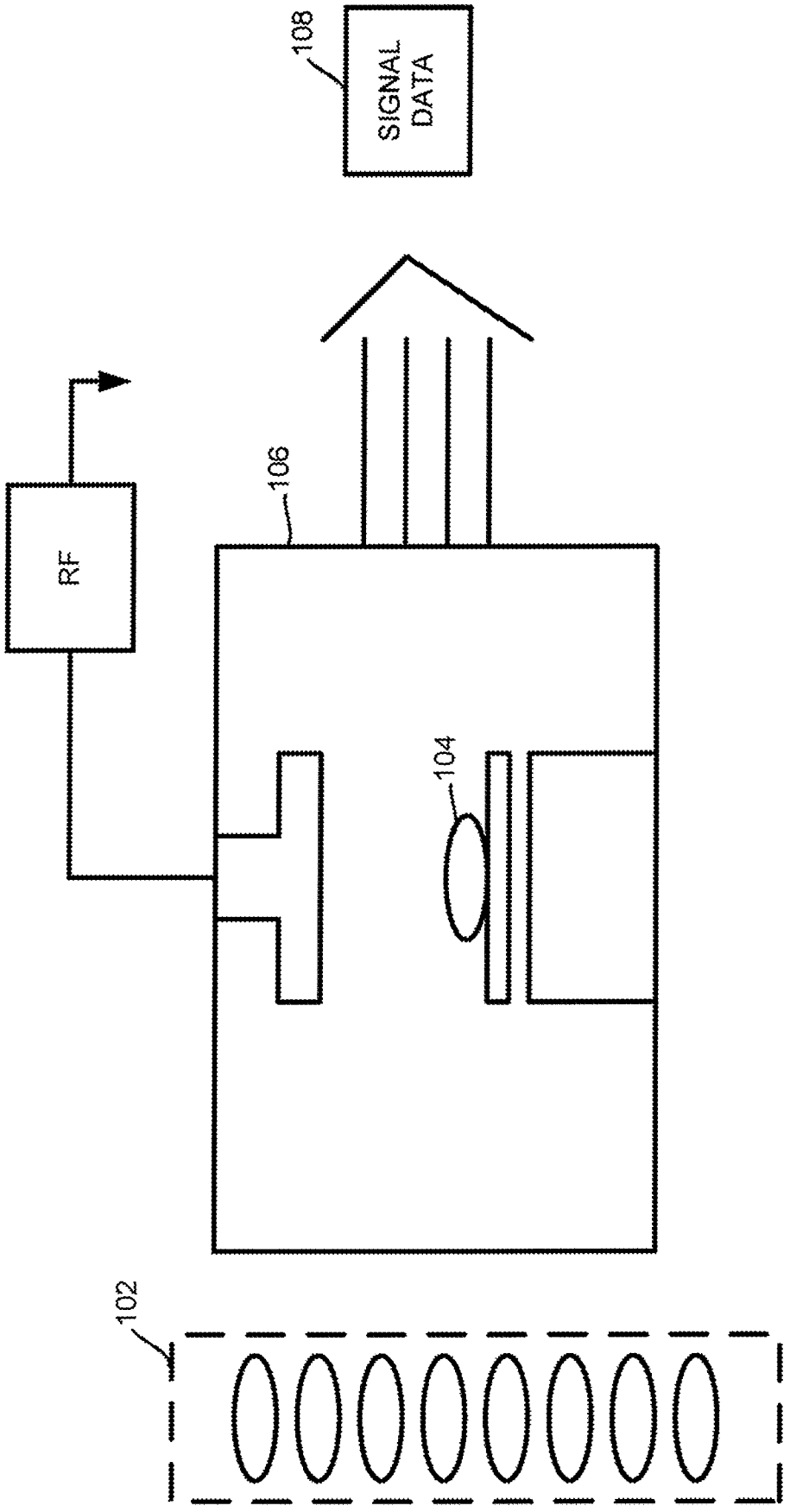


FIGURE 1
(Prior Art)

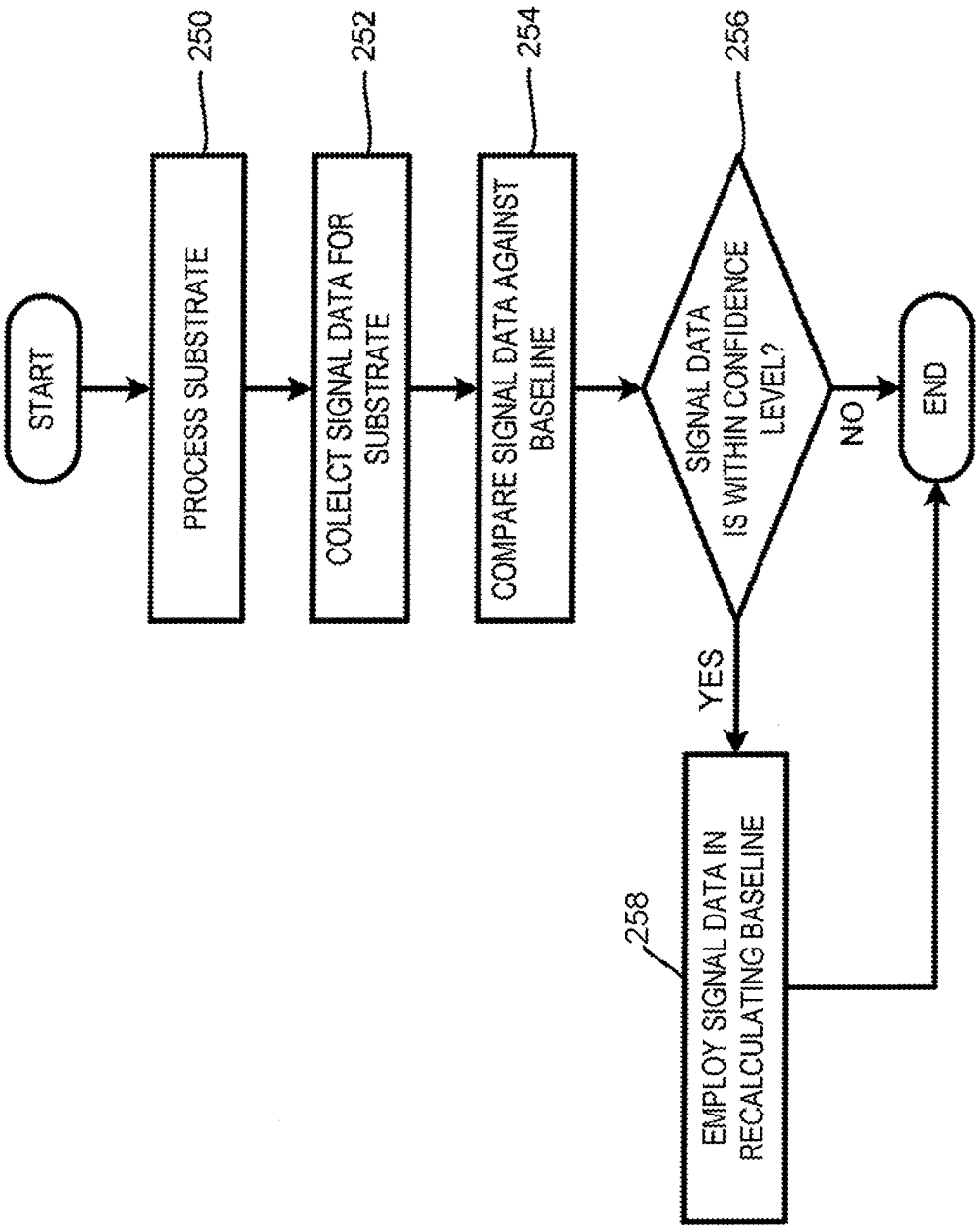

START
PROCESS SUBSTRATE
250
COLELCT SIGNAL DATA FOR SUBSTRATE
252
COMPARE SIGNAL DATA AGAINST BASELINE
254
SIGNAL DATA IS WITHIN CONFIDENCE LEVEL?
256
NO
END
YES
EMPLOY SIGNAL DATA IN RECALCULATING BASELINE
258

FIGURE 2A

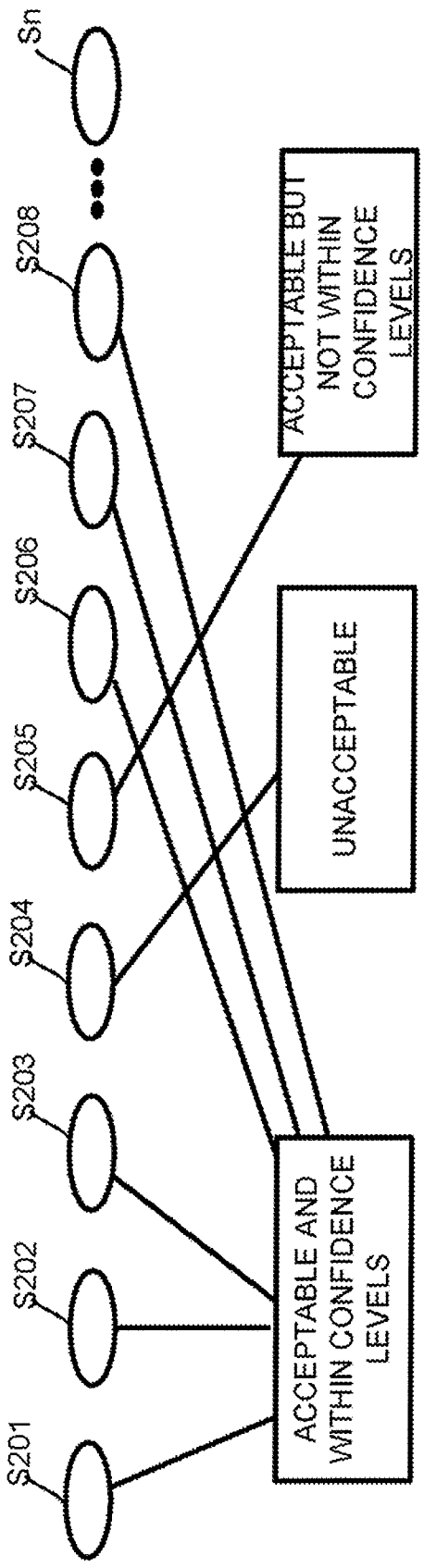

S201
S202
S203
S204
S205
S206
S207
S208
Sn
ACCEPTABLE AND WITHIN CONFIDENCE LEVELS
UNACCEPTABLE
ACCEPTABLE BUT NOT WITHIN CONFIDENCE LEVELS

FIGURE 2B

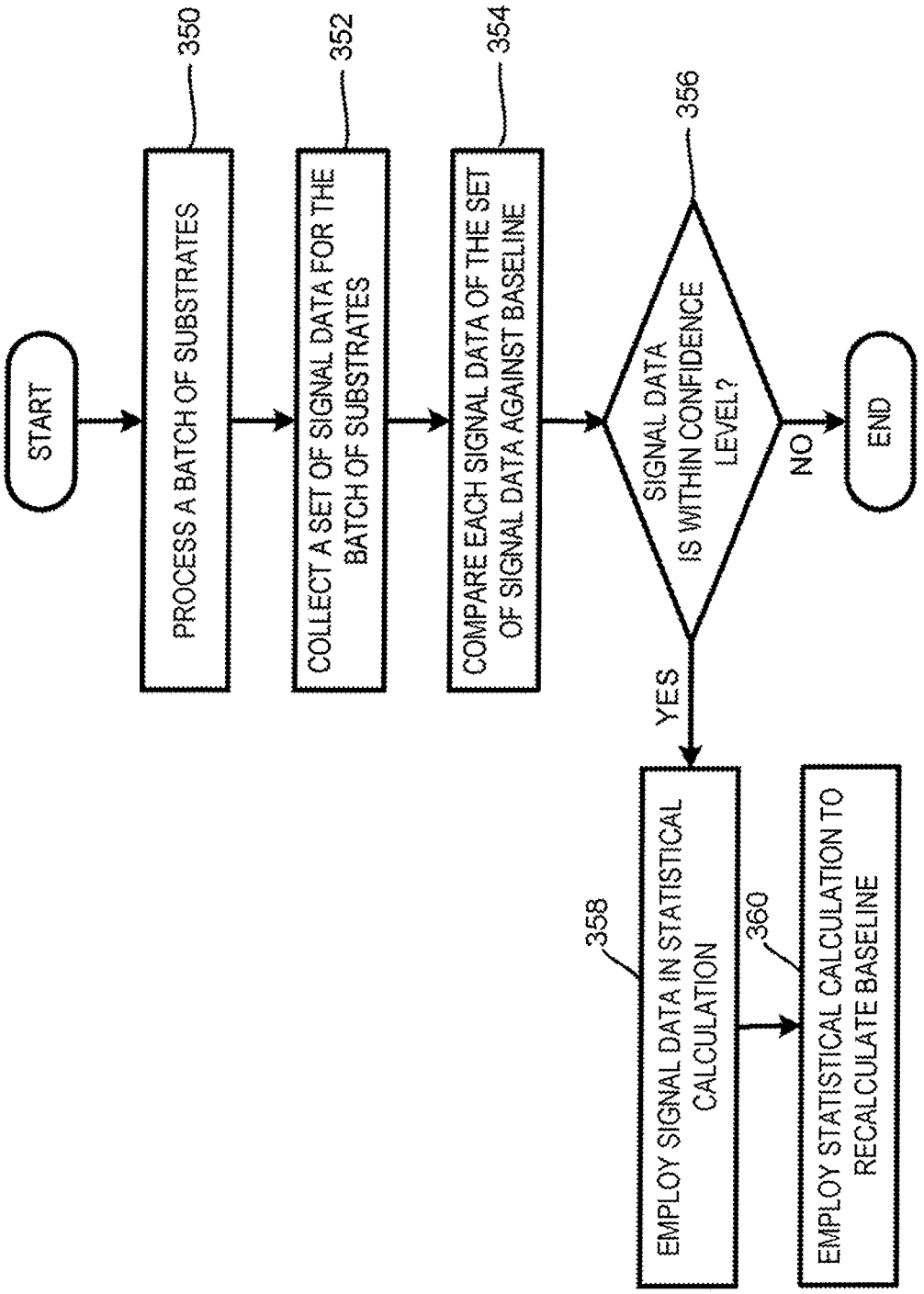

START
PROCESS A BATCH OF SUBSTRATES
350
COLLECT A SET OF SIGNAL DATA FOR THE BATCH OF SUBSTRATES
352
COMPARE EACH SIGNAL DATA OF THE SET OF SIGNAL DATA AGAINST BASELINE
354
SIGNAL DATA IS WITHIN CONFIDENCE LEVEL?
356
NO
END
YES
EMPLOY SIGNAL DATA IN STATISTICAL CALCULATION
358
360
EMPLOY STATISTICAL CALCULATION TO RECALCULATE BASELINE

FIGURE 3A

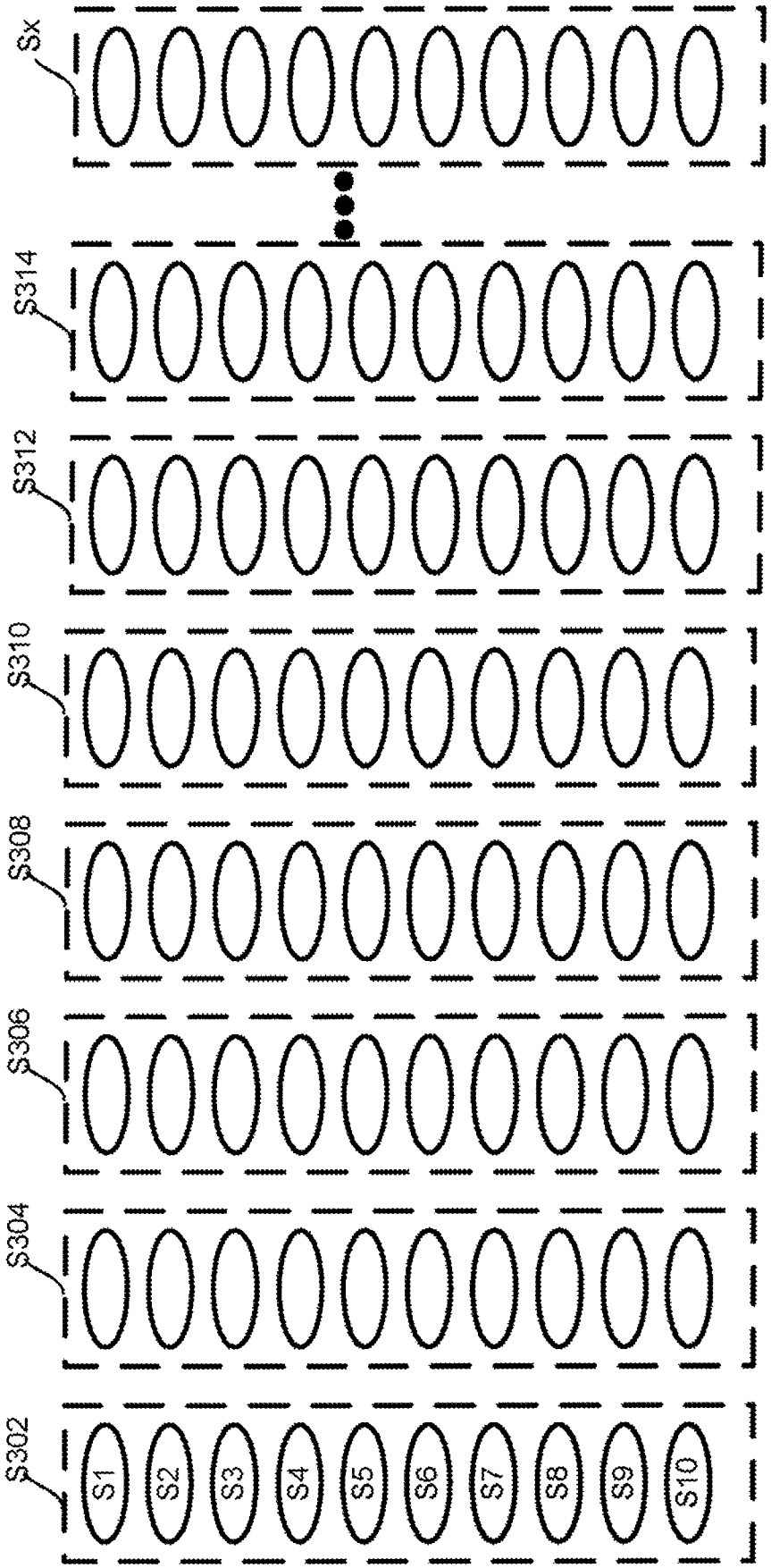

Sx
S314
S312
S310
S308
S306
S304
S302
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10

FIGURE 3B

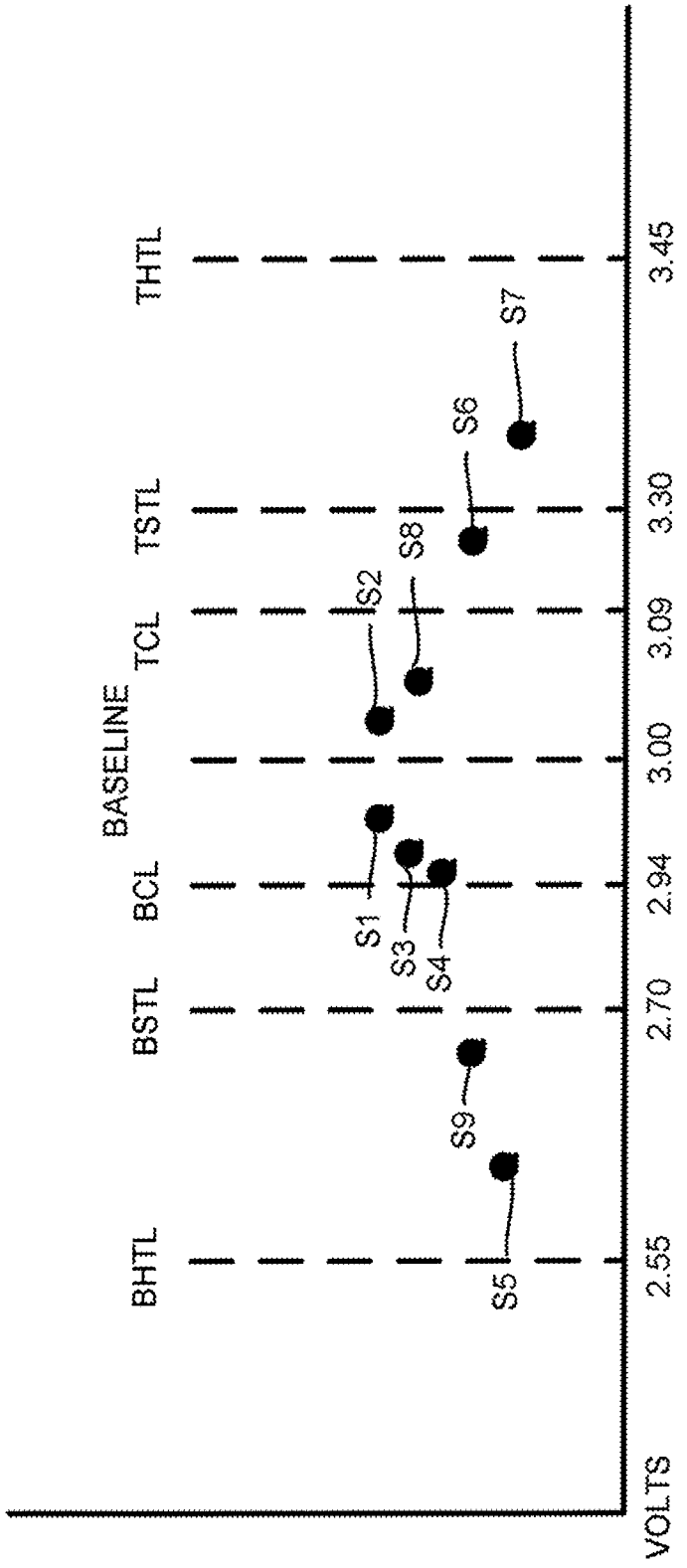

BHTL
BSTL
BCL
BASELINE
TCL
TSTL
THTL
VOLTS
2.55
2.70
2.94
3.00
3.09
3.30
3.45
S1
S2
S3
S4
S5
S6
S7
S8
S9

FIGURE 4

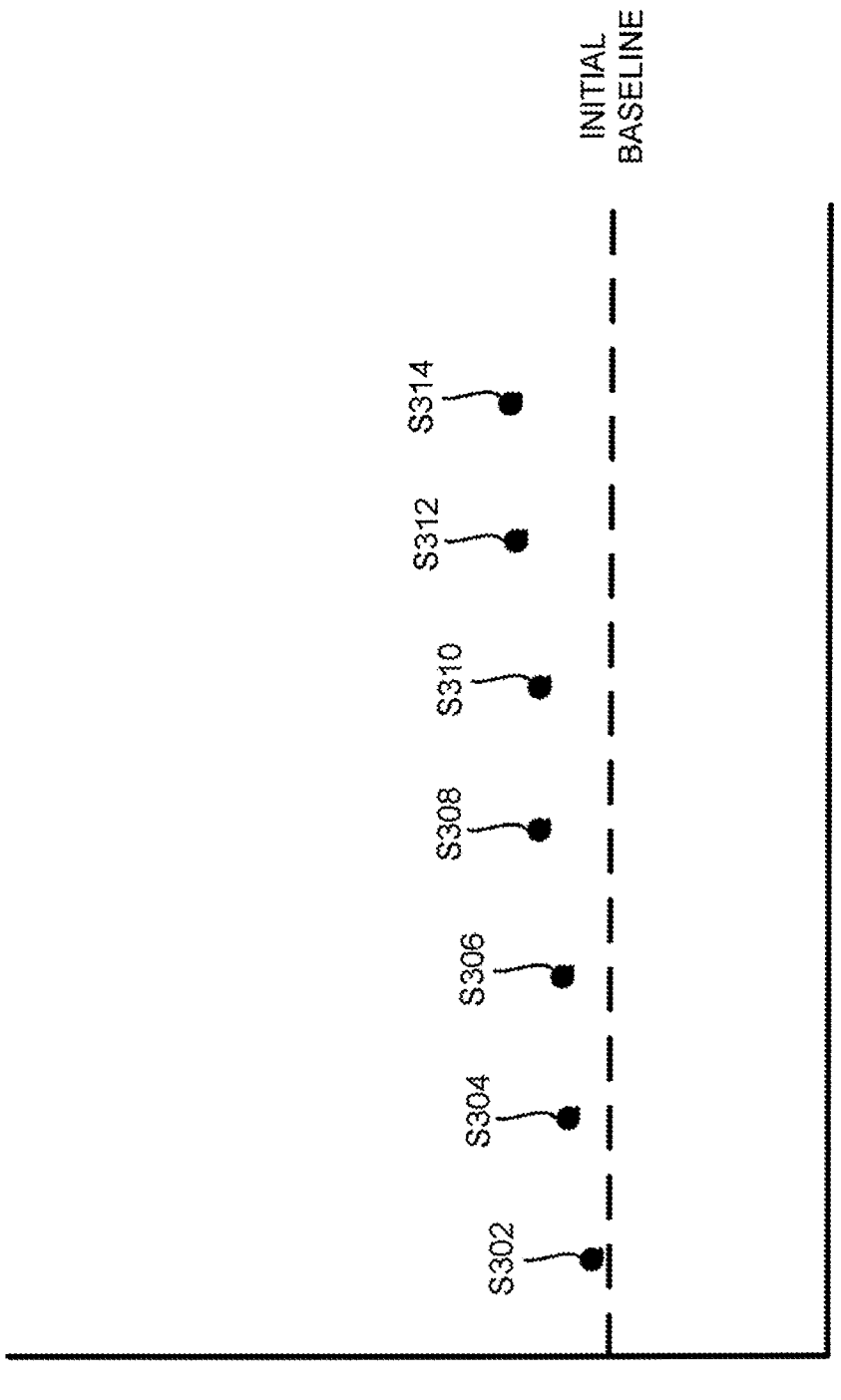


FIGURE 5

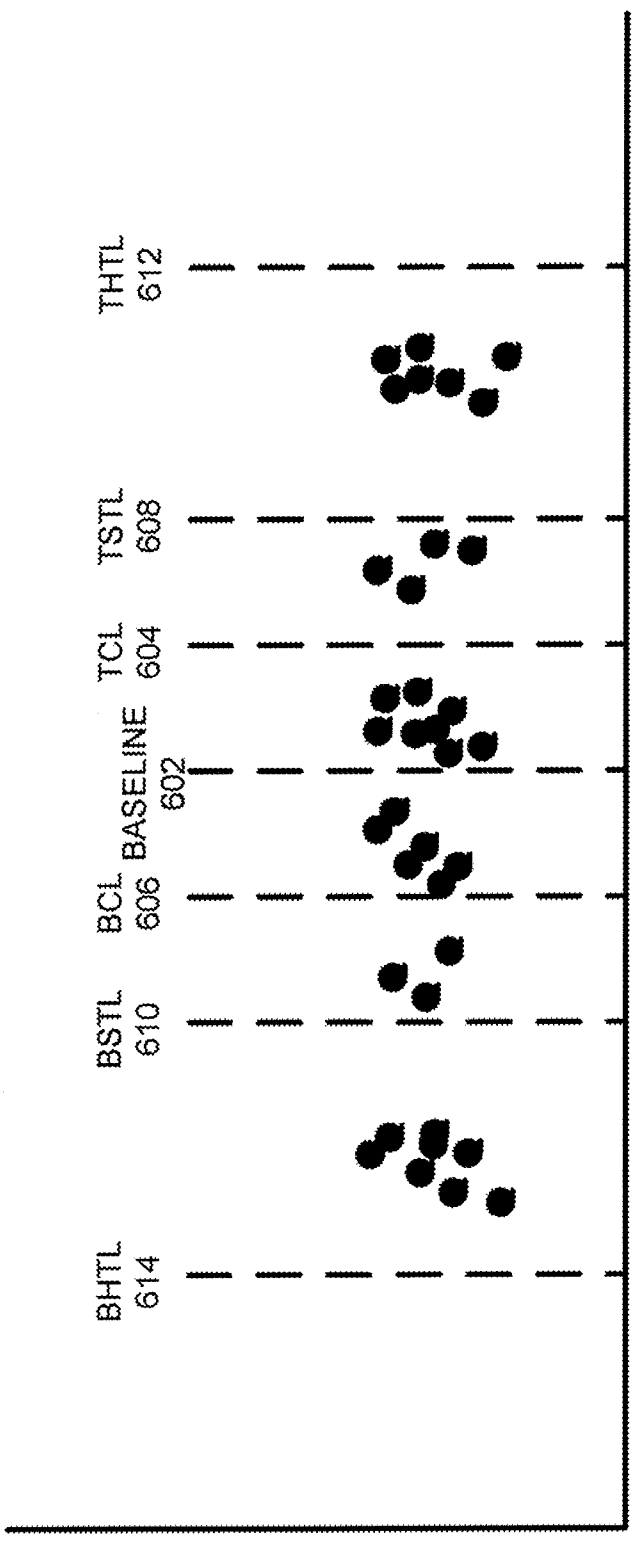

BHTL
614
BSTL
610
BCL
606
BASELINE
602
TCL
604
TSTL
608
THTL
612
VOLTS
2.55
2.70
2.94
3.00
3.09
3.30
3.45
620
630

FIGURE 6