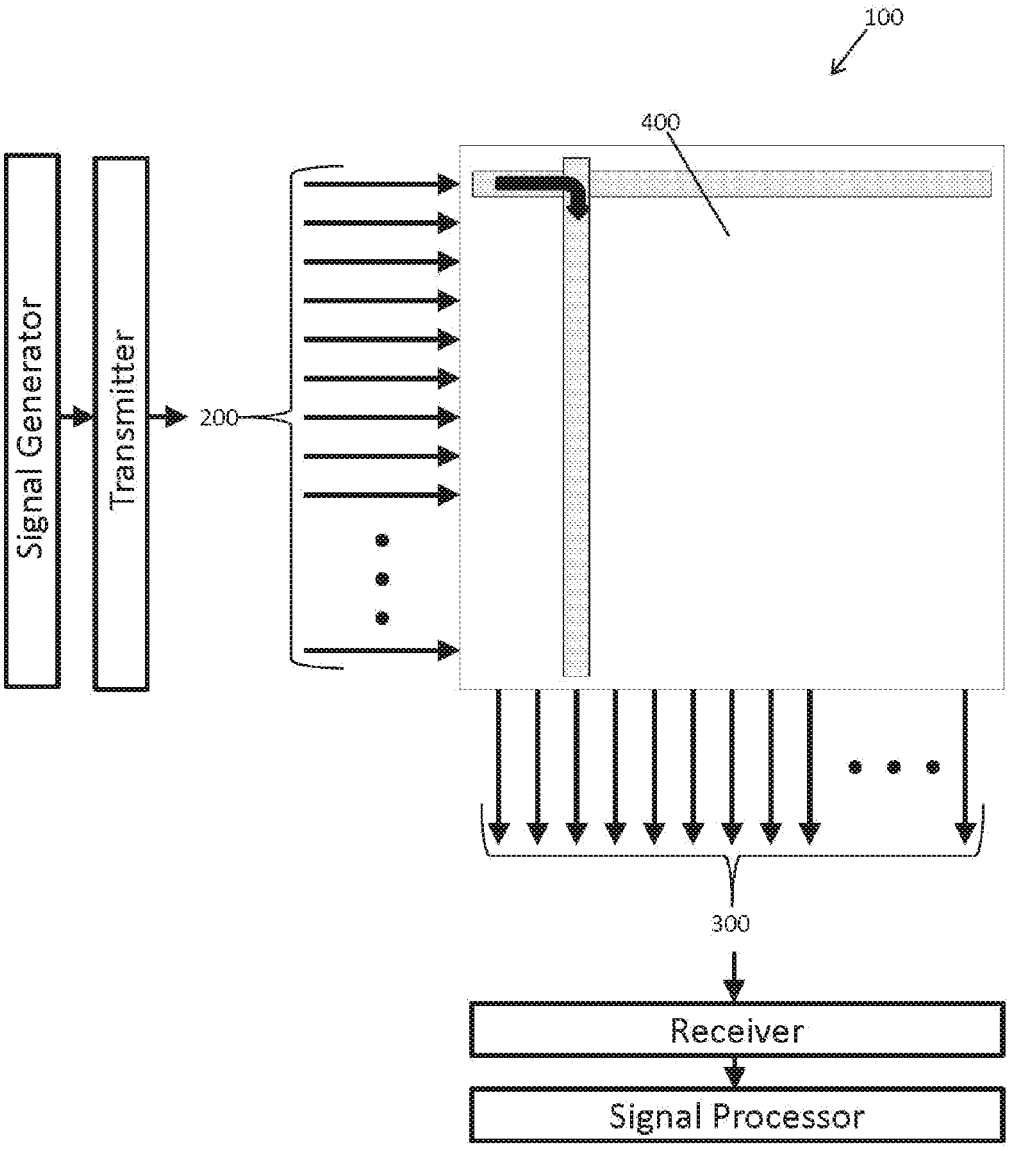
100
400
Signal Generator
Transmitter
200
300
Receiver
Signal Processor

FIG. 1

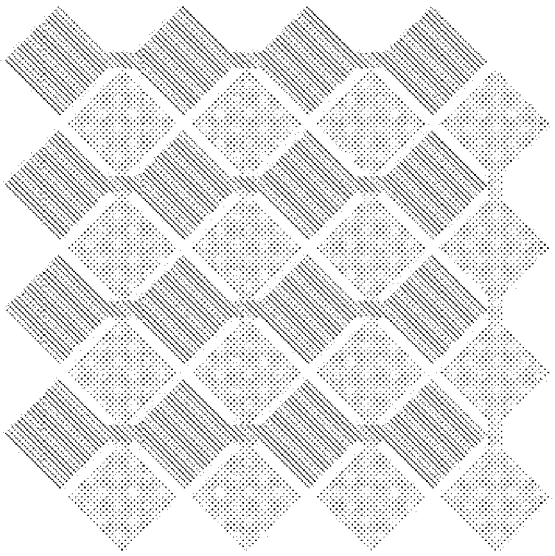

FIG. 2

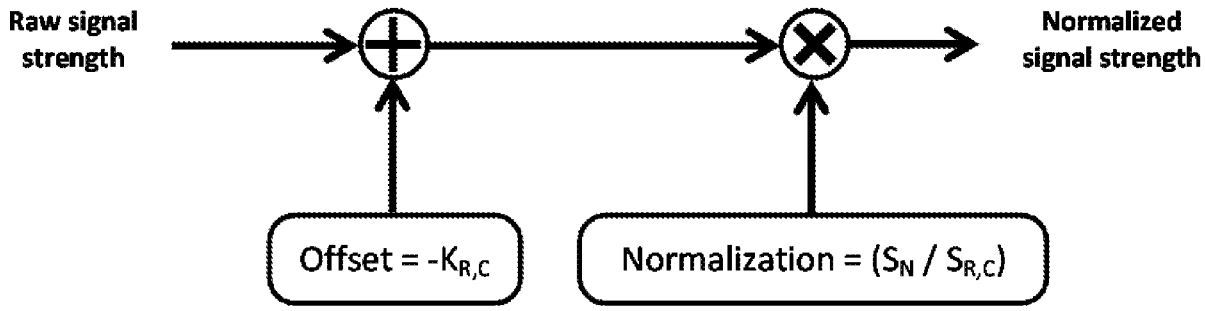
Raw signal strength
Normalized signal strength
Offset = -$K_{R,C}$
Normalization = (S_N / $S_{R,C}$)

FIG. 3

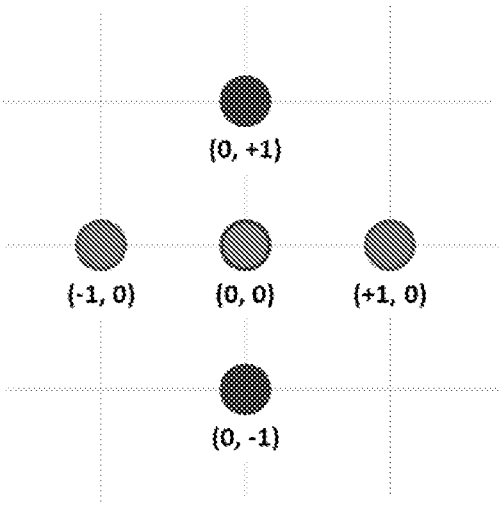
(0, +1)
(-1, 0)
(0, 0)
(+1, 0)
(0, -1)

FIG. 4

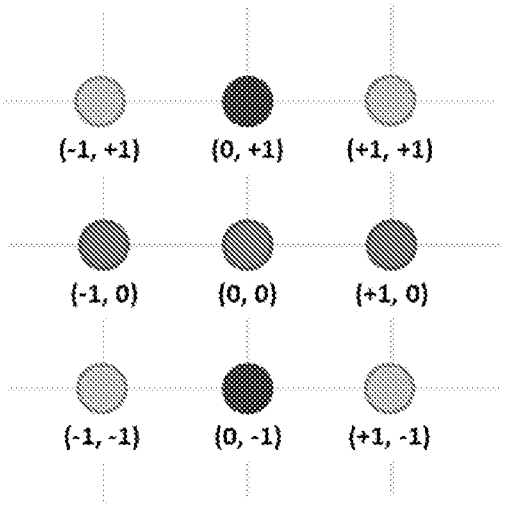

FIG. 5

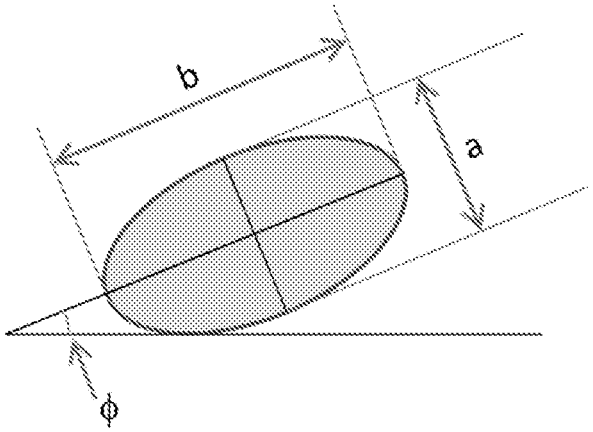

FIG. 6

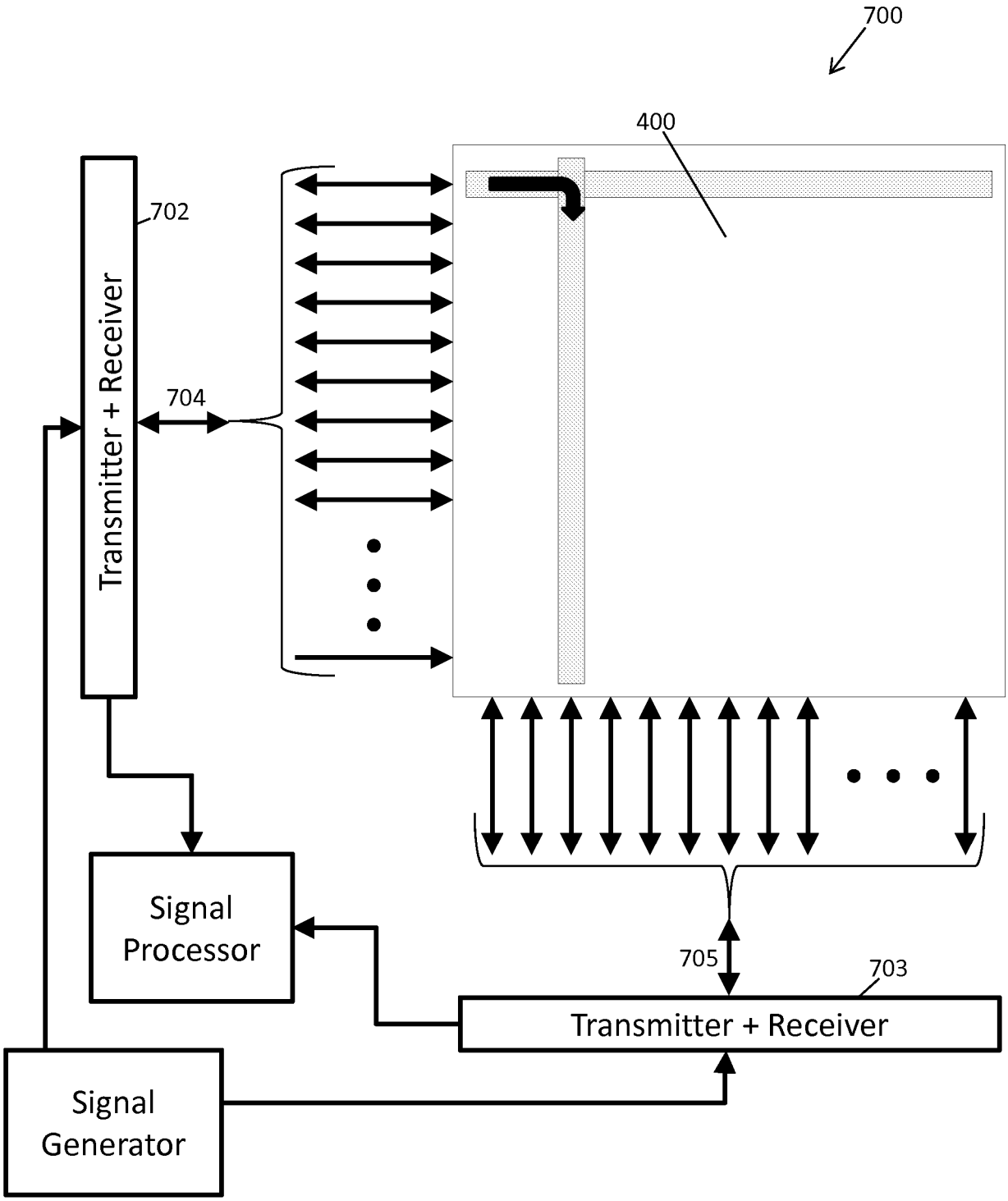
700
400
702
Transmitter + Receiver
704
Signal Processor
705
703
Transmitter + Receiver
Signal Generator

FIG. 7

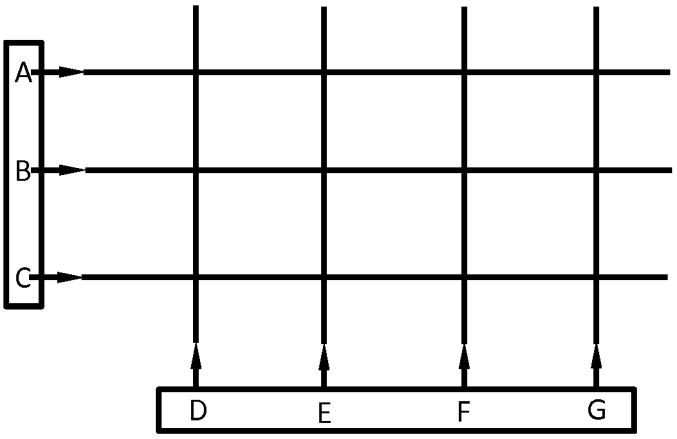

FIG. 8

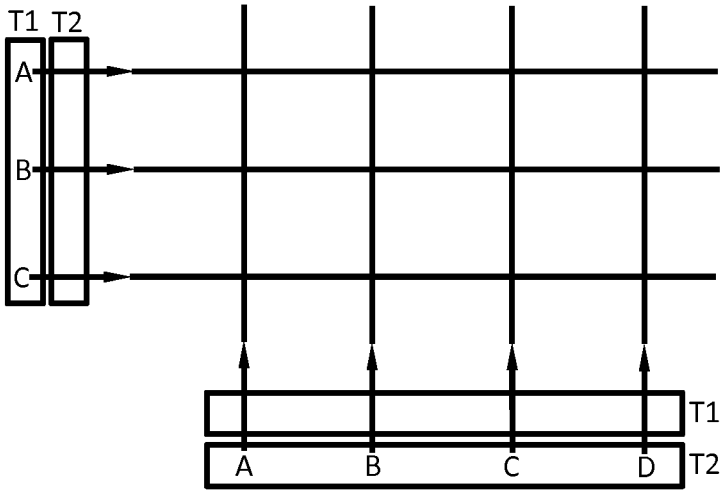

FIG. 9

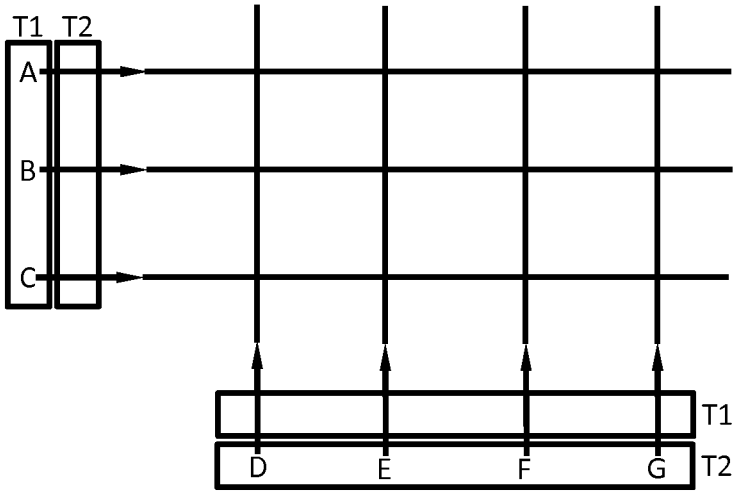

FIG. 10

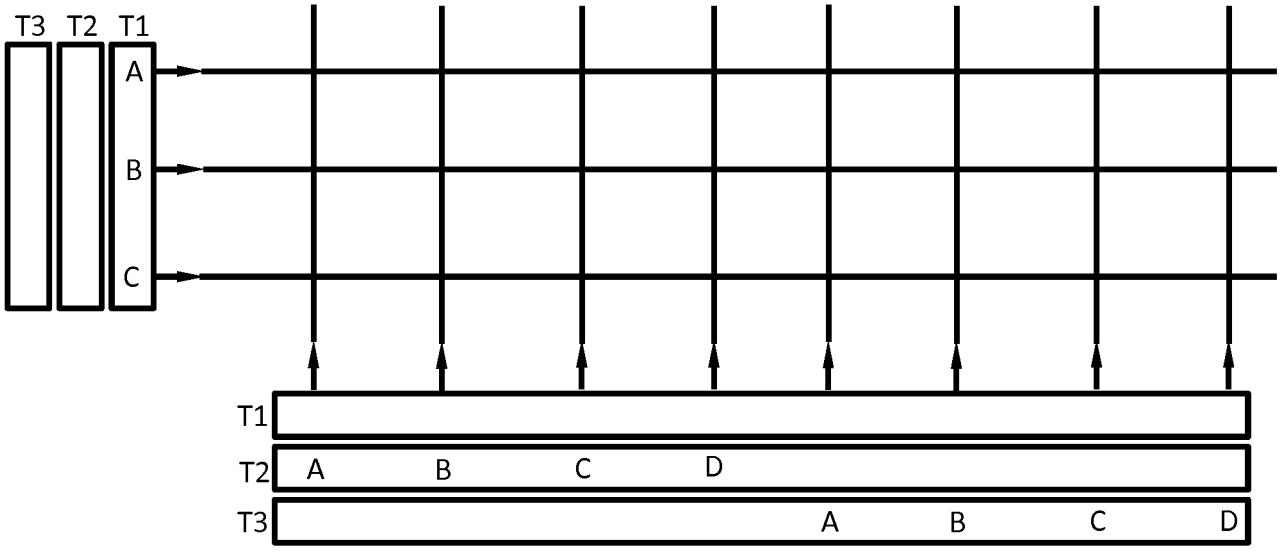

FIG. 11

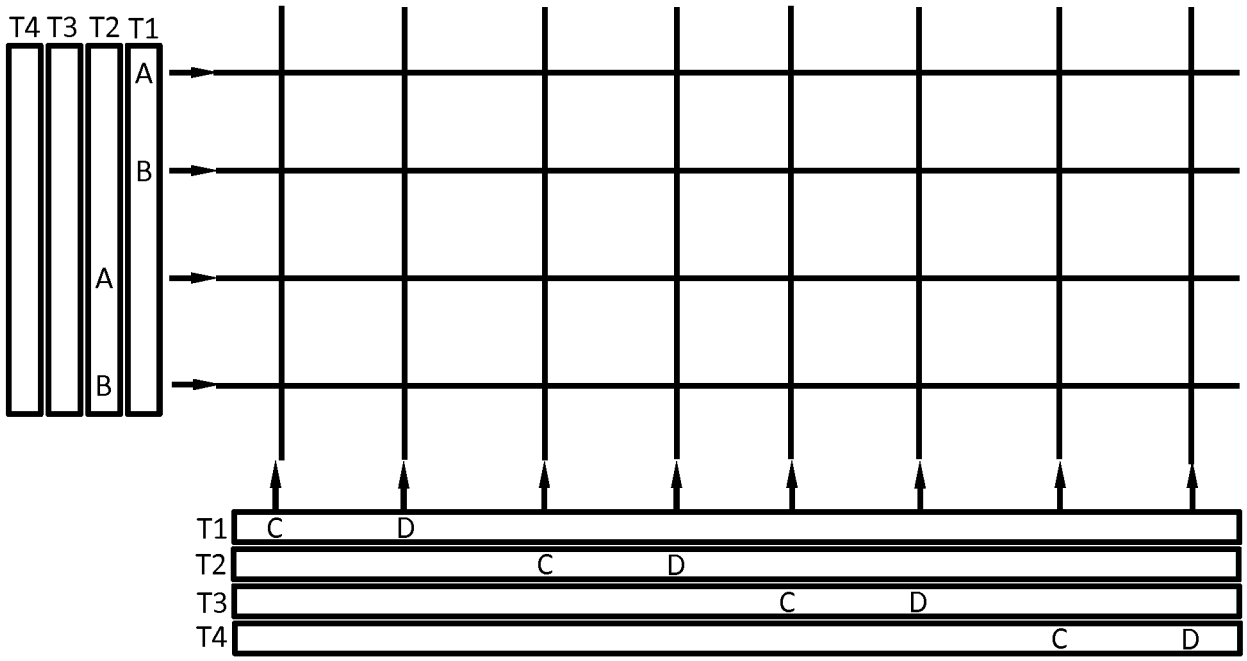

FIG. 12A

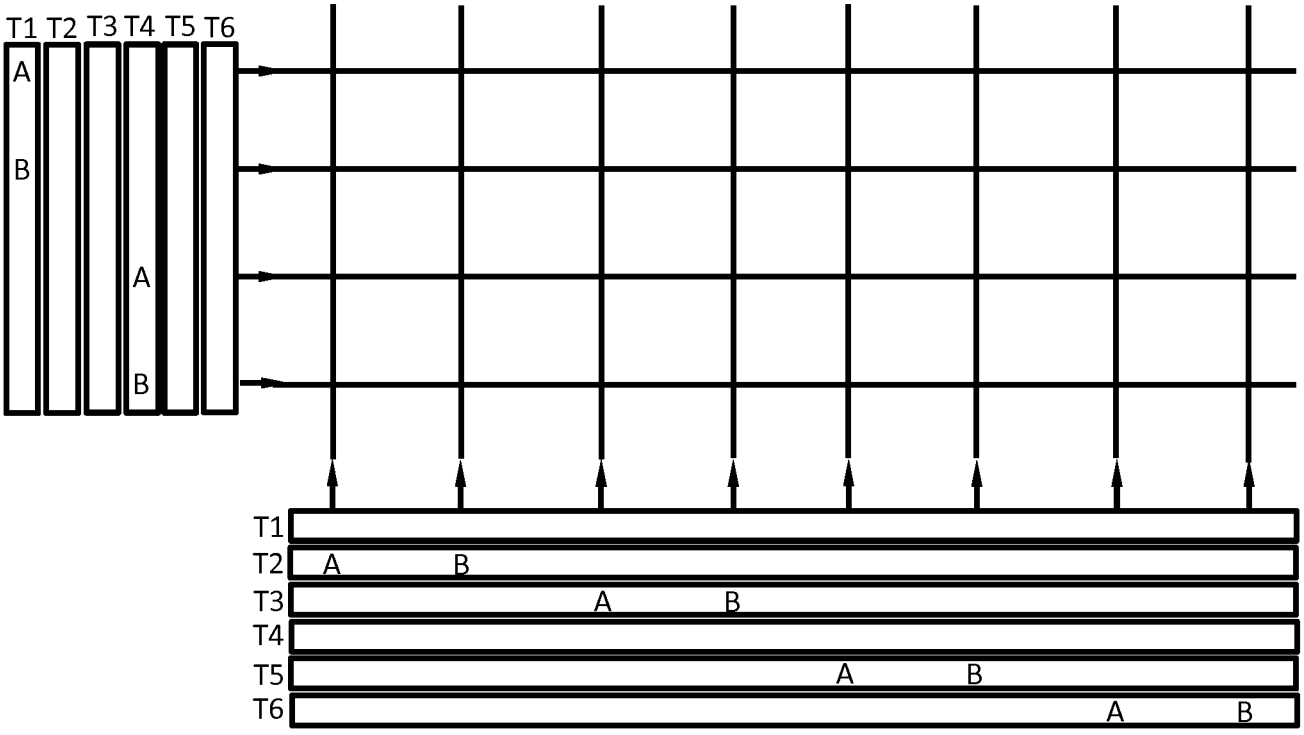

FIG. 12B

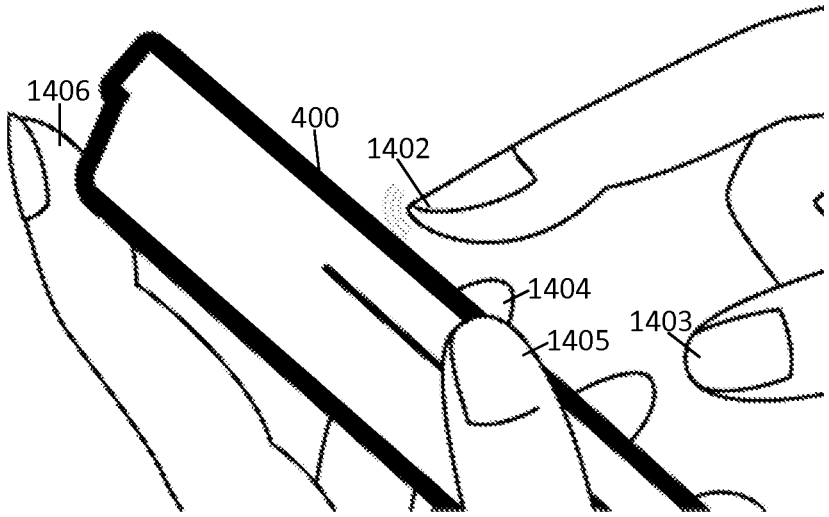
1406
400
1402
1404
1405
1403

FIG. 13

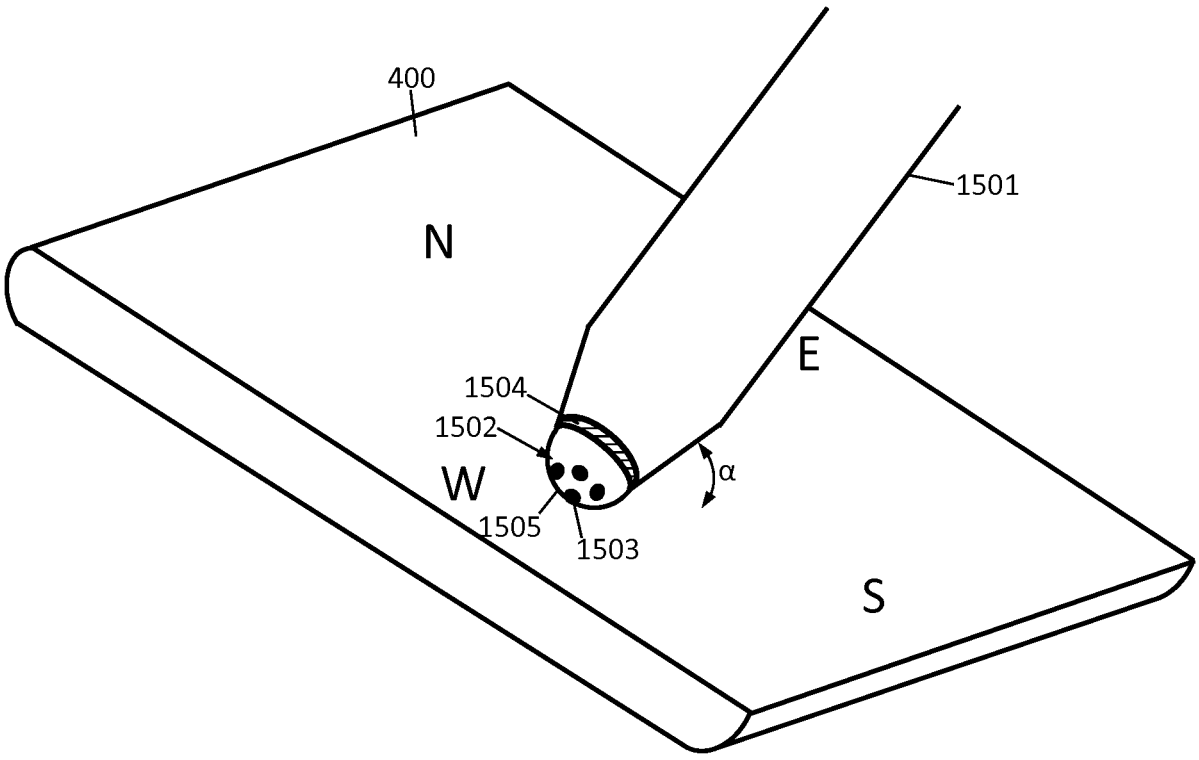
400
1501
N
E
1504
1502
W
α
1505
1503
S

FIG. 14

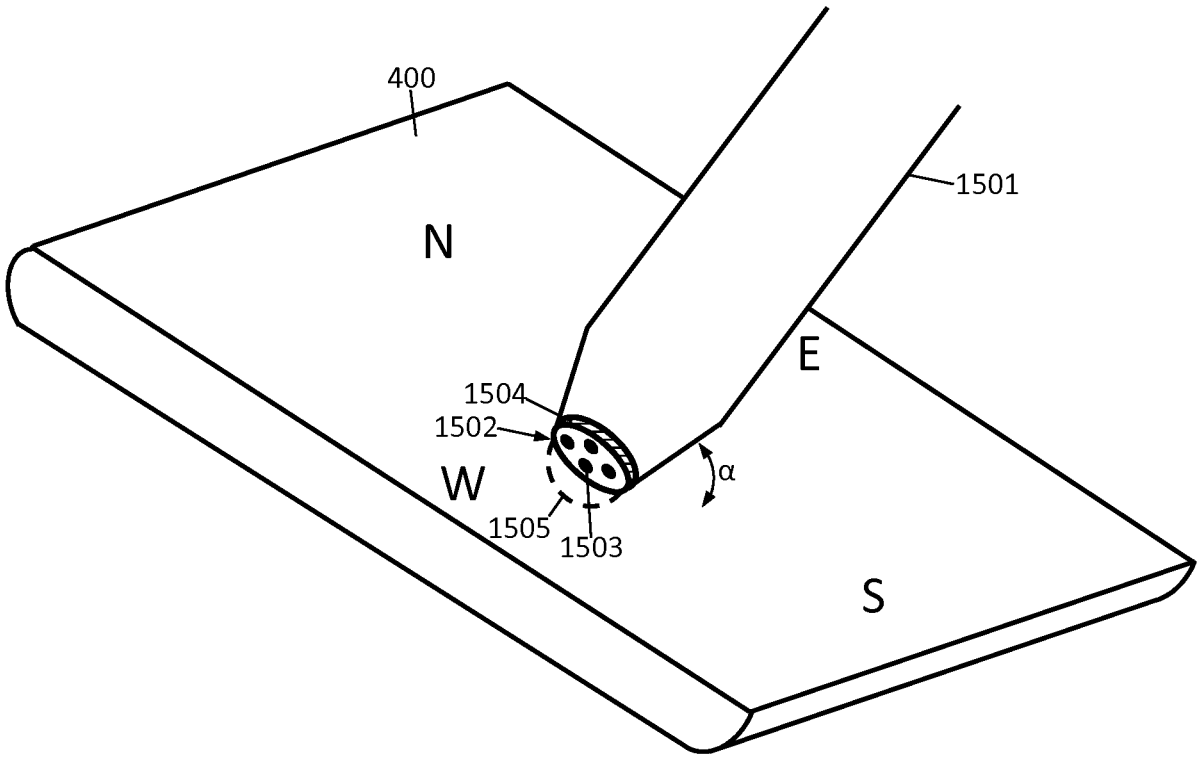

FIG. 15

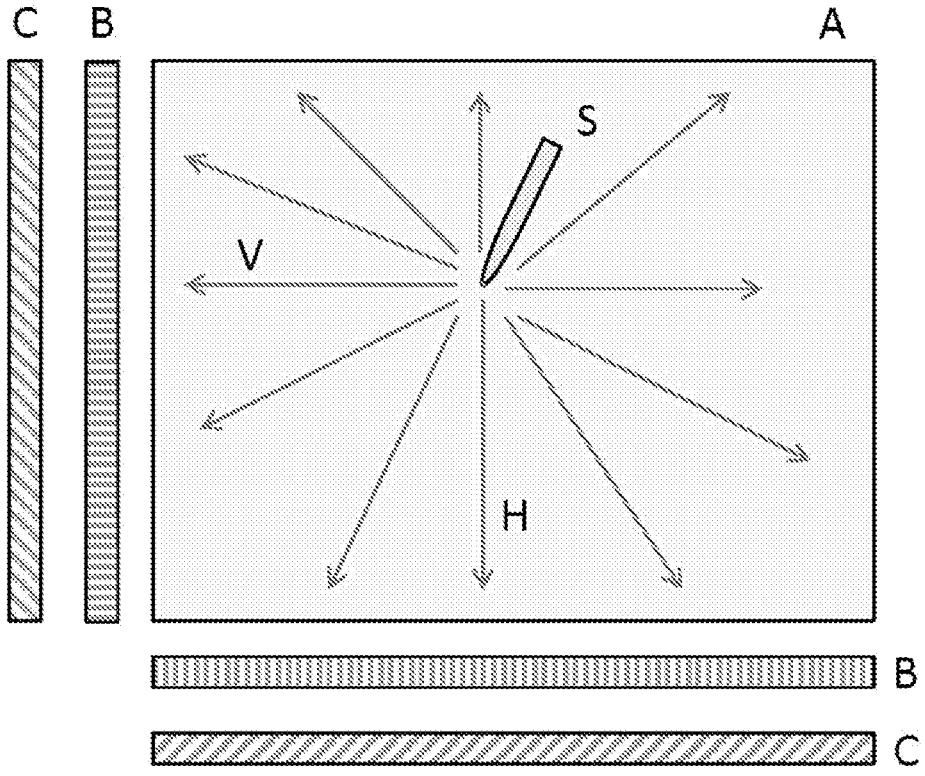

FIG. 16

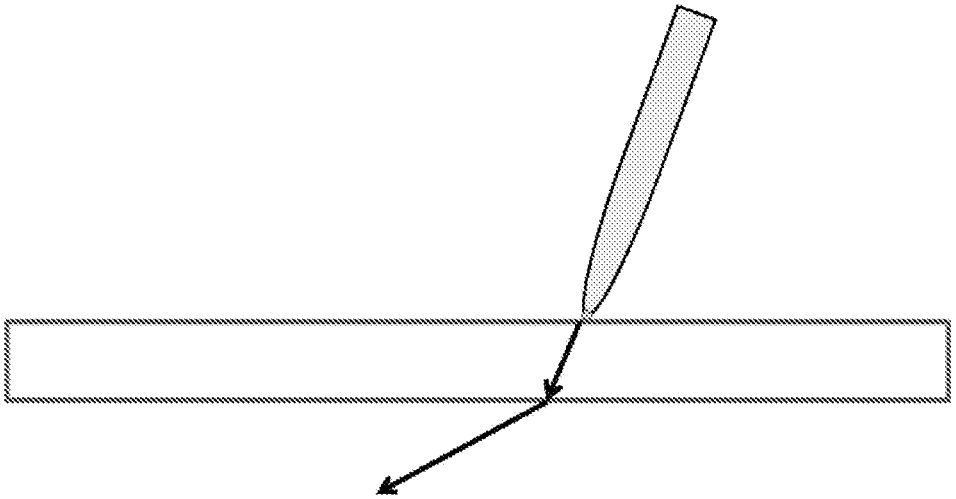

FIG. 17

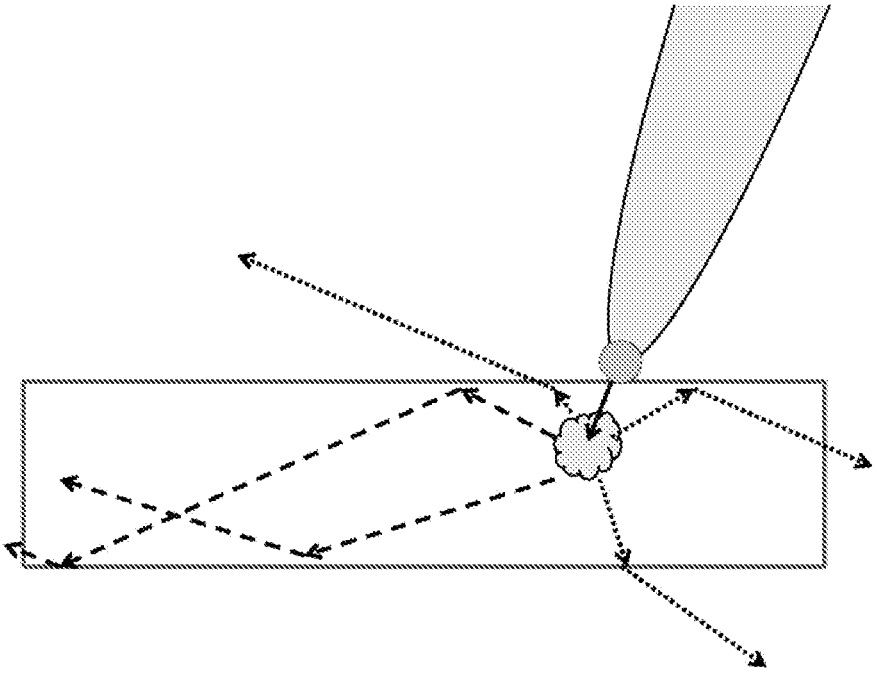

FIG. 18

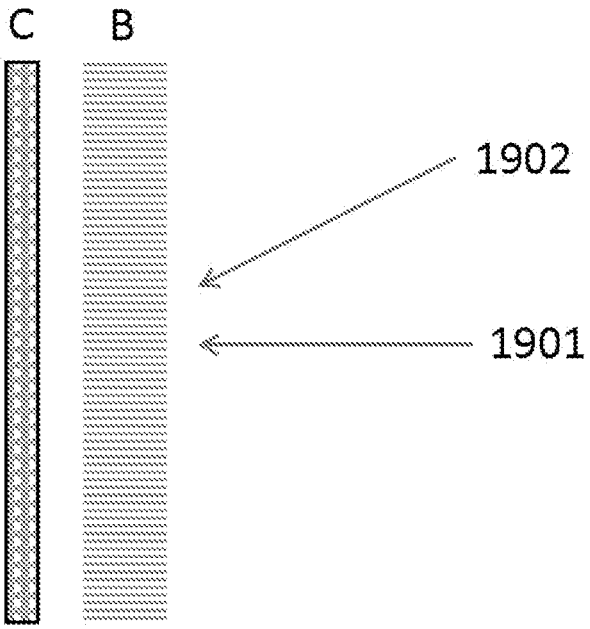

FIG. 19

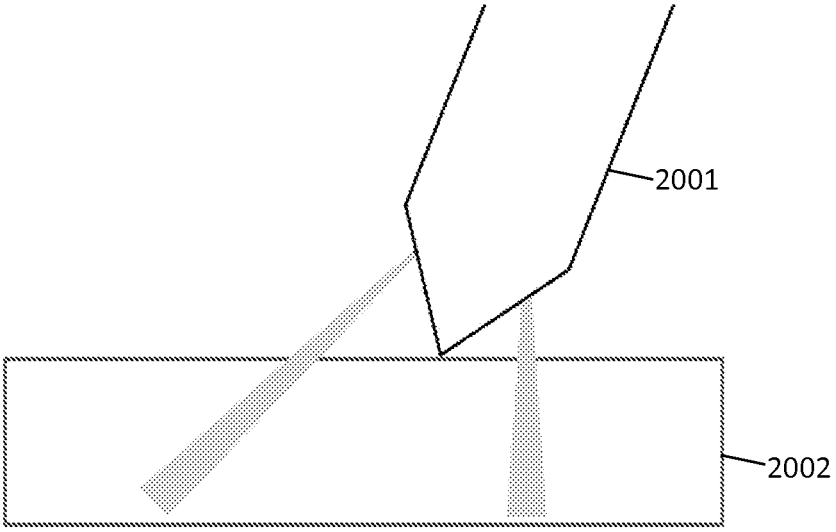

FIG. 20

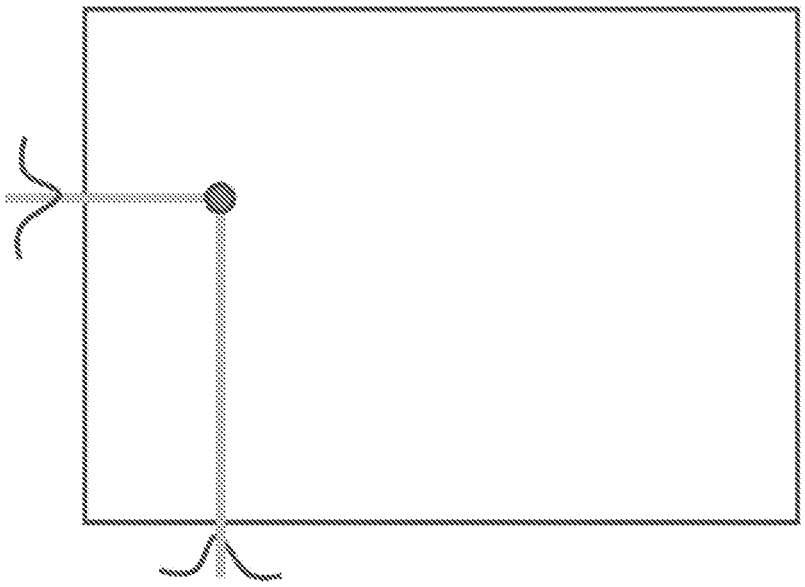

FIG. 21

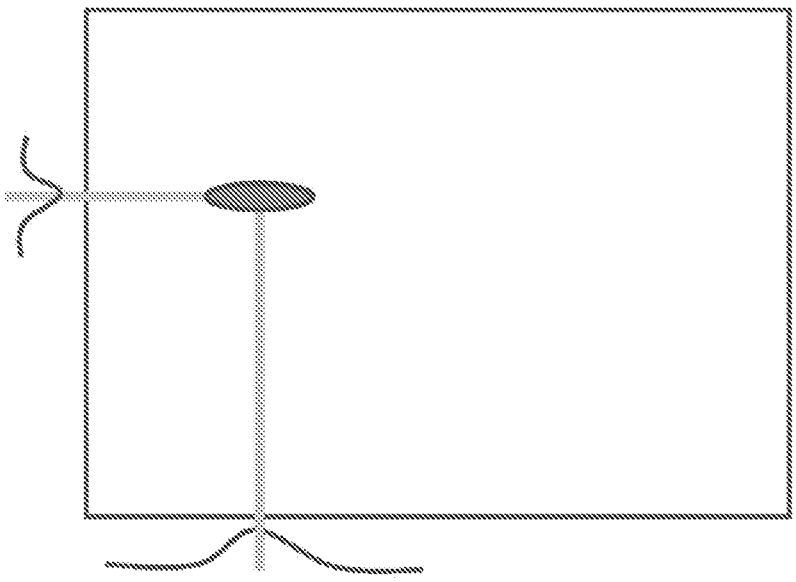

FIG. 22

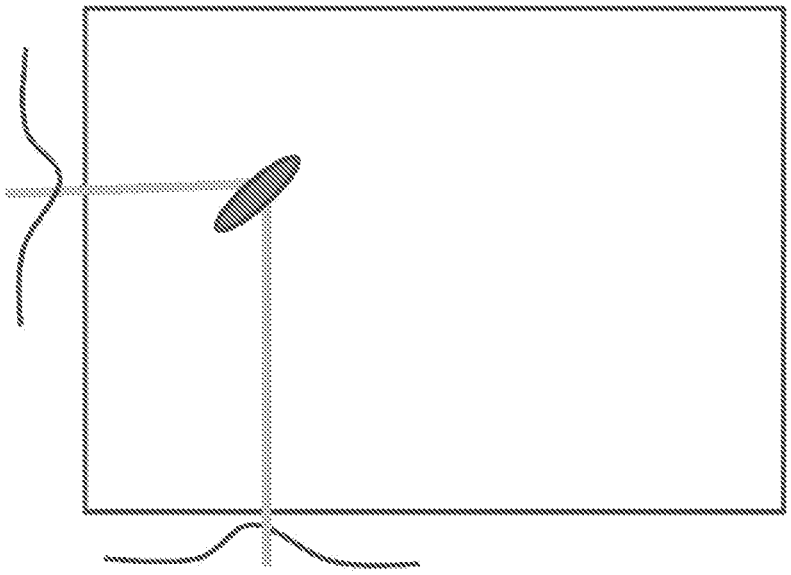

FIG. 23

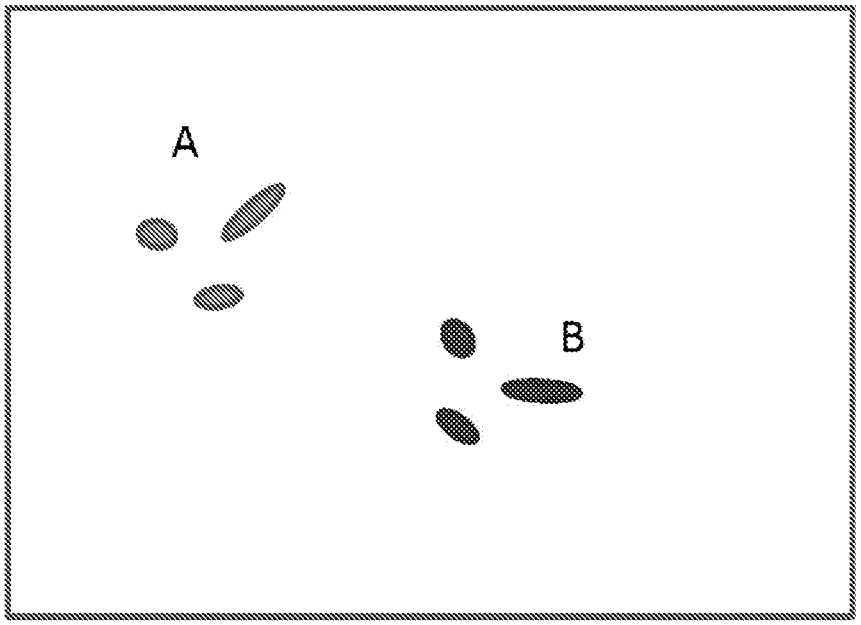

FIG. 24

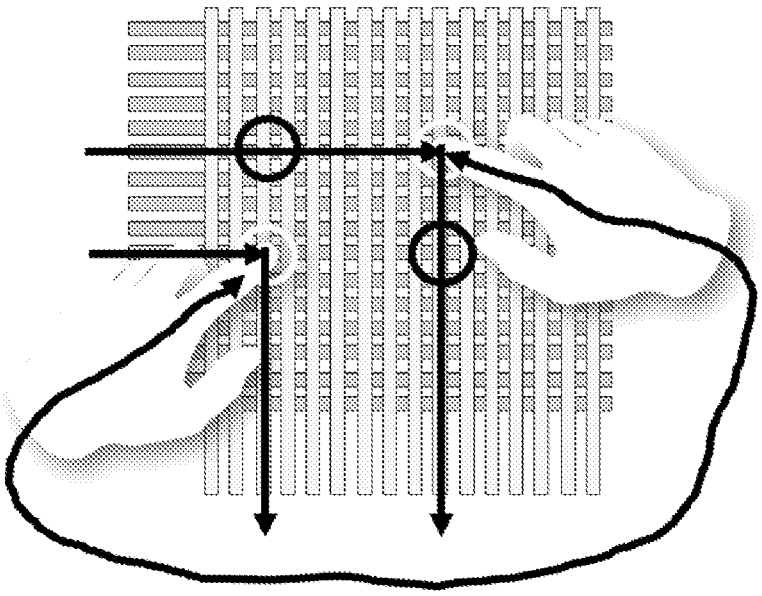

FIG. 25

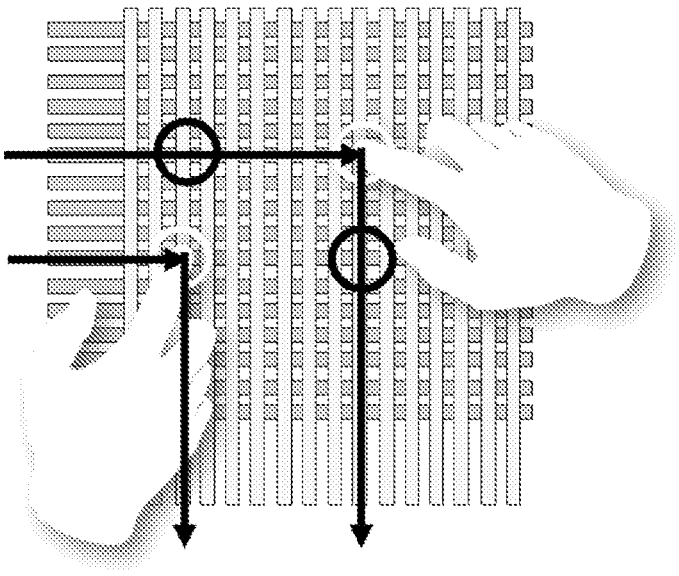

FIG. 26

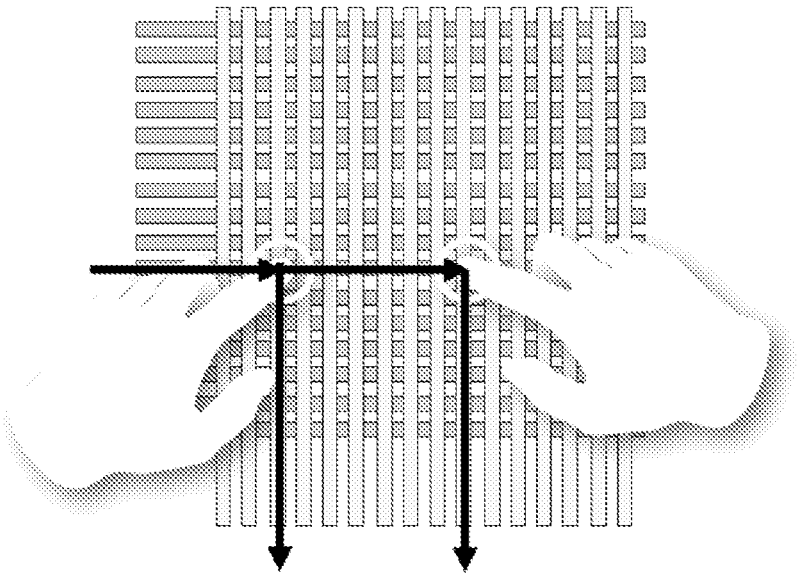

FIG. 27

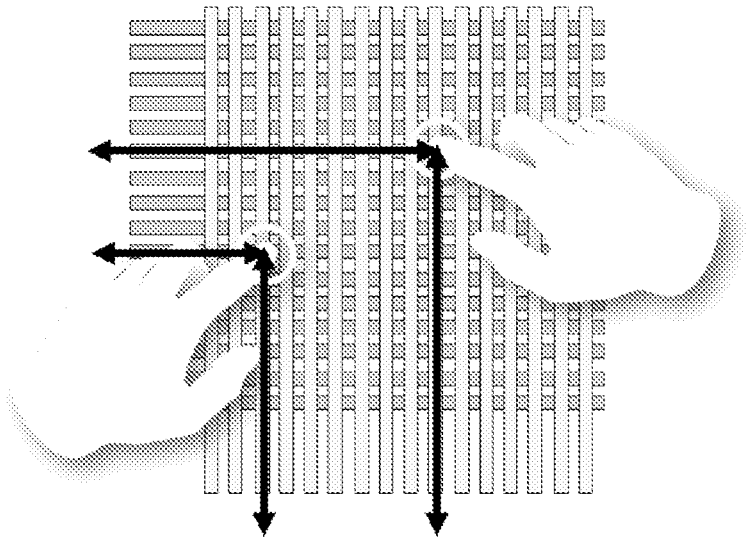

FIG. 28

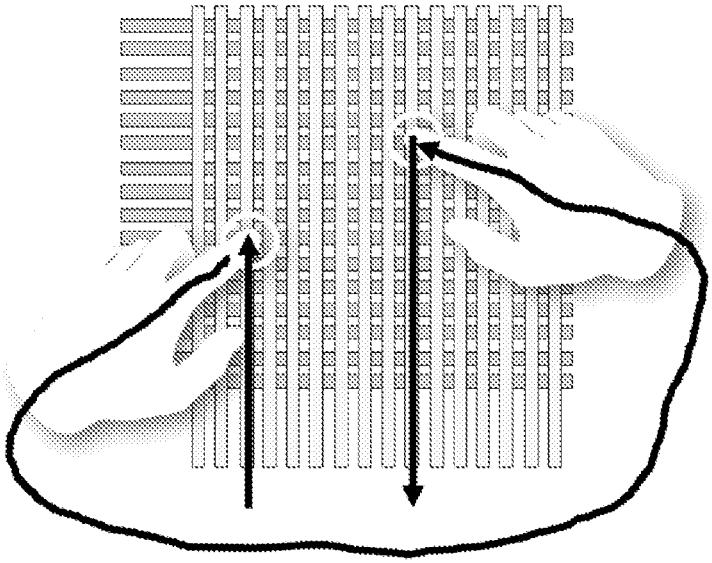

FIG. 29

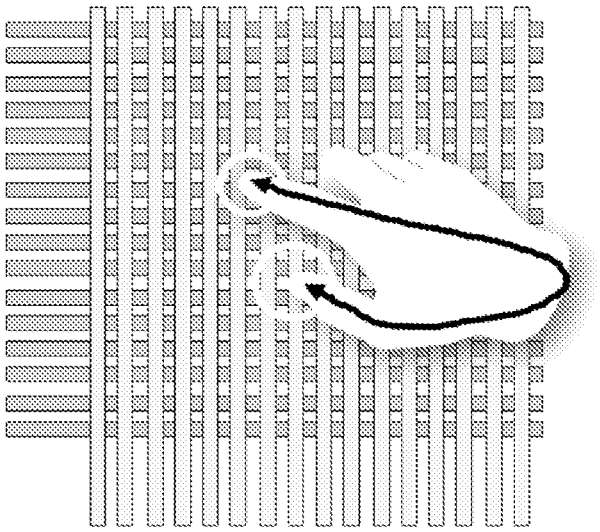

FIG. 30

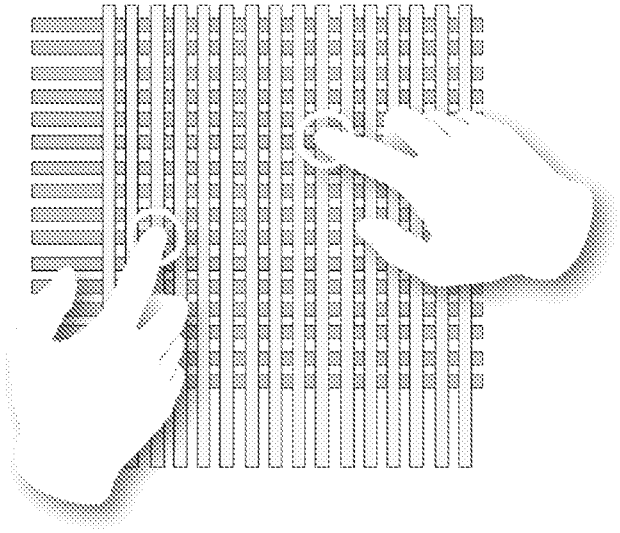

FIG. 31

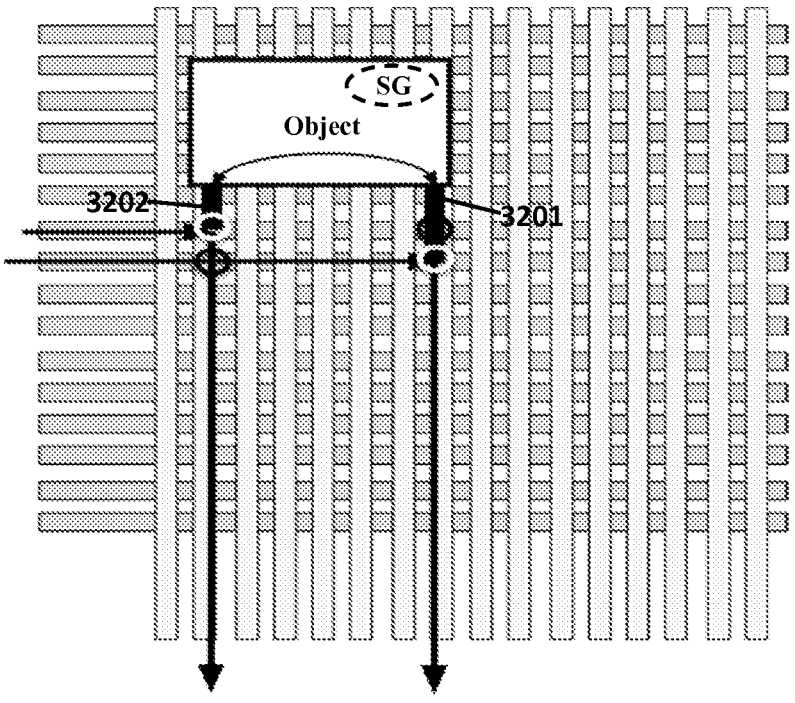

FIG. 32