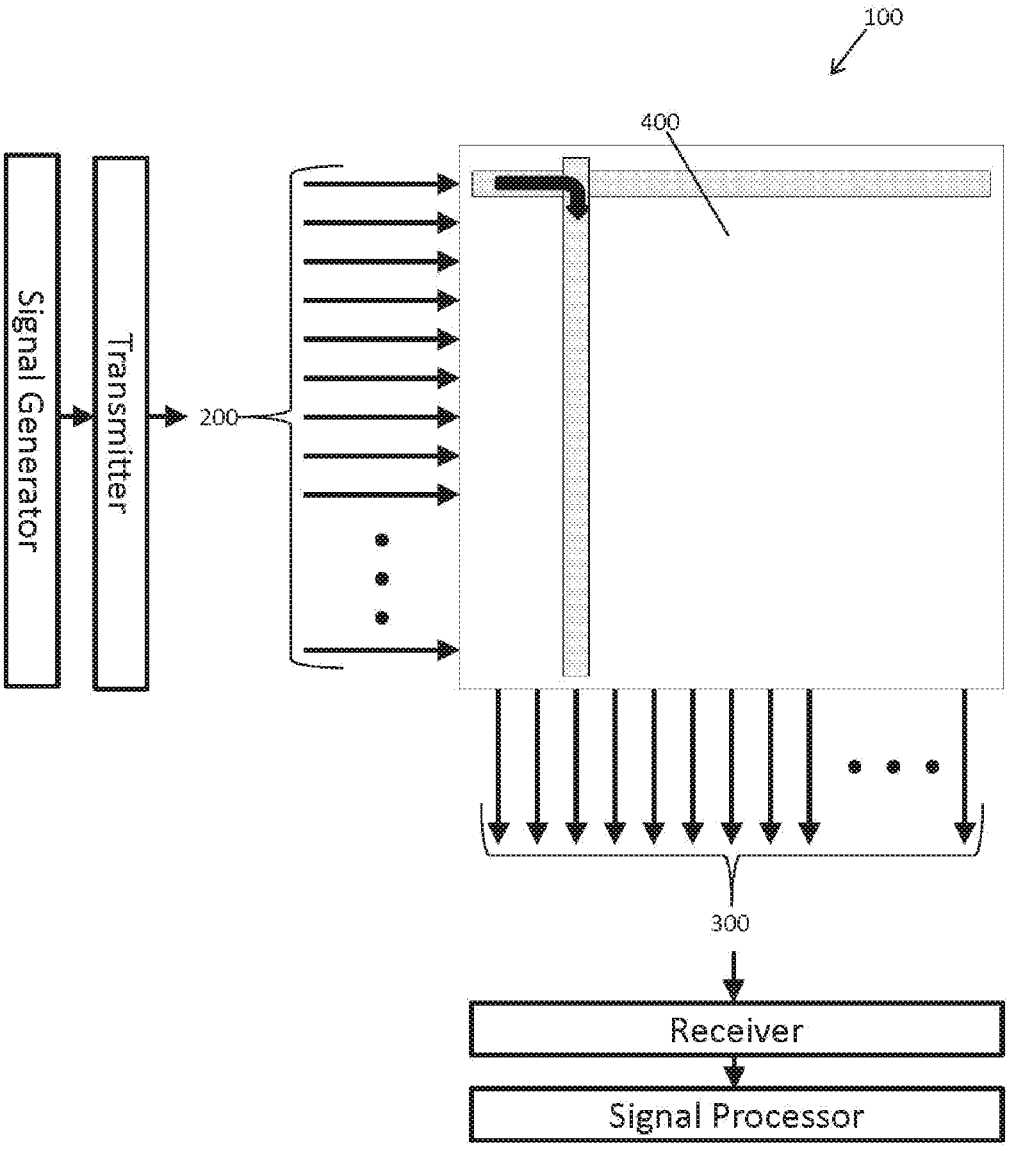

100
400
Signal Generator
Transmitter
200
300
Receiver
Signal Processor

FIG. 1

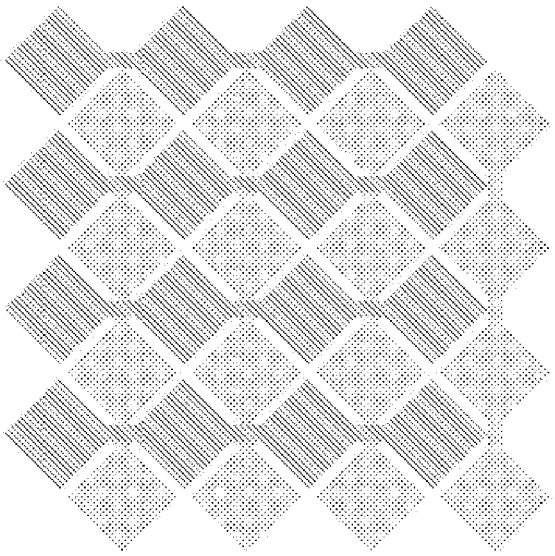


FIG. 2

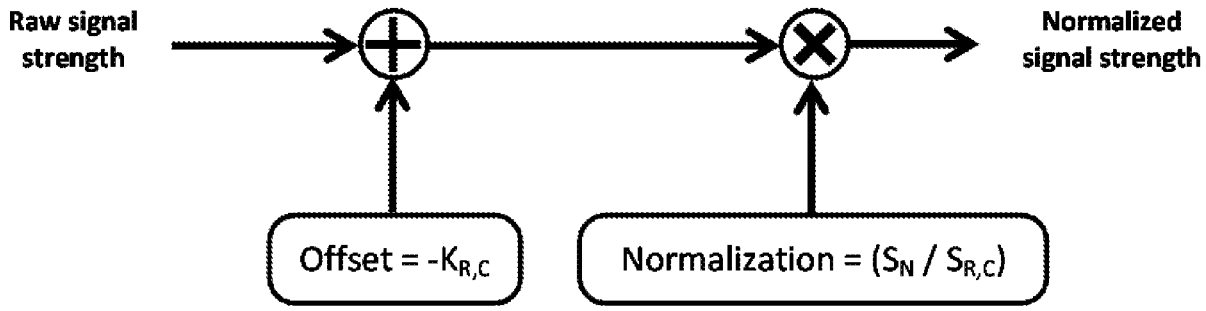

Raw signal strength
Normalized signal strength
Offset = -$K_{R,C}$
Normalization = (S_N / $S_{R,C}$)

FIG. 3

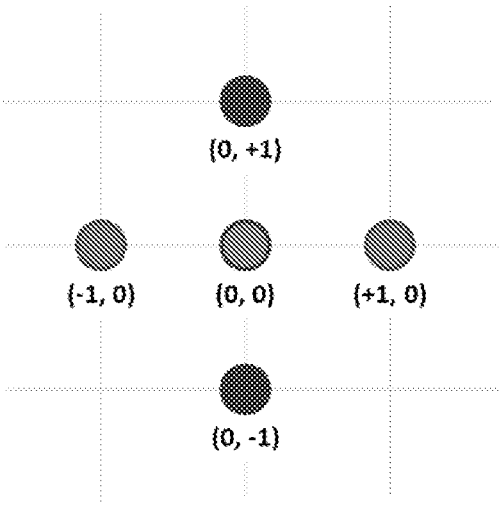

(0, +1)
(-1, 0)
(0, 0)
(+1, 0)
(0, -1)

FIG. 4

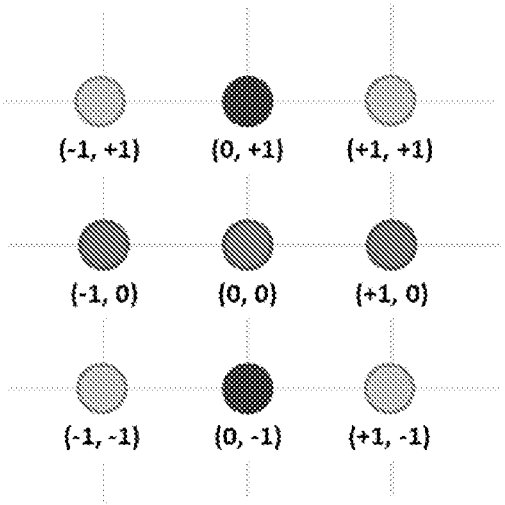


FIG. 5

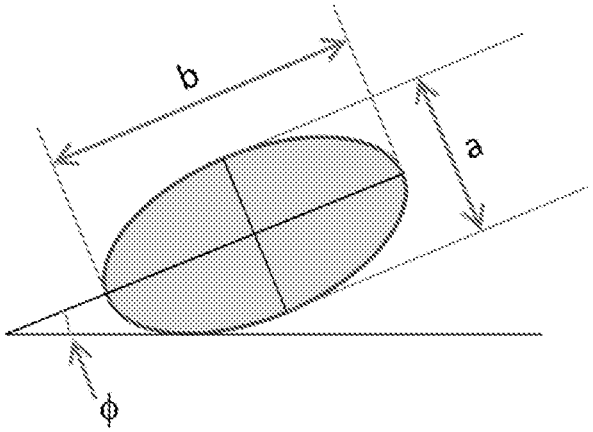


FIG. 6

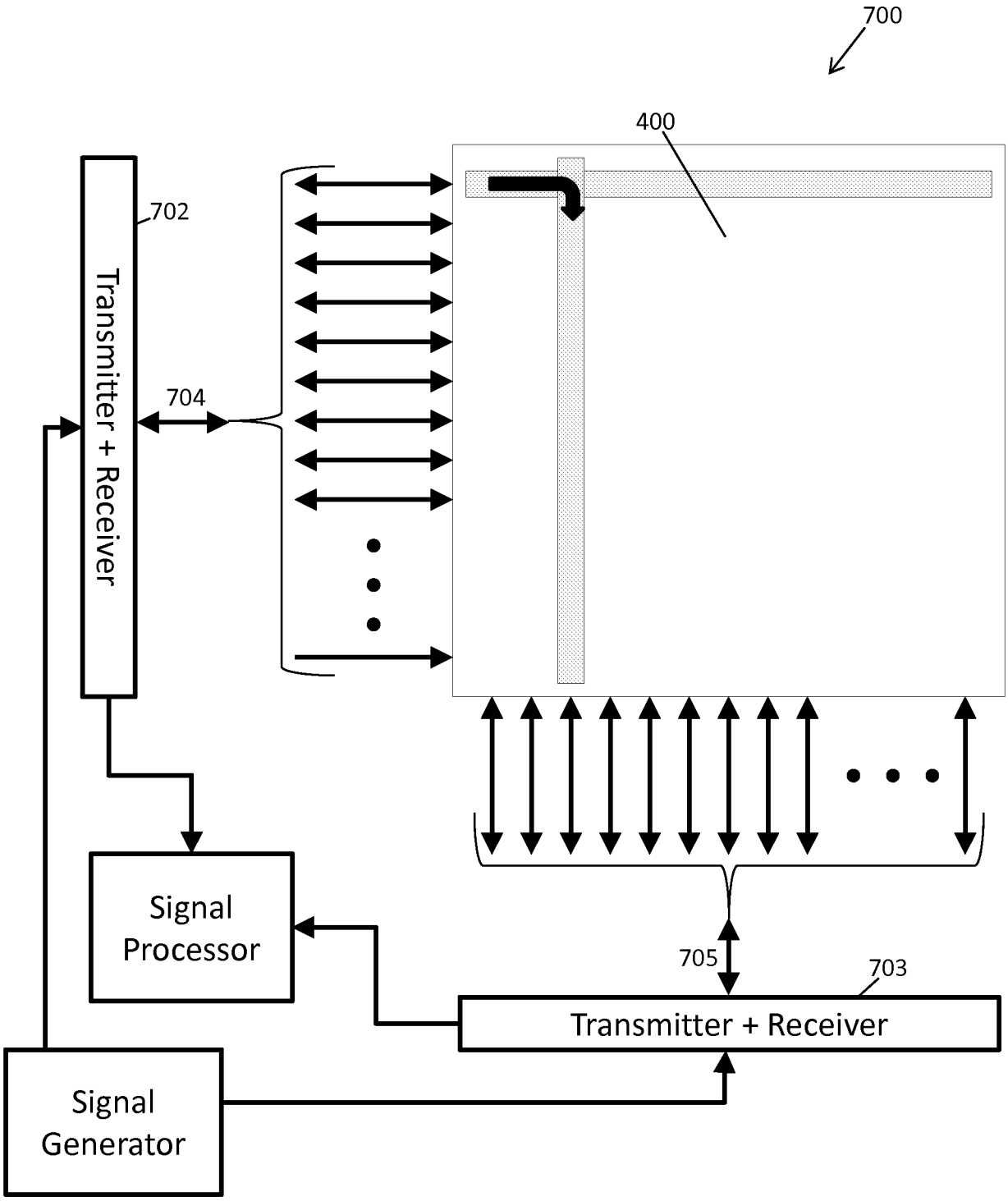

700
400
702
Transmitter + Receiver
704
Signal Processor
705
703
Transmitter + Receiver
Signal Generator

FIG. 7

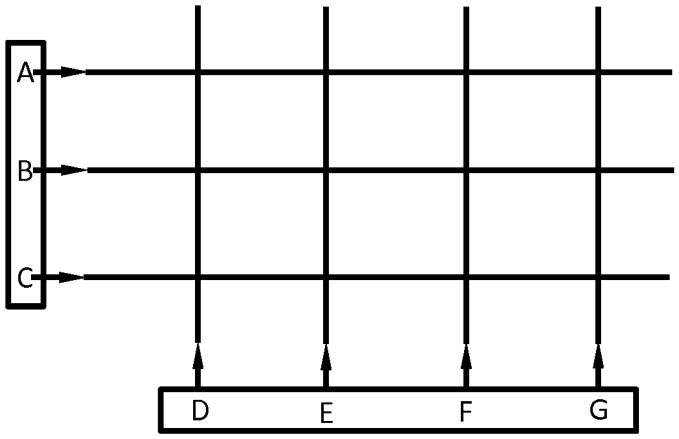


FIG. 8

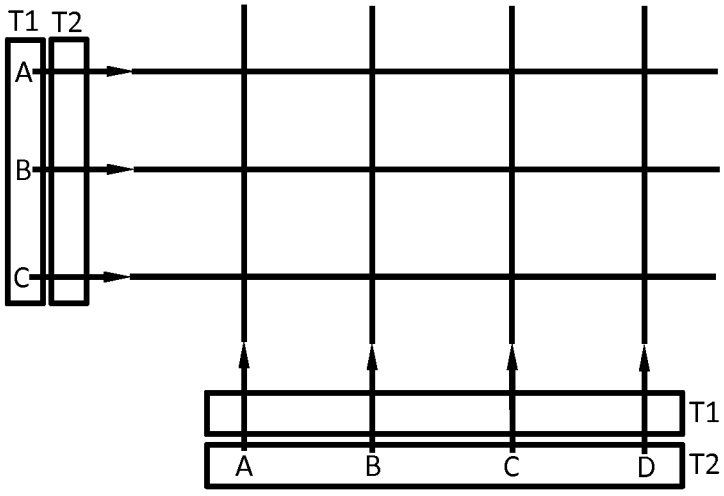


FIG. 9

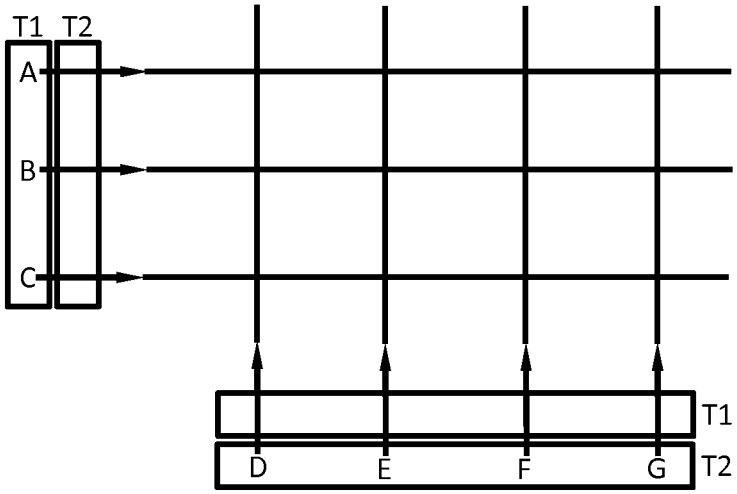


FIG. 10

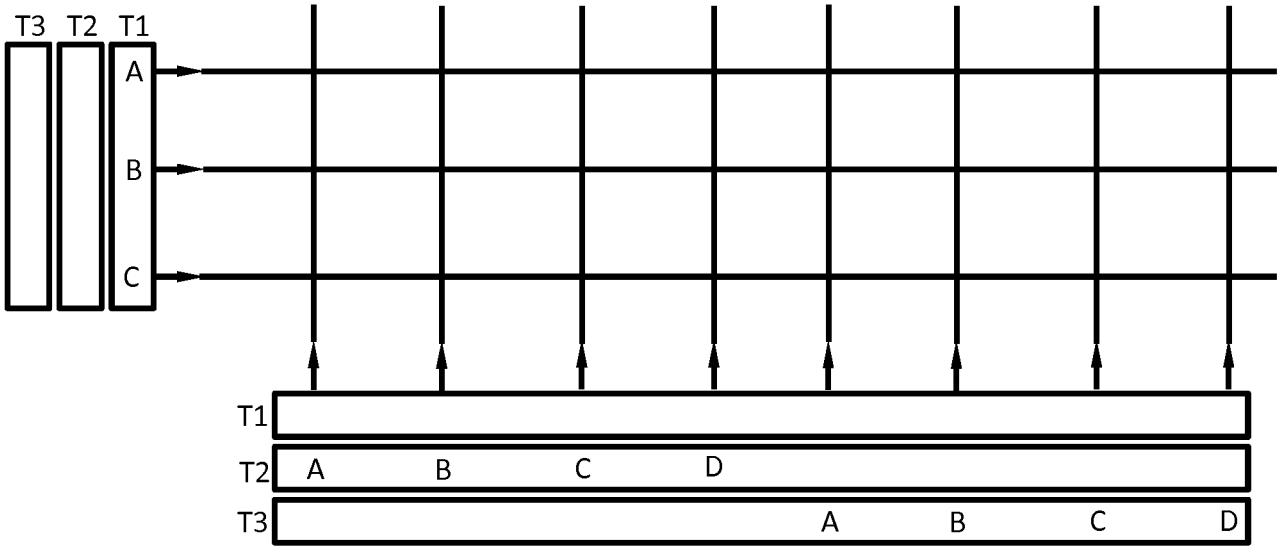


FIG. 11

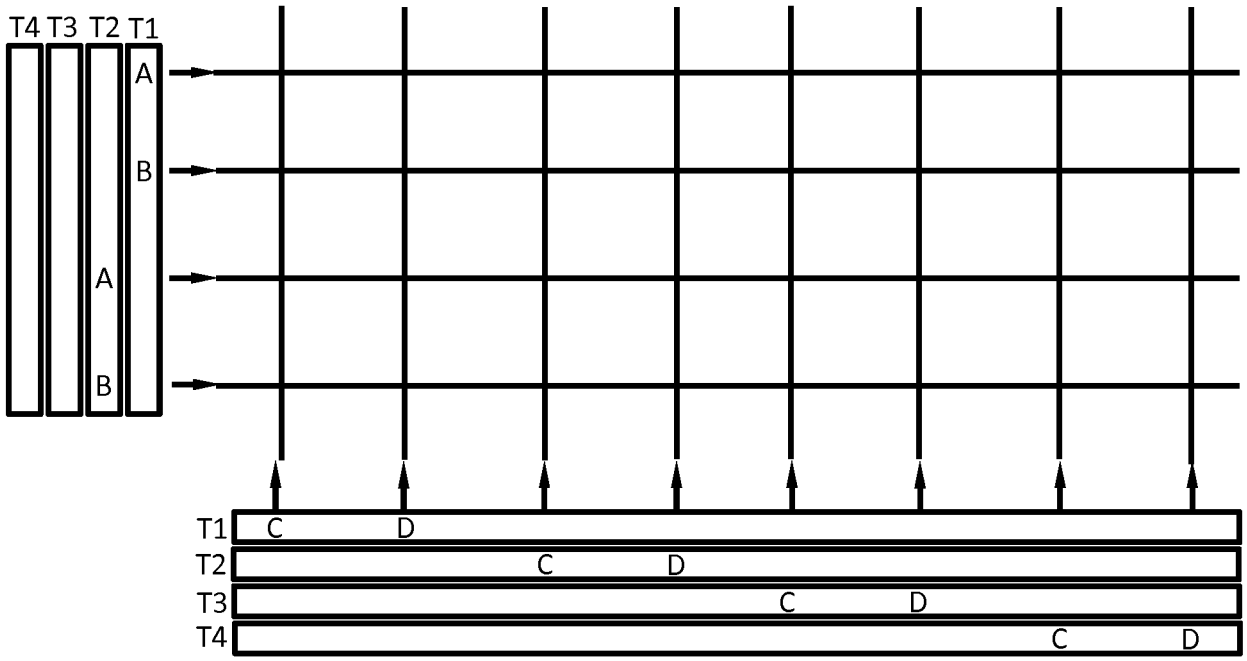


FIG. 12A

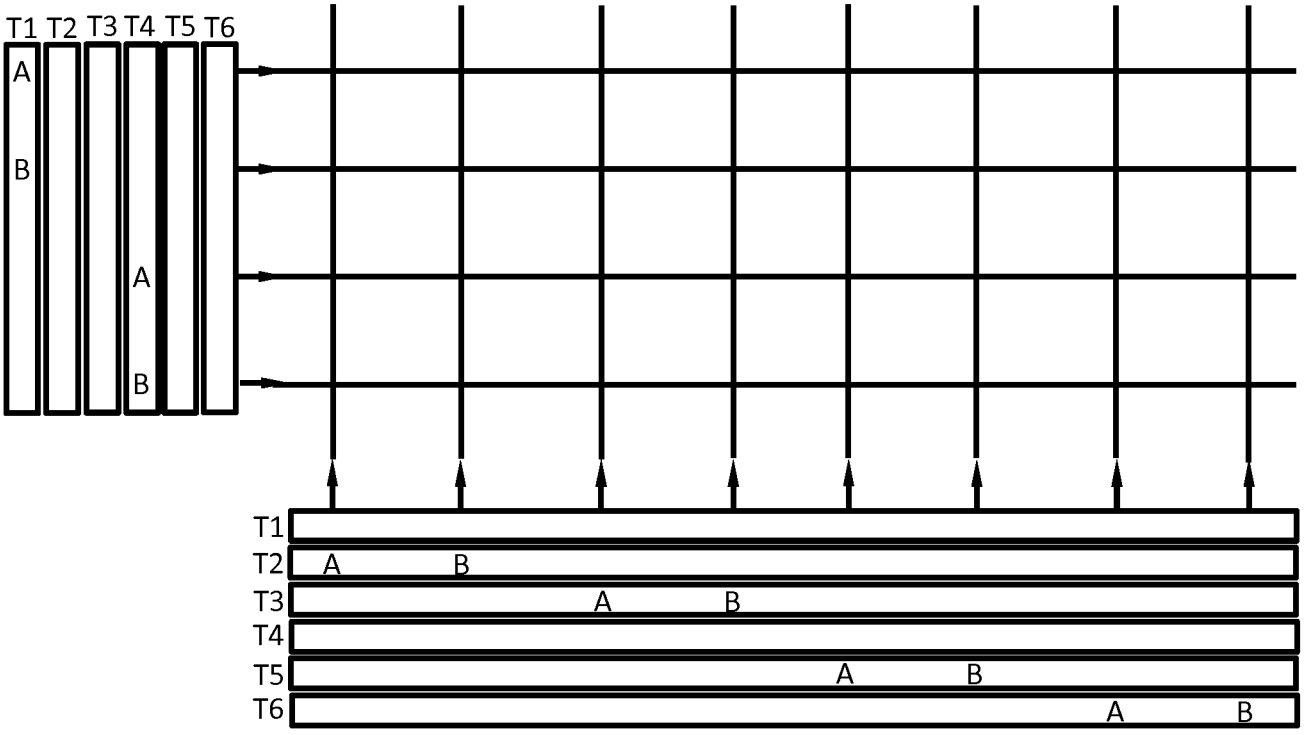


FIG. 12B

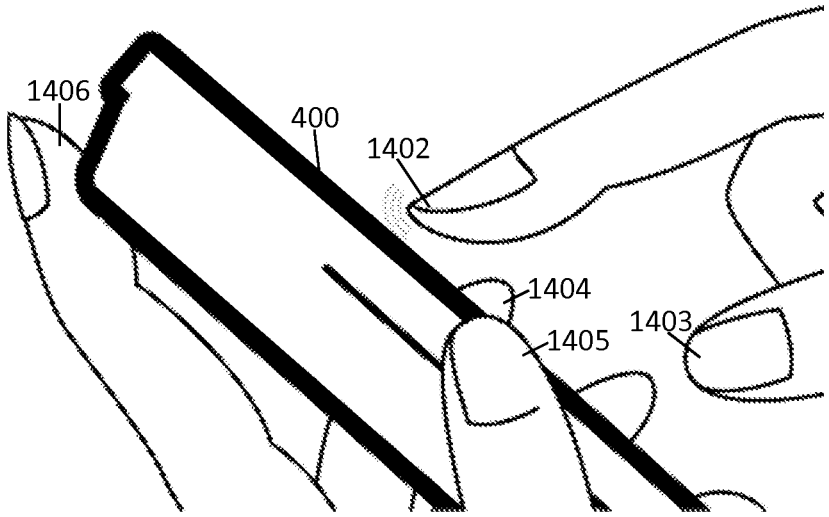

1406
400
1402
1404
1405
1403

FIG. 13

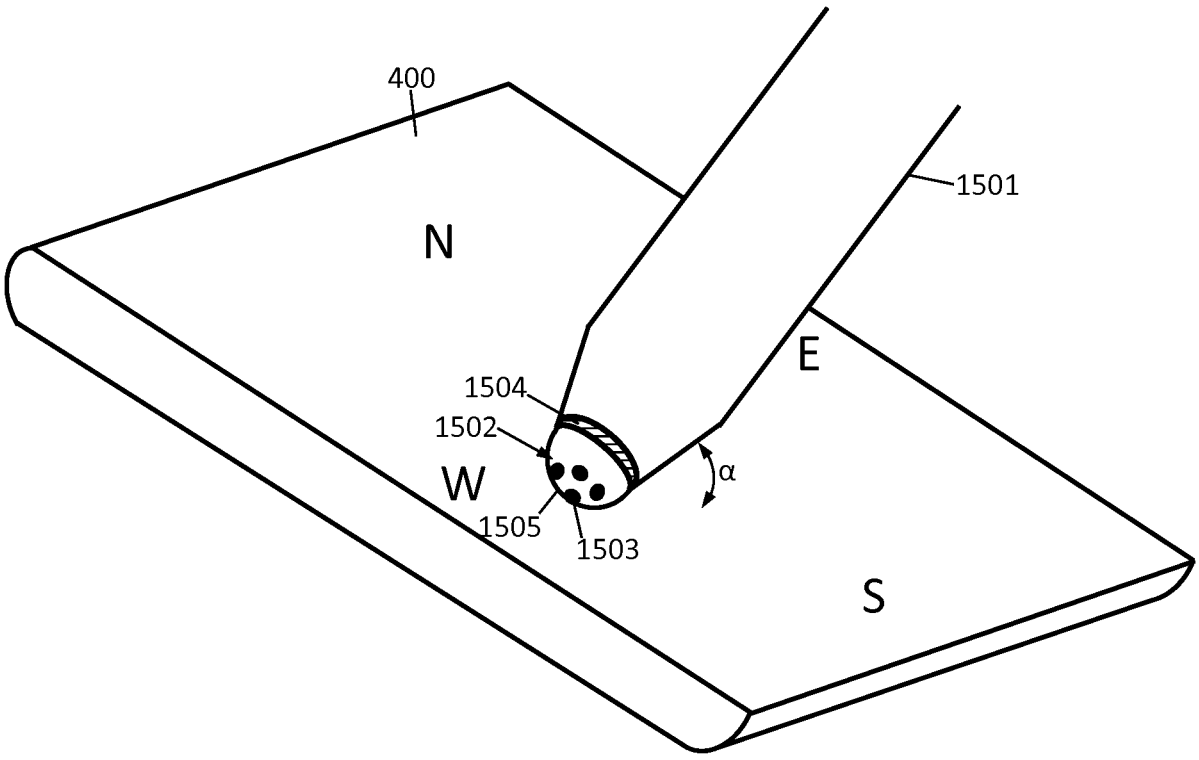

400
1501
N
E
1504
1502
W
α
1505
1503
S

FIG. 14

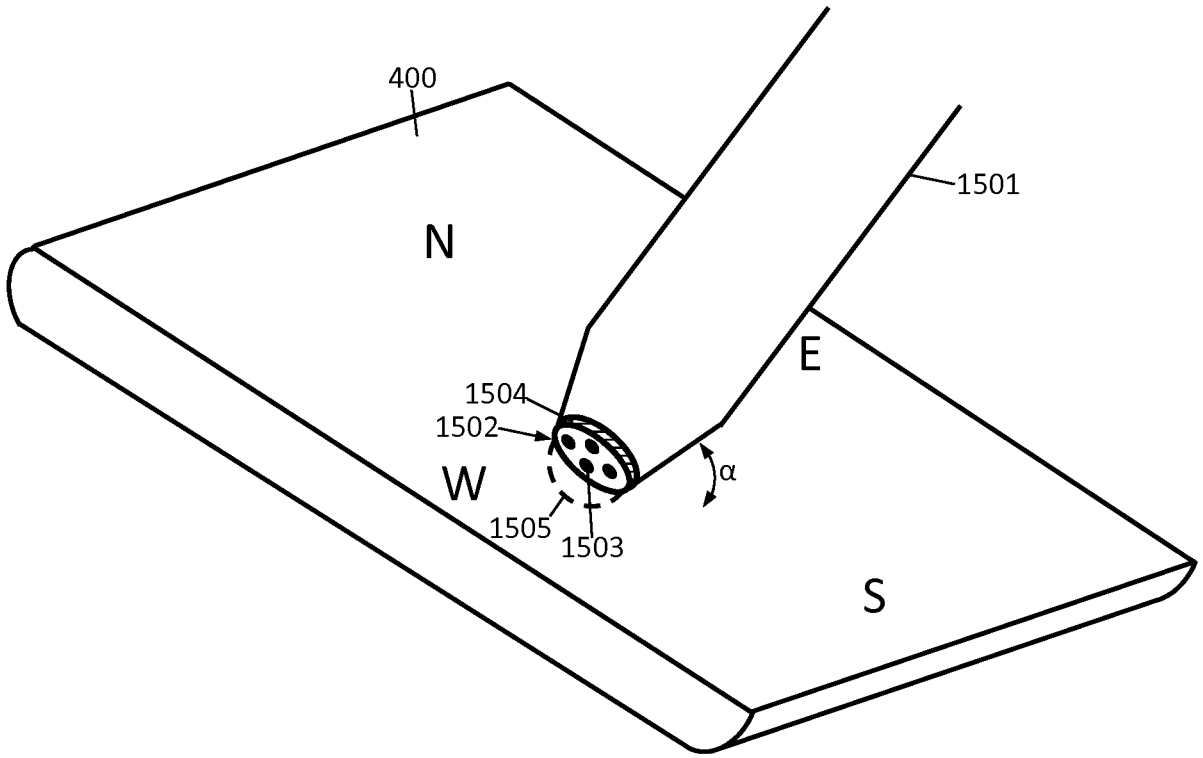


FIG. 15

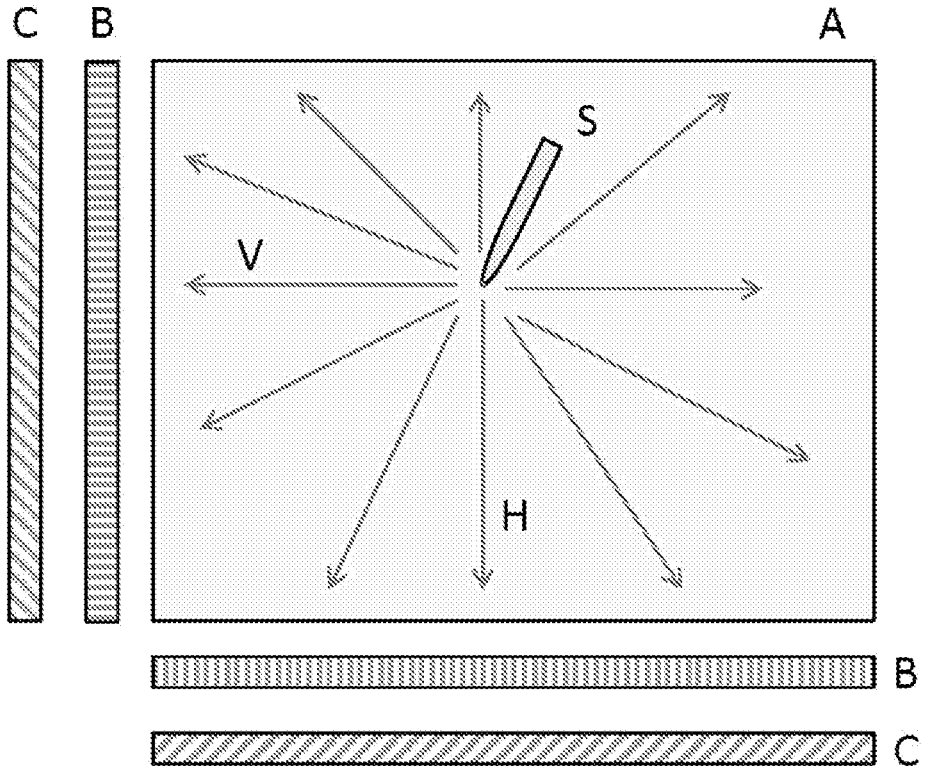


FIG. 16

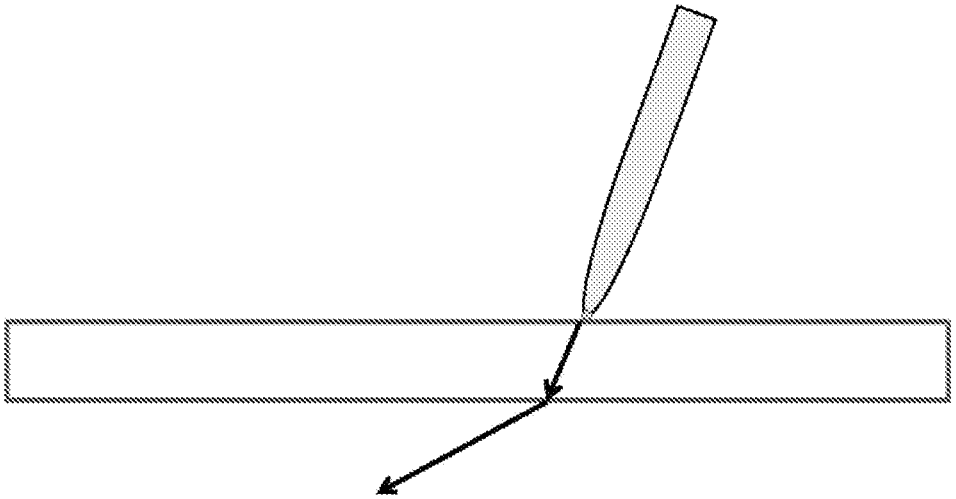


FIG. 17

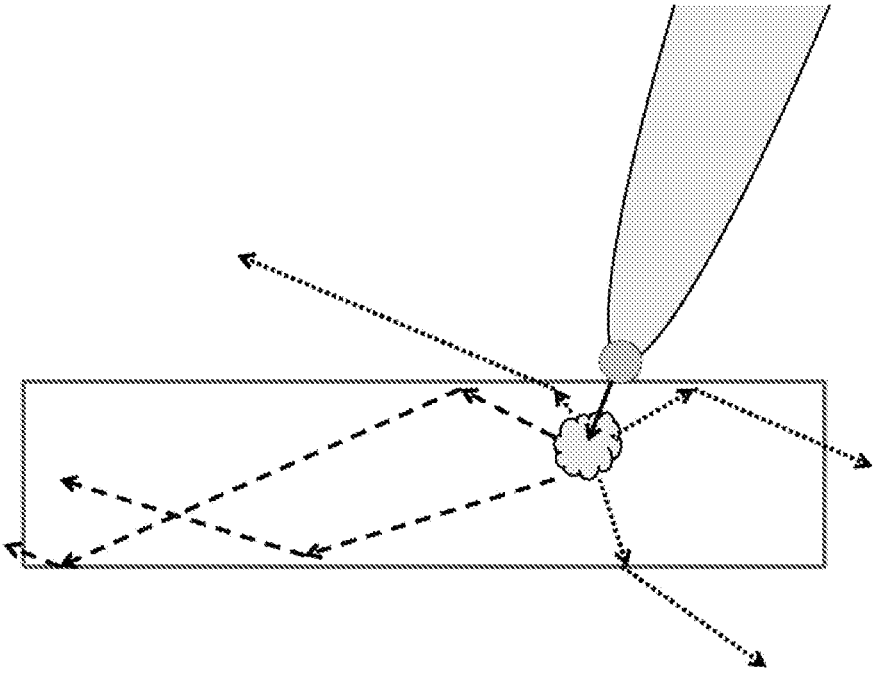


FIG. 18

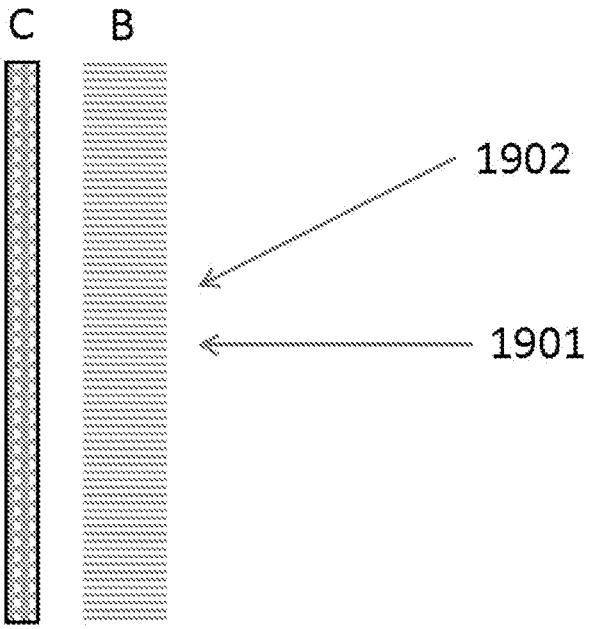


FIG. 19

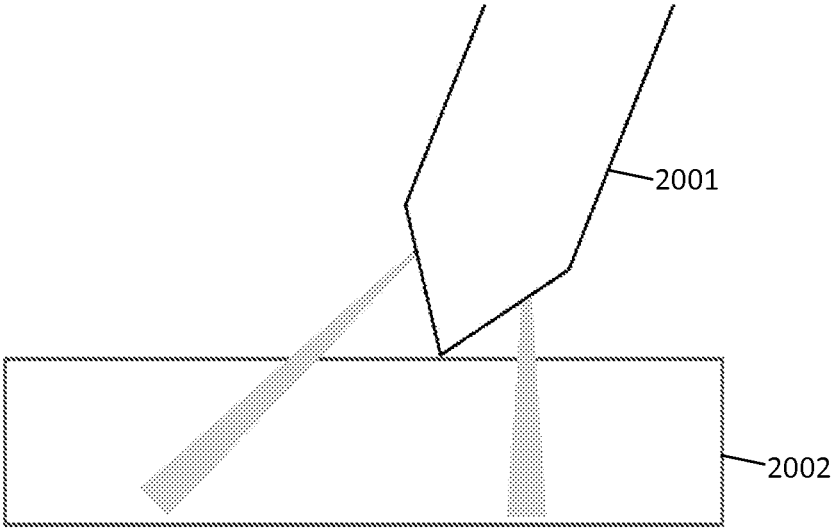


FIG. 20

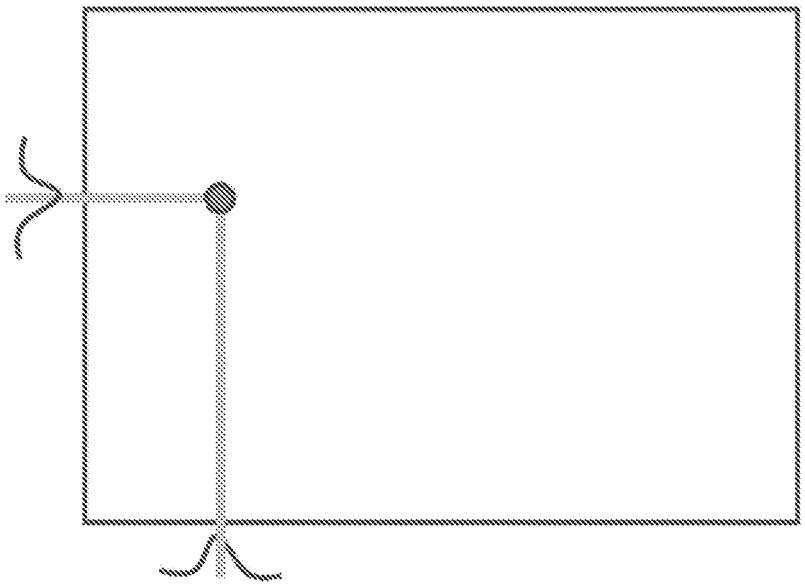


FIG. 21

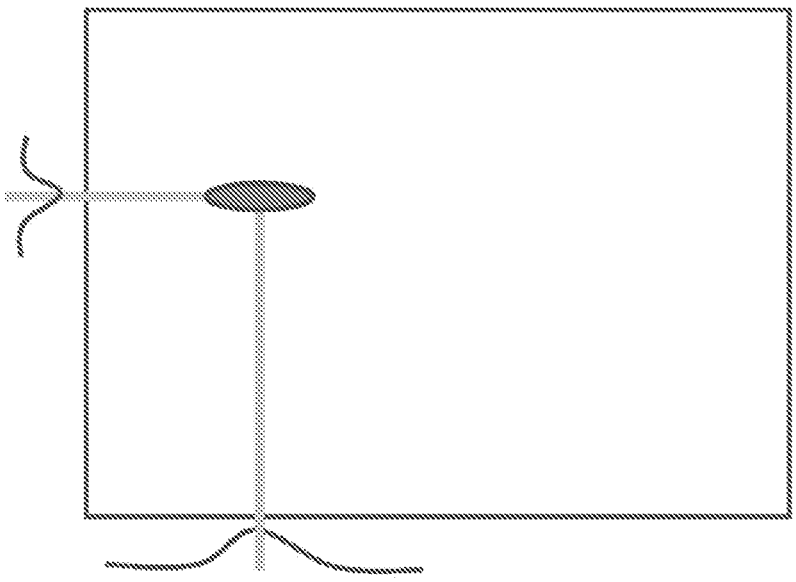


FIG. 22

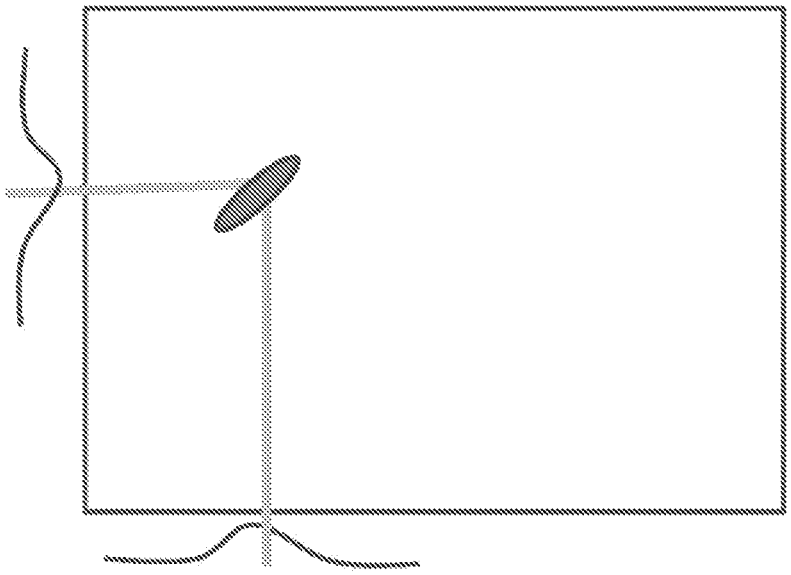


FIG. 23

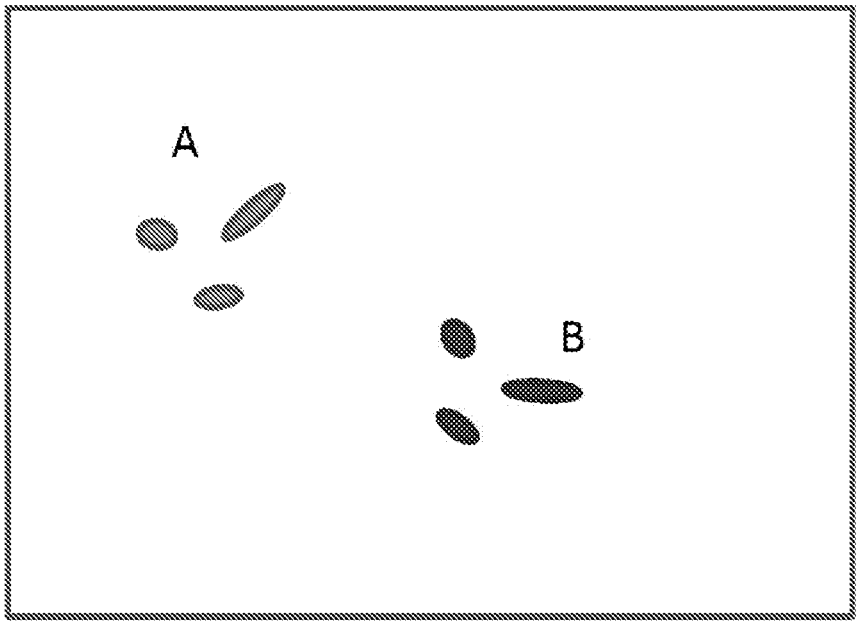


FIG. 24