1/3

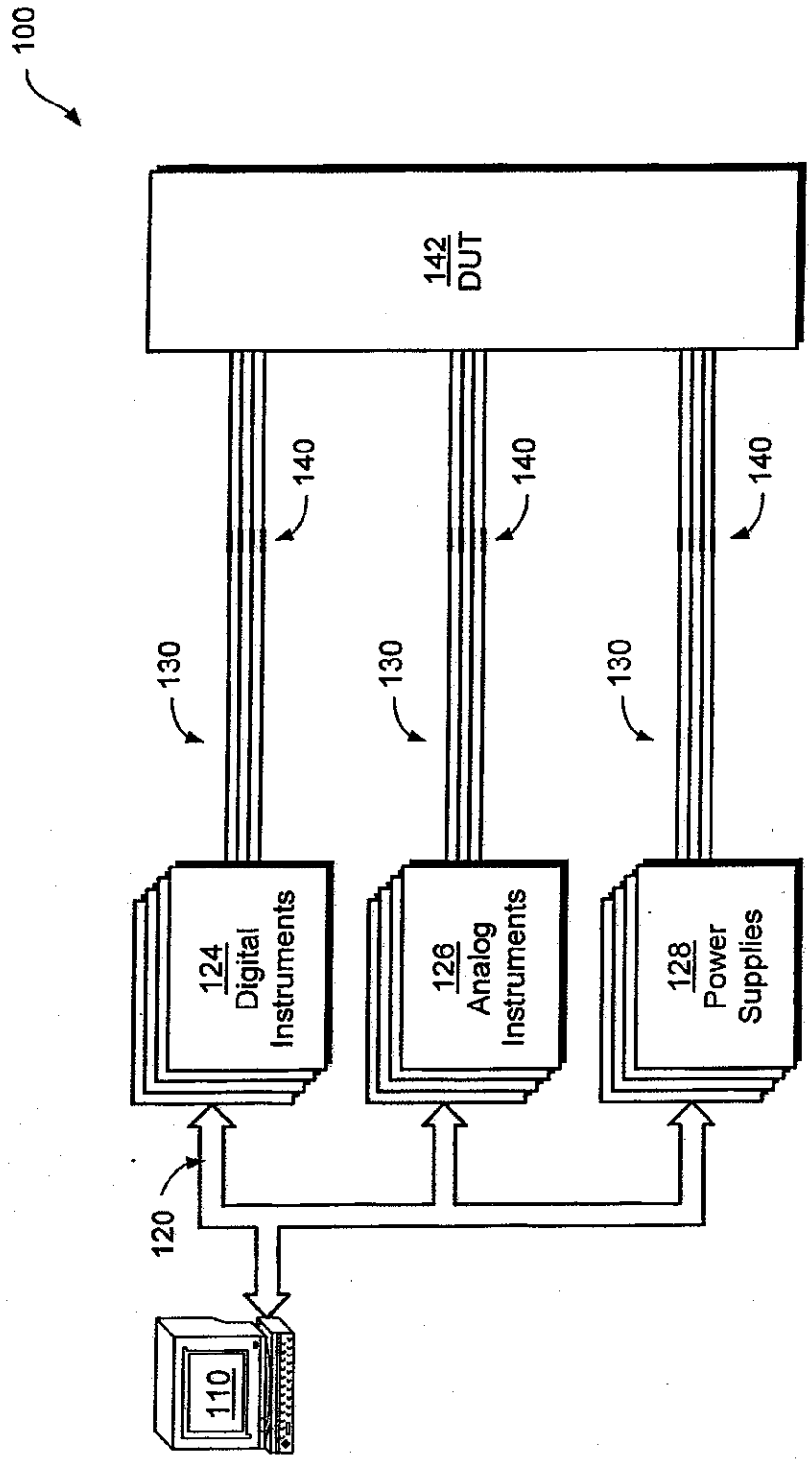

100
142
DUT
140
140
140
130
130
130
124
Digital
Instruments
126
Analog
Instruments
128
Power
Supplies
120
110

Fig. 1

2/3

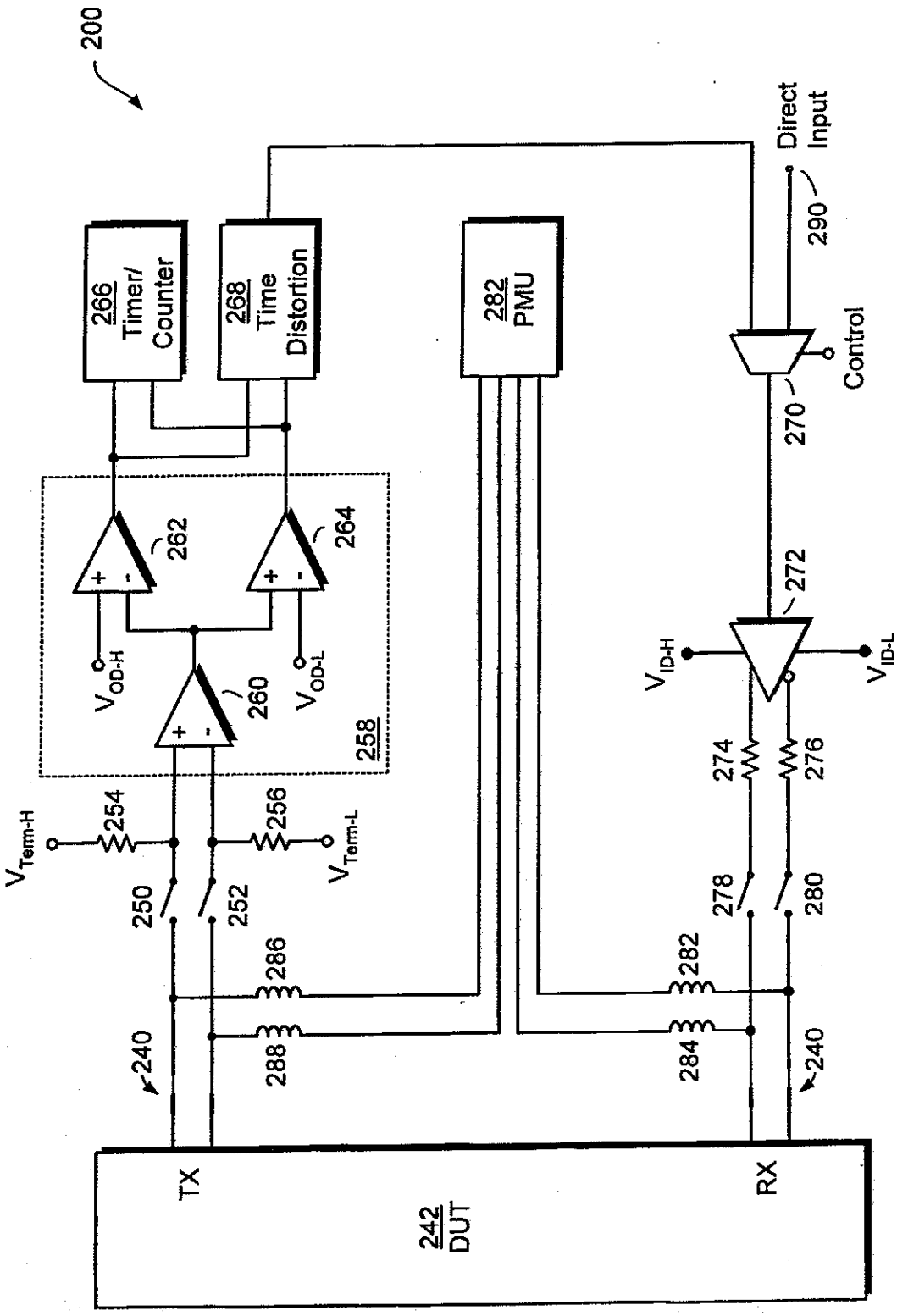

200
Direct Input
290
266 Timer/ Counter
268 Time Distortion
282 PMU
Control
270
272
262
264
260
258
V_{OD-H}
V_{OD-L}
V_{ID-H}
V_{ID-L}
V_{Term-H}
V_{Term-L}
254
256
250
252
274
276
278
280
282
284
286
288
240
TX
RX
242 DUT

Fig. 2

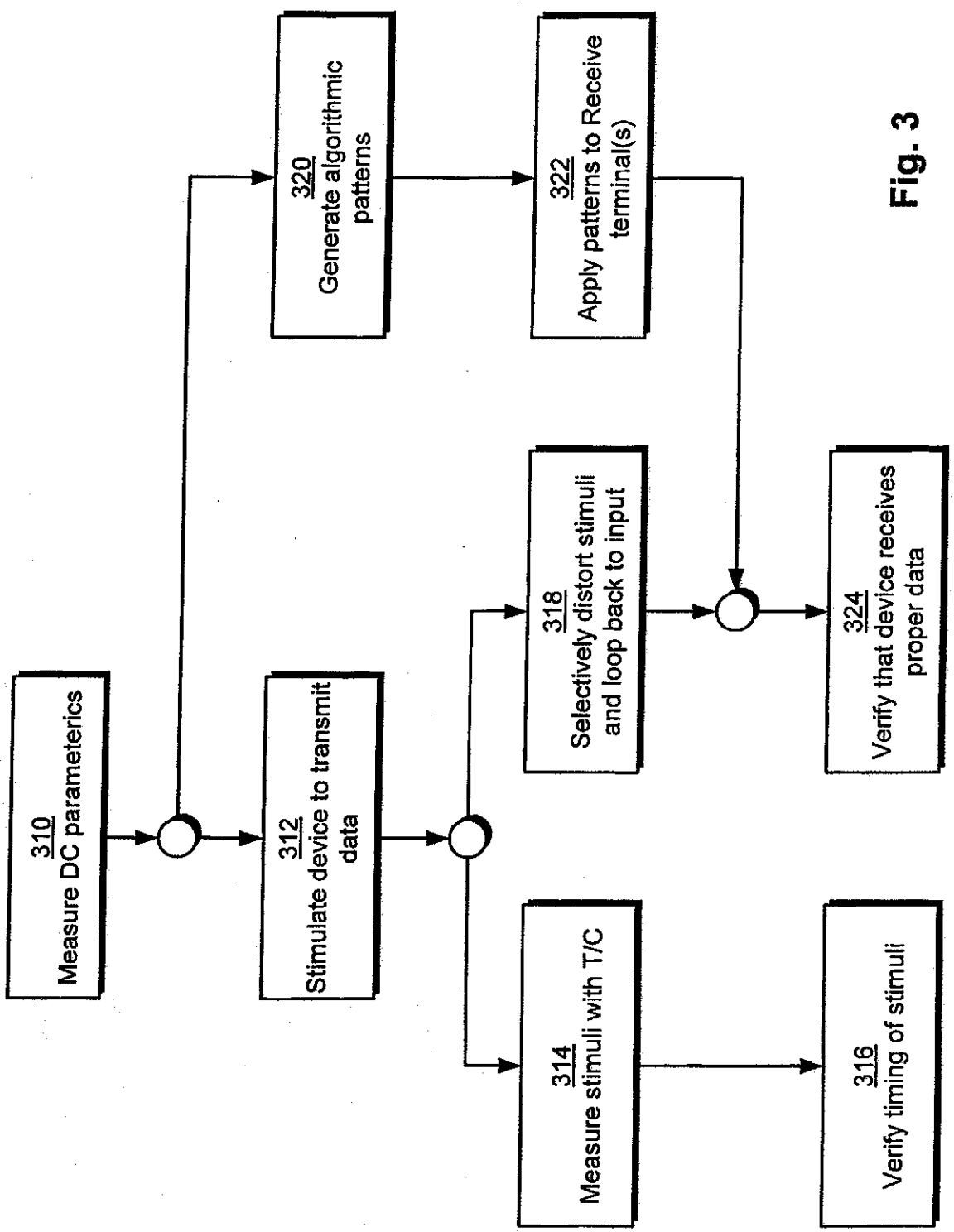

310
Measure DC parameterics
312
Stimulate device to transmit data
314
Measure stimuli with T/C
316
Verify timing of stimuli
318
Selectively distort stimuli and loop back to input
320
Generate algorithmic patterns
322
Apply patterns to Receive terminal(s)
324
Verify that device receives proper data

Fig. 3