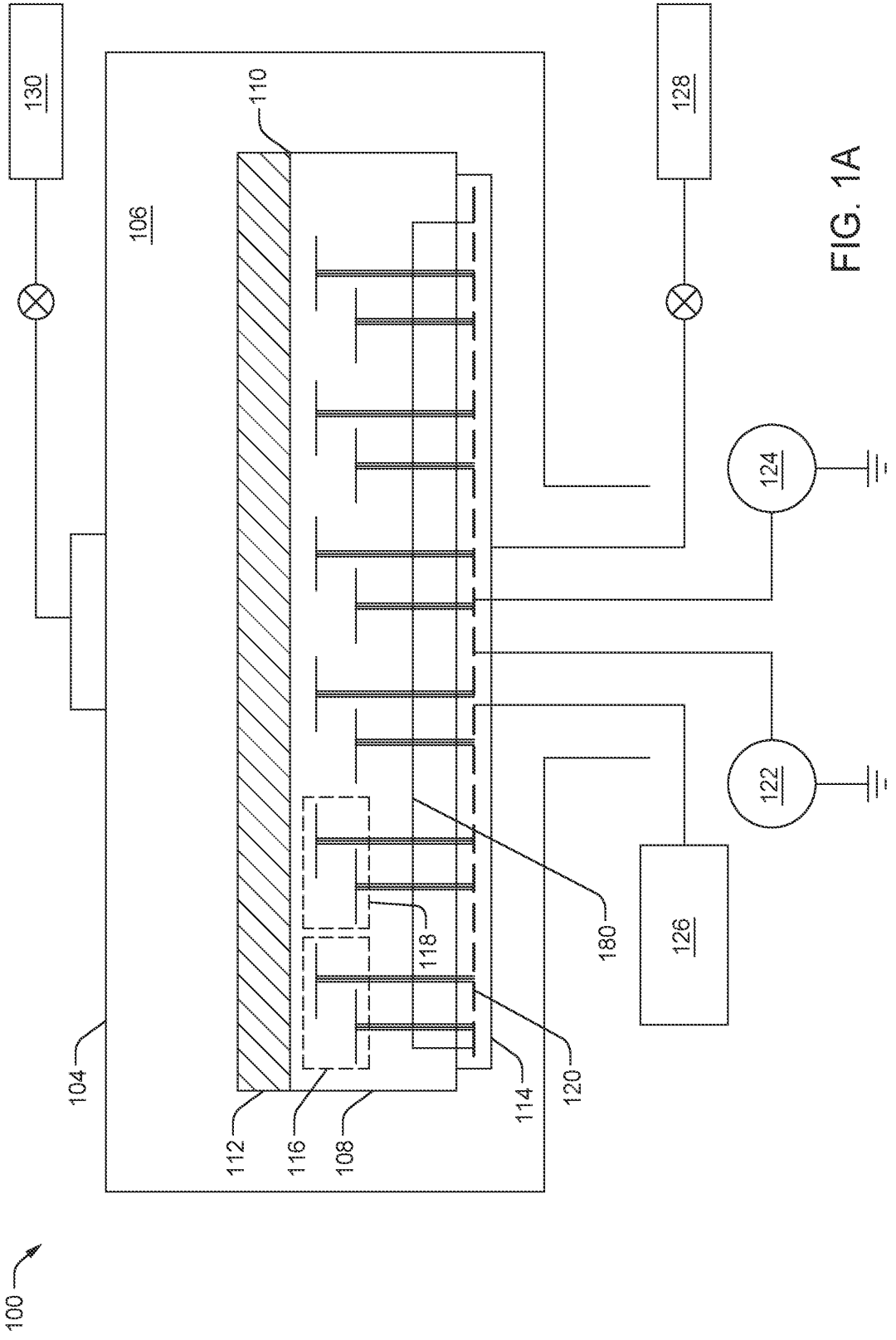


FIG. 1A

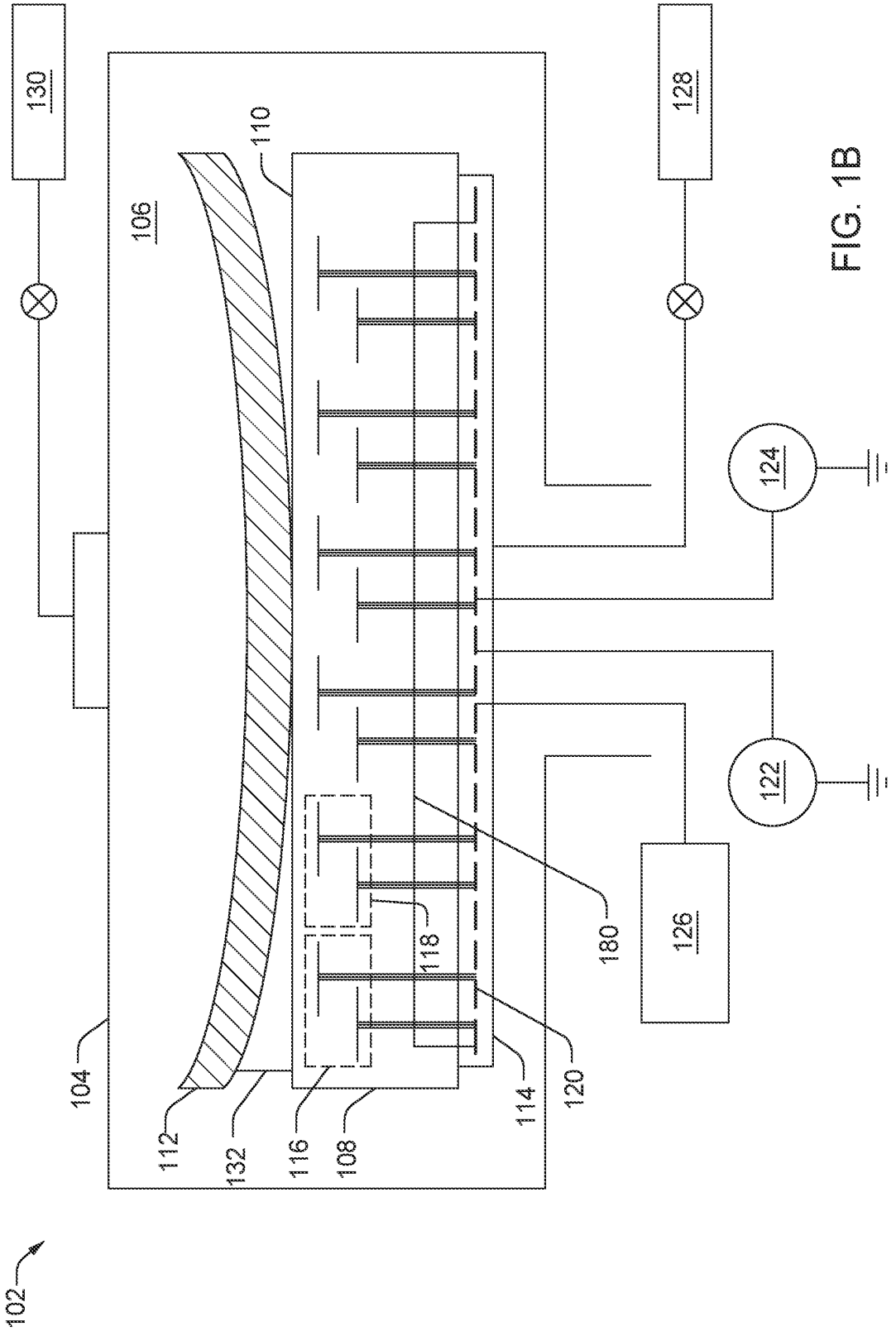

130
128
110
106
124
122
126
180
118
104
112
132
116
108
114
120
102

FIG. 1B

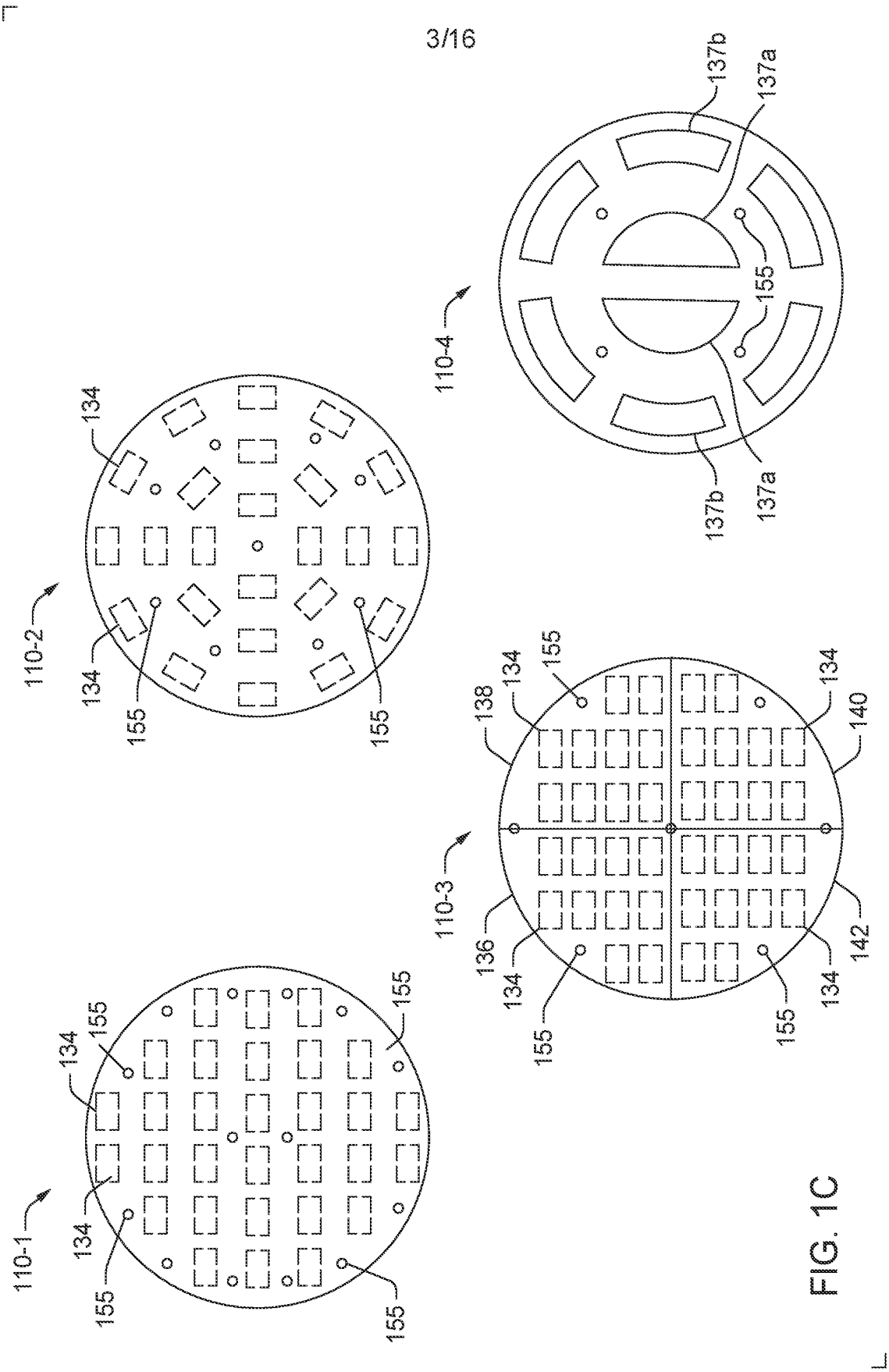

110-1
134
155
155
155
155
134
155
110-2
134
134
155
155
110-3
138
134
155
134
140
136
134
155
155
134
142
110-4
137b
137a
155
137b
137a

FIG. 1C

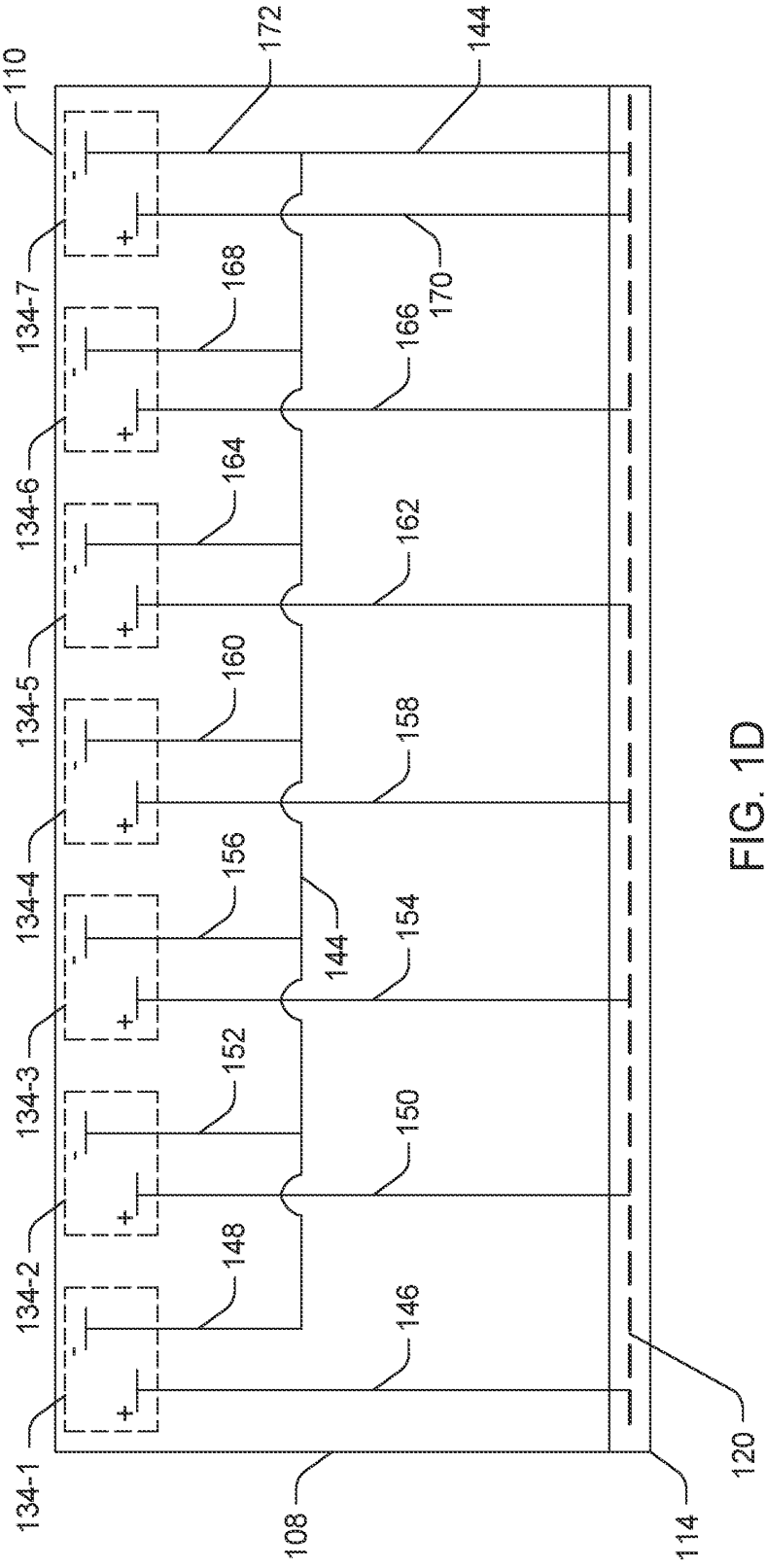

110
172
144
134-7
168
170
166
134-6
164
162
134-5
160
158
134-4
156
144
154
134-3
152
150
134-2
148
146
134-1
108
114
120

FIG. 1D

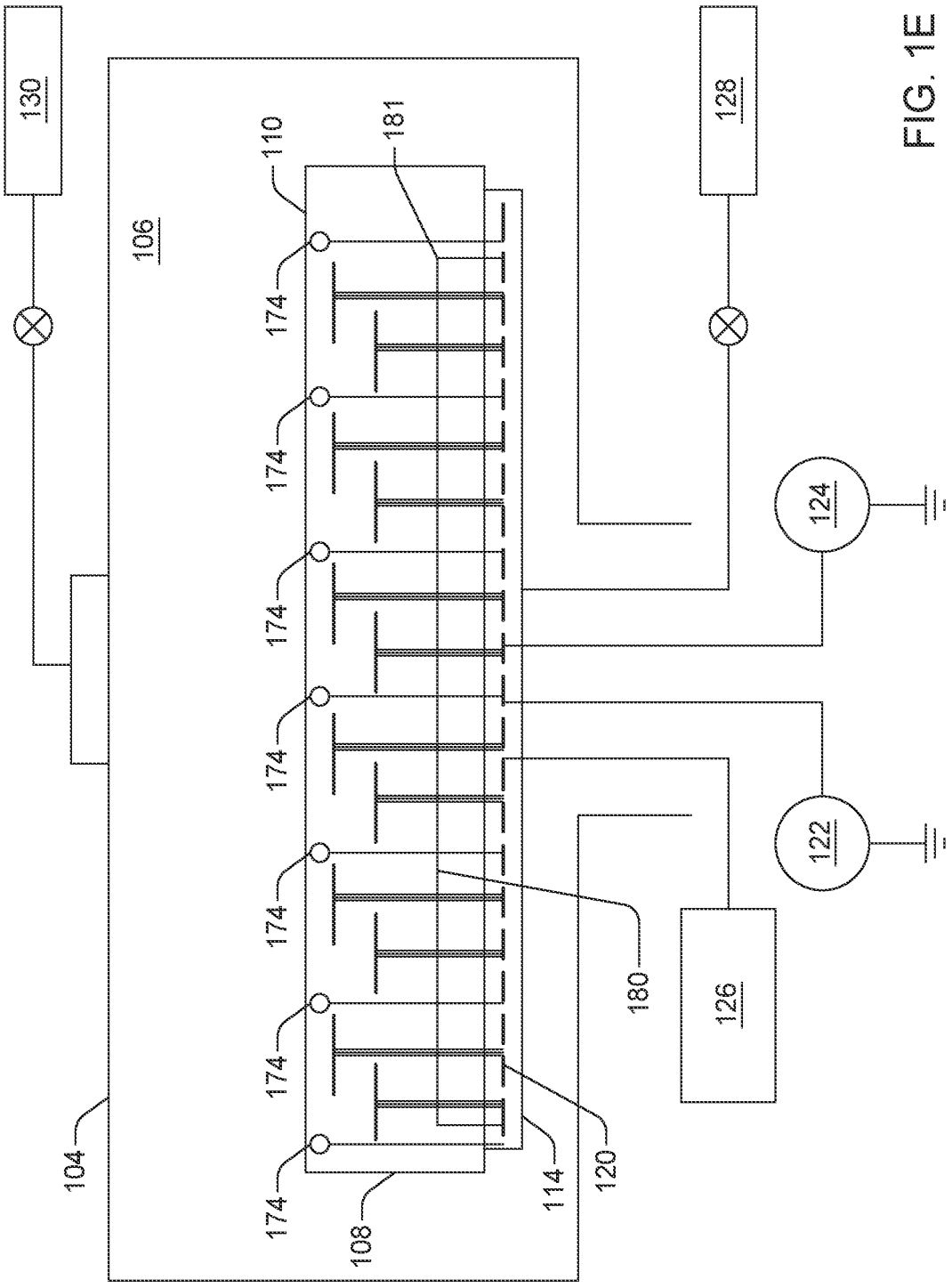

130
128
106
110
181
174
174
174
174
174
174
124
122
180
126
104
114
120
108

FIG. 1E

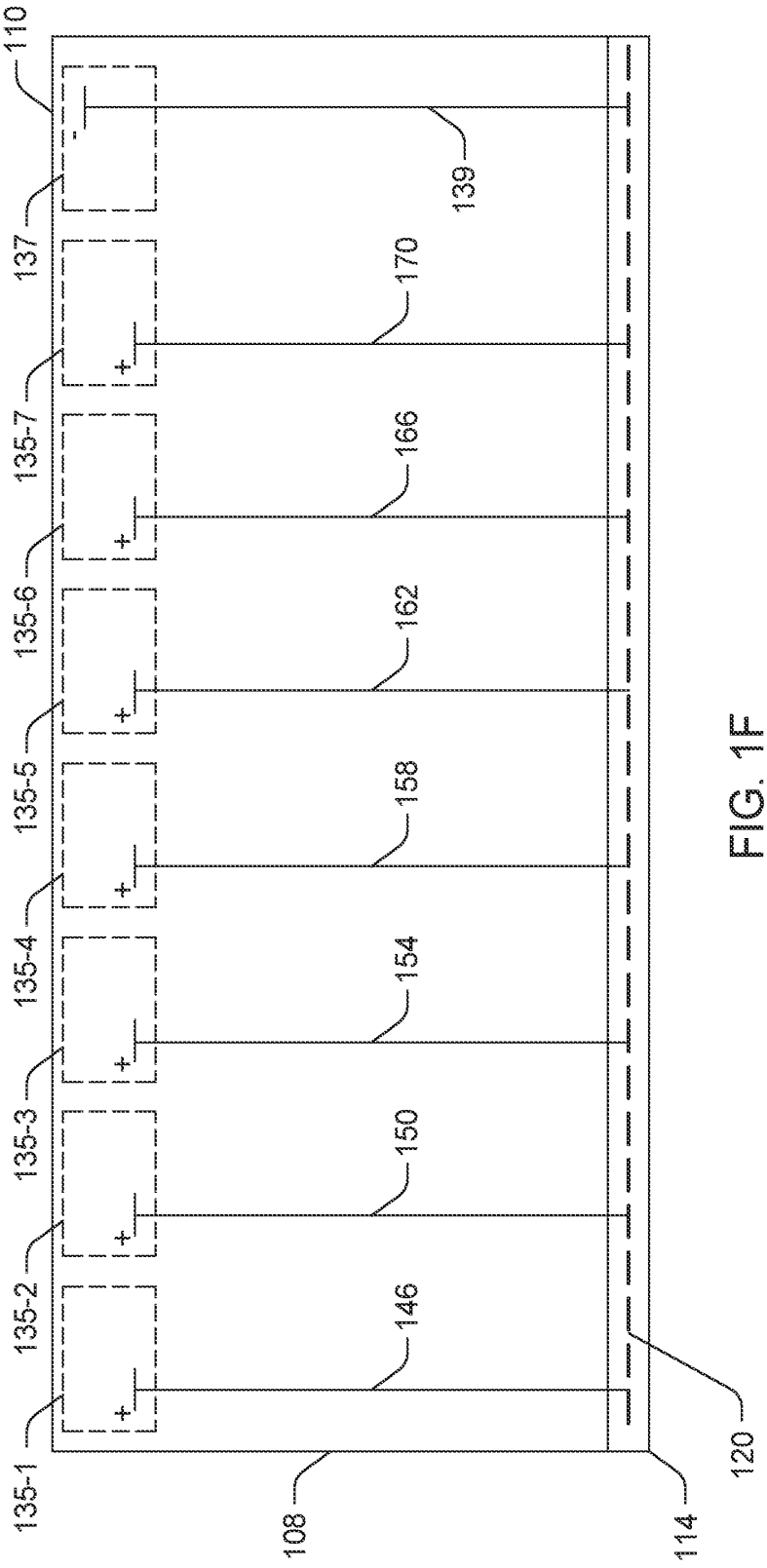

110
139
137
170
135-7
166
135-6
162
135-5
158
135-4
154
135-3
150
135-2
146
135-1
108
114
120

FIG. 1F

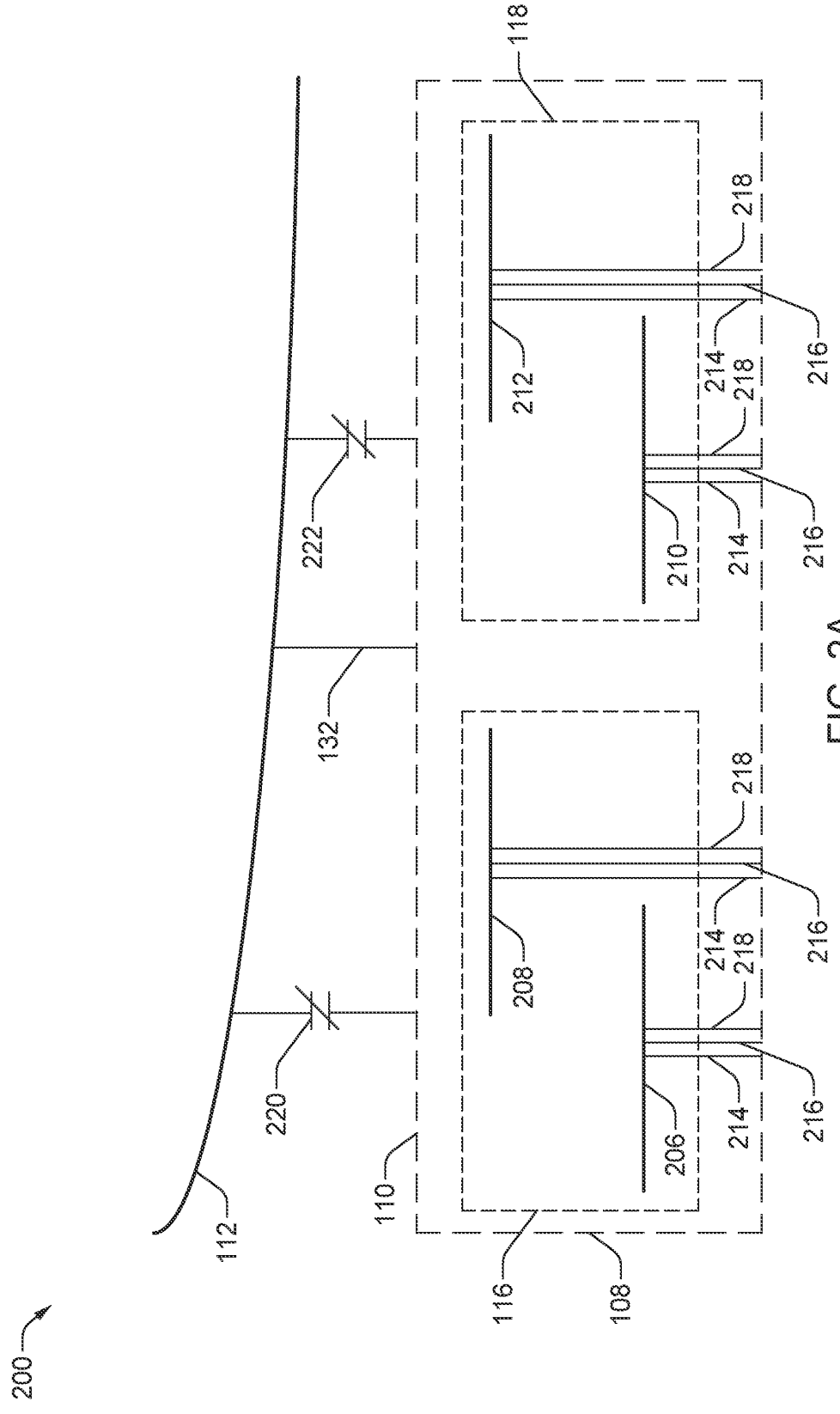


FIG. 2A

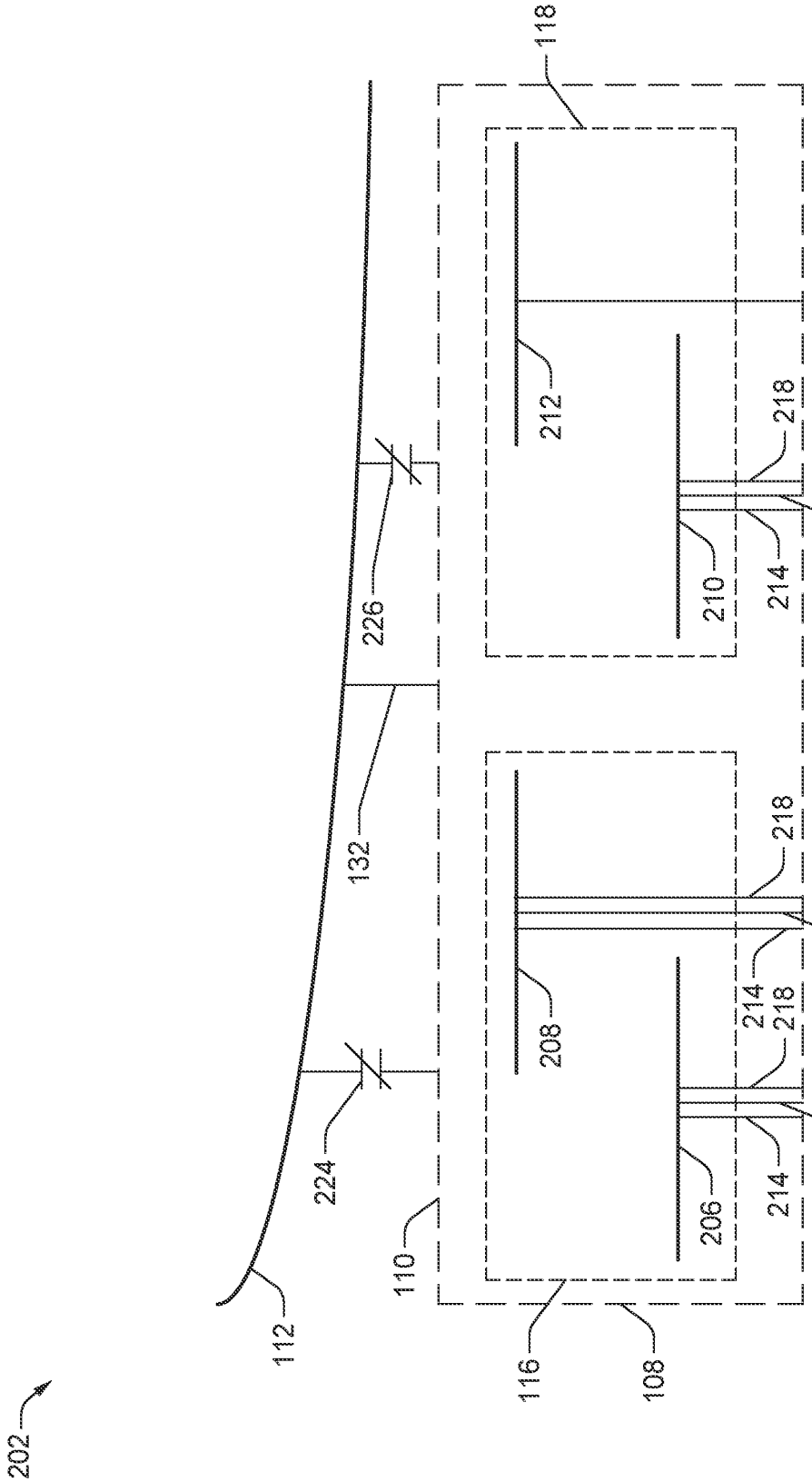


FIG. 2B

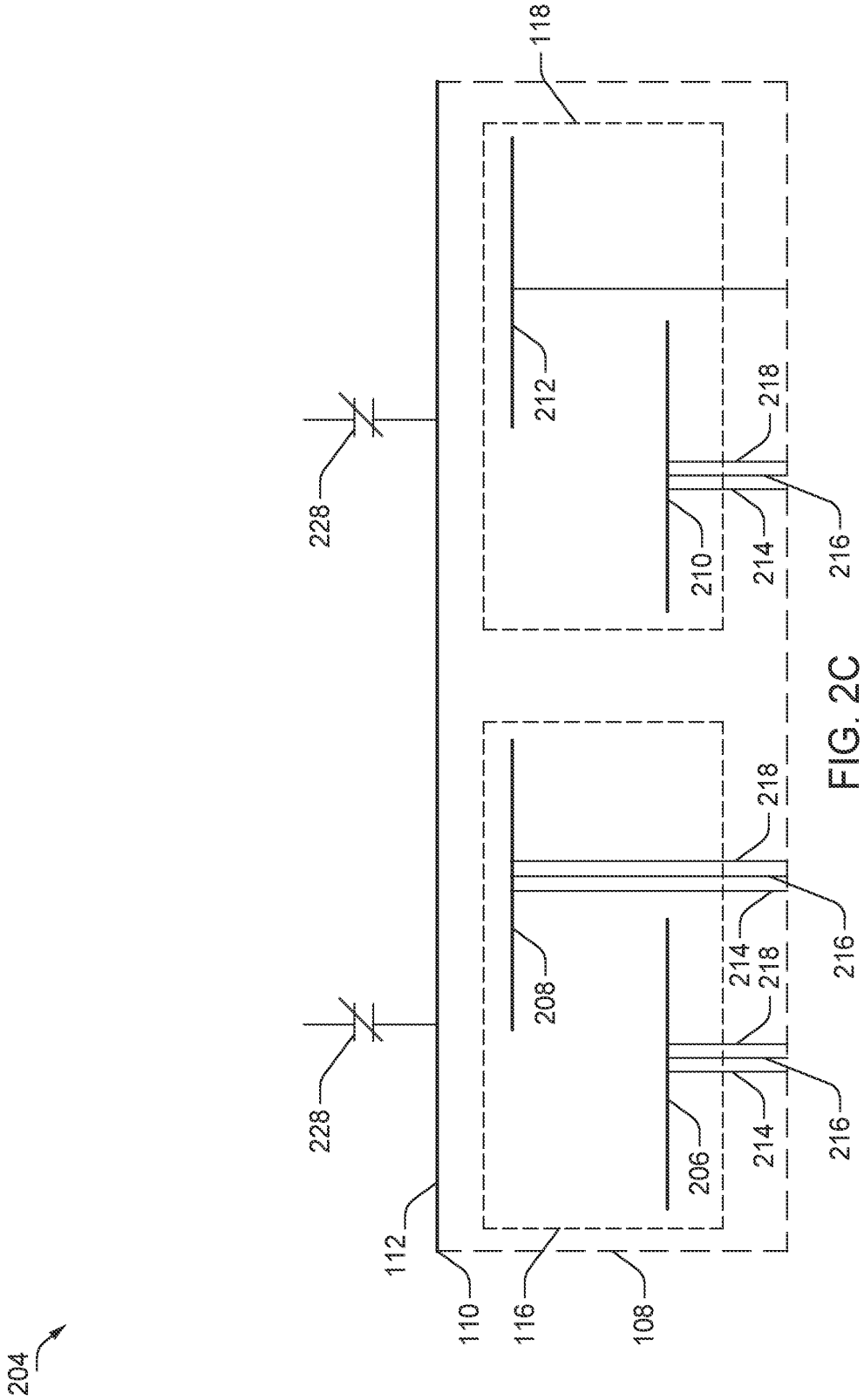

204
118
228
212
218
210
214
216
228
208
218
214
216
206
214
216
112
110
116
108

FIG. 2C

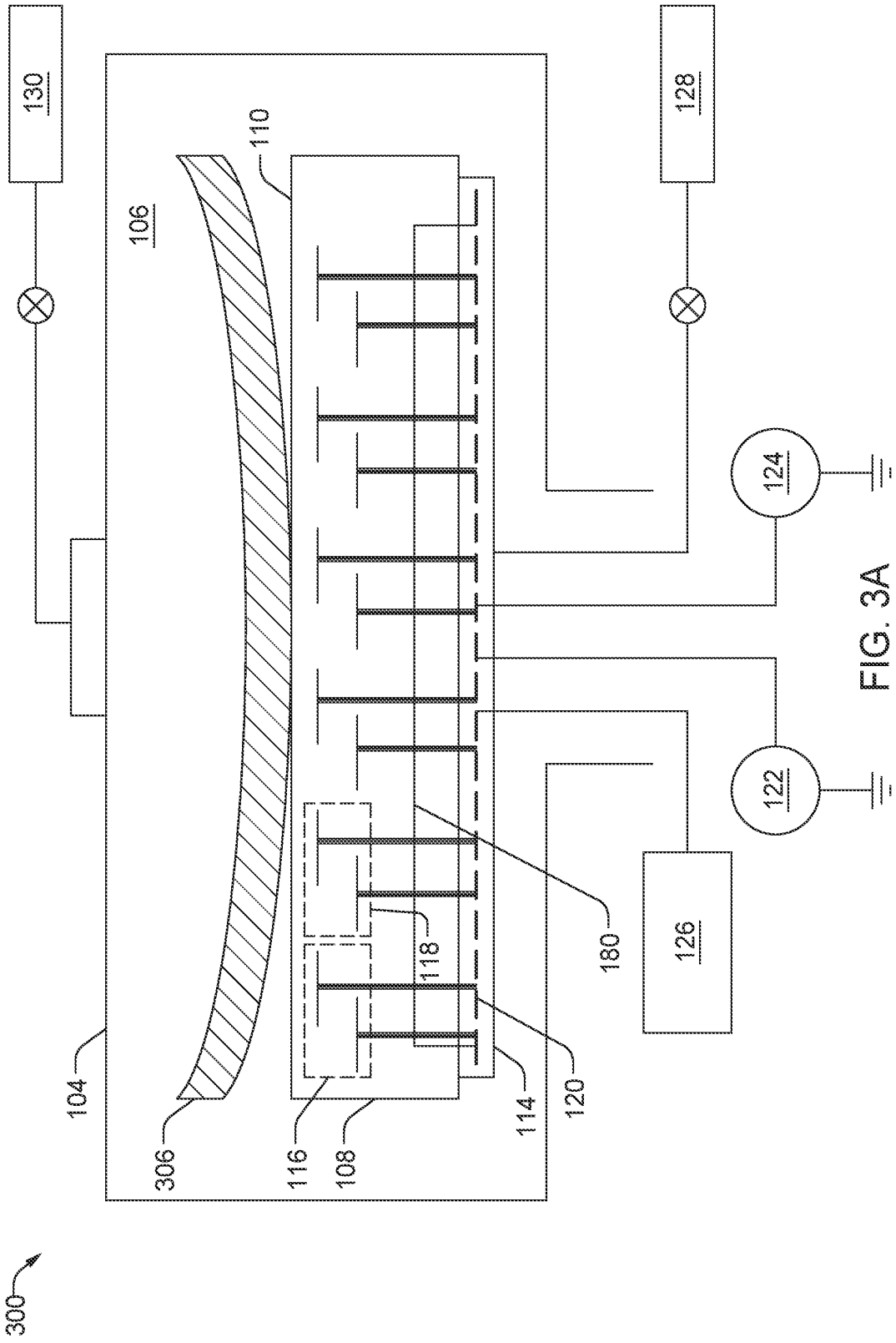


FIG. 3A

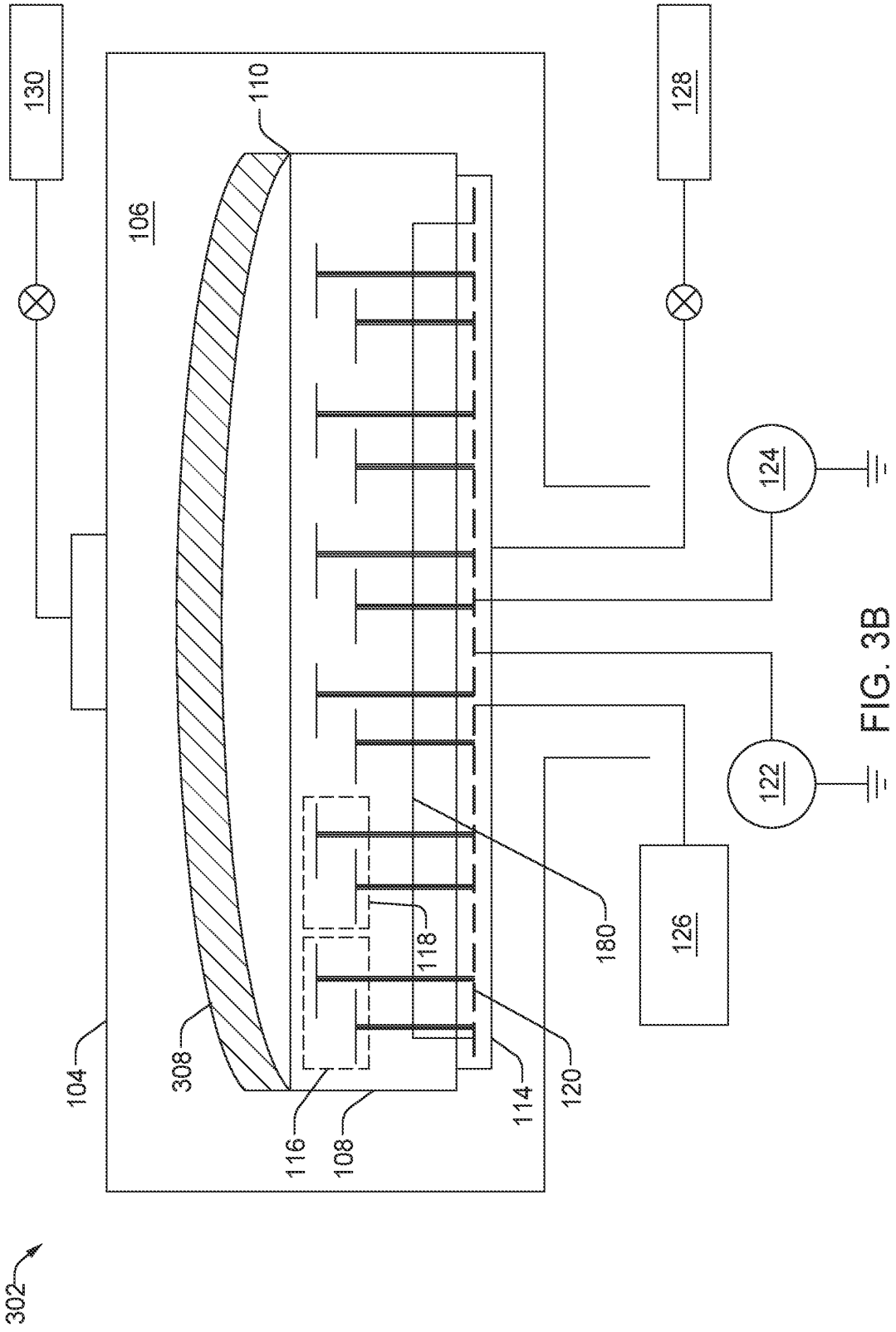


FIG. 3B

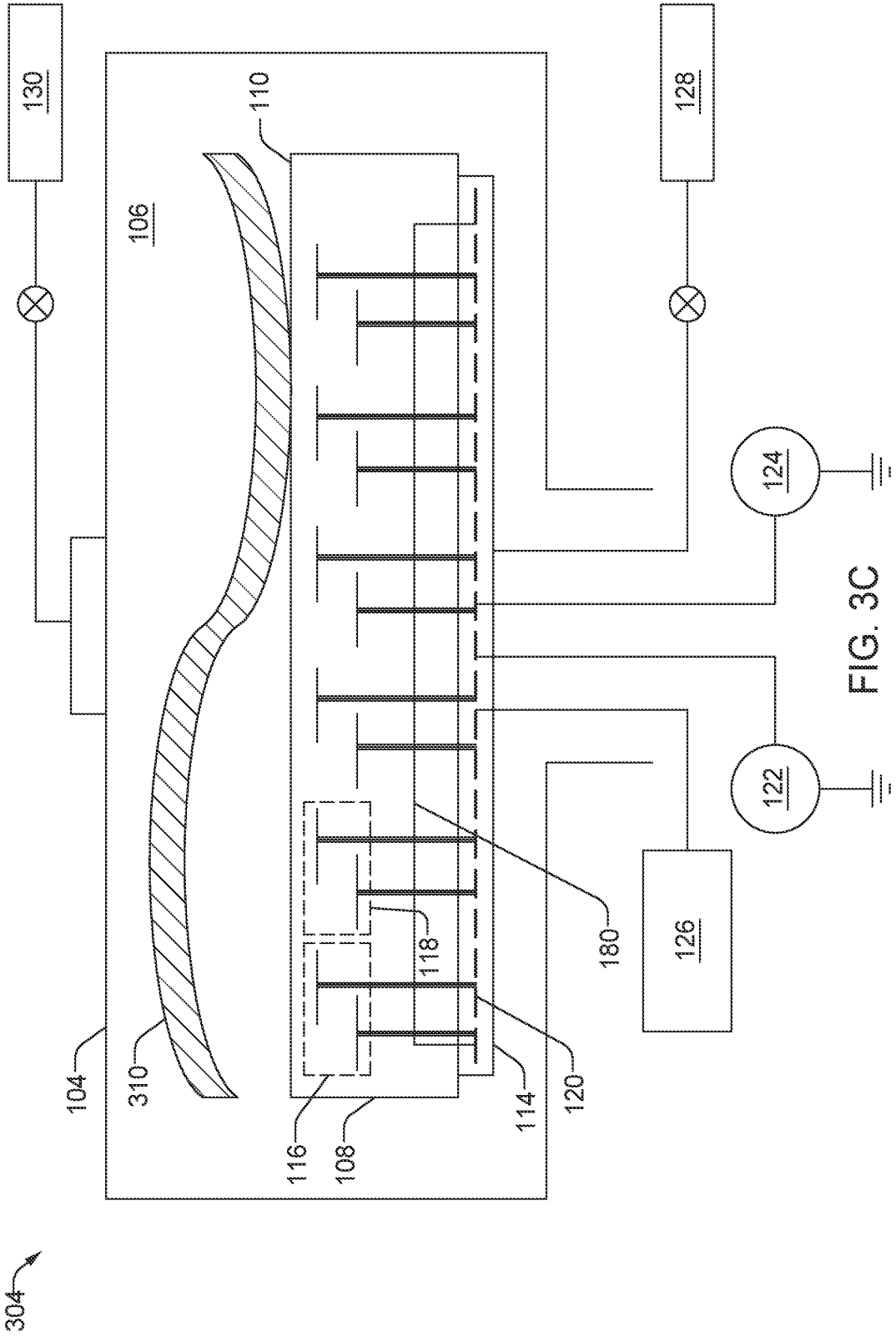


FIG. 3C

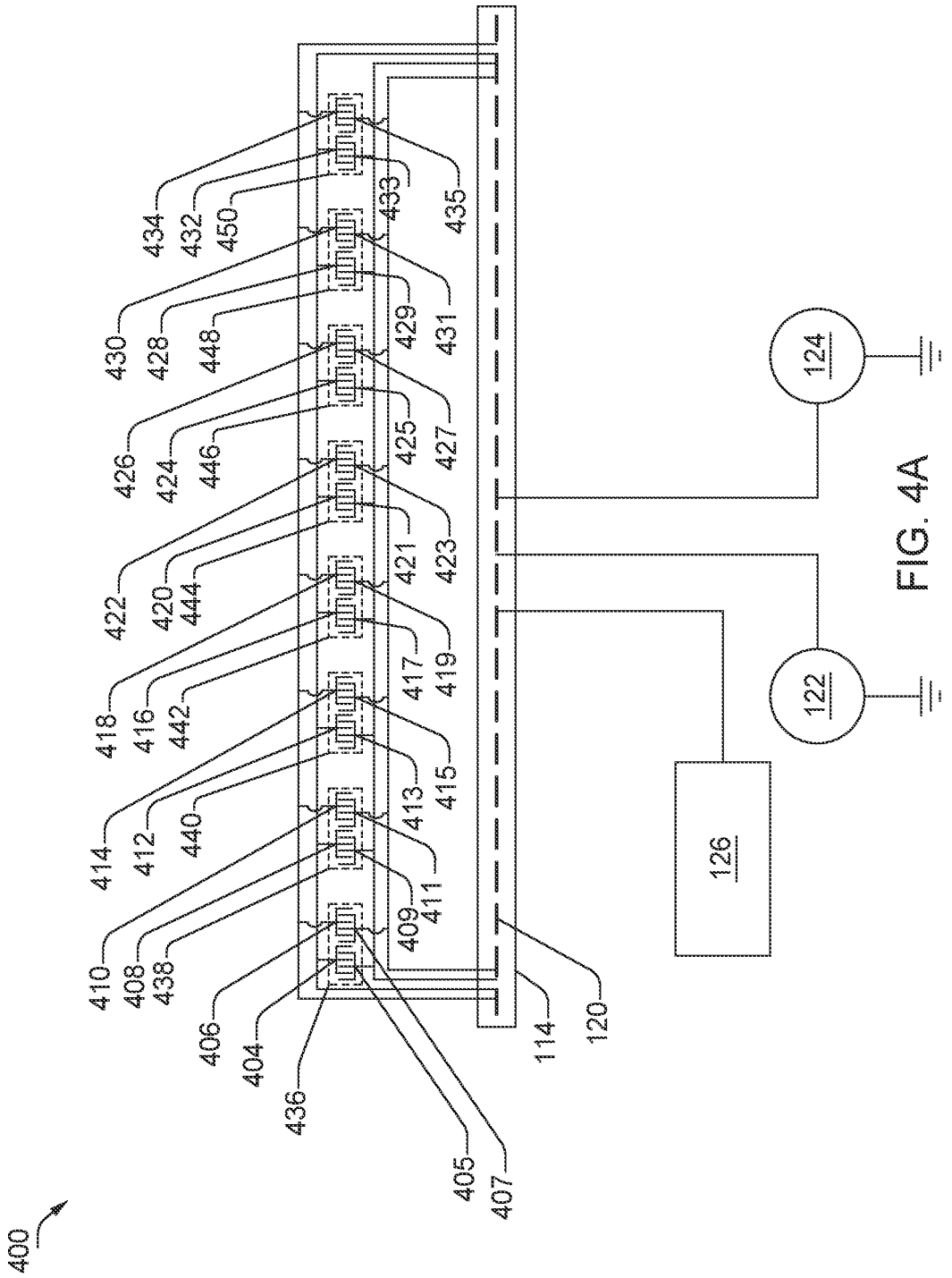

400
405
407
436
404
406
438
408
410
440
412
414
442
416
418
444
420
422
446
424
426
448
428
430
450
432
434
435
433
431
429
427
425
423
421
419
417
415
413
411
409
120
114
126
122
124

FIG. 4A

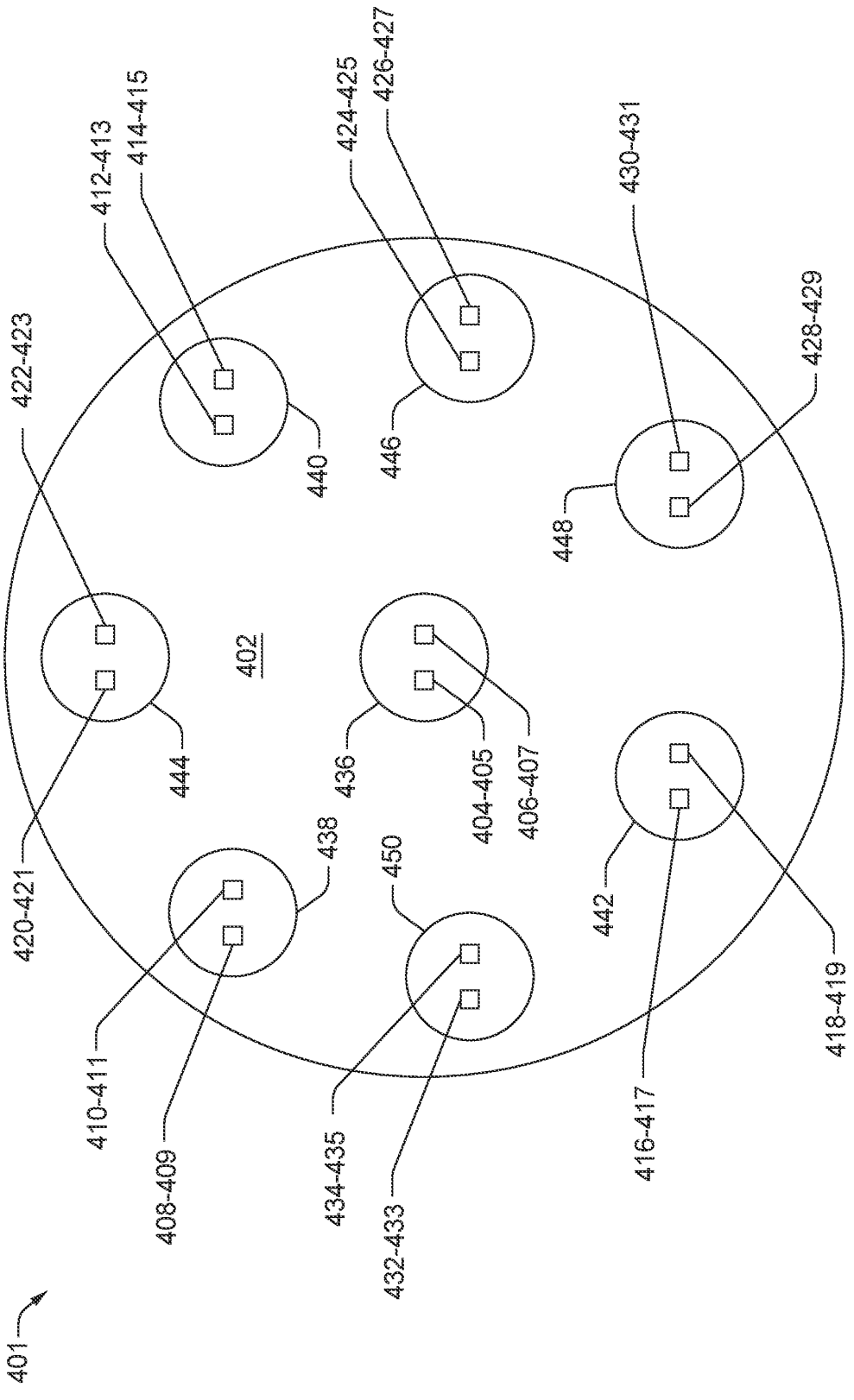

401
402
410-411
408-409
420-421
422-423
412-413
414-415
440
444
424-425
426-427
446
436
404-405
406-407
438
450
434-435
432-433
430-431
428-429
448
442
416-417
418-419

FIG. 4B

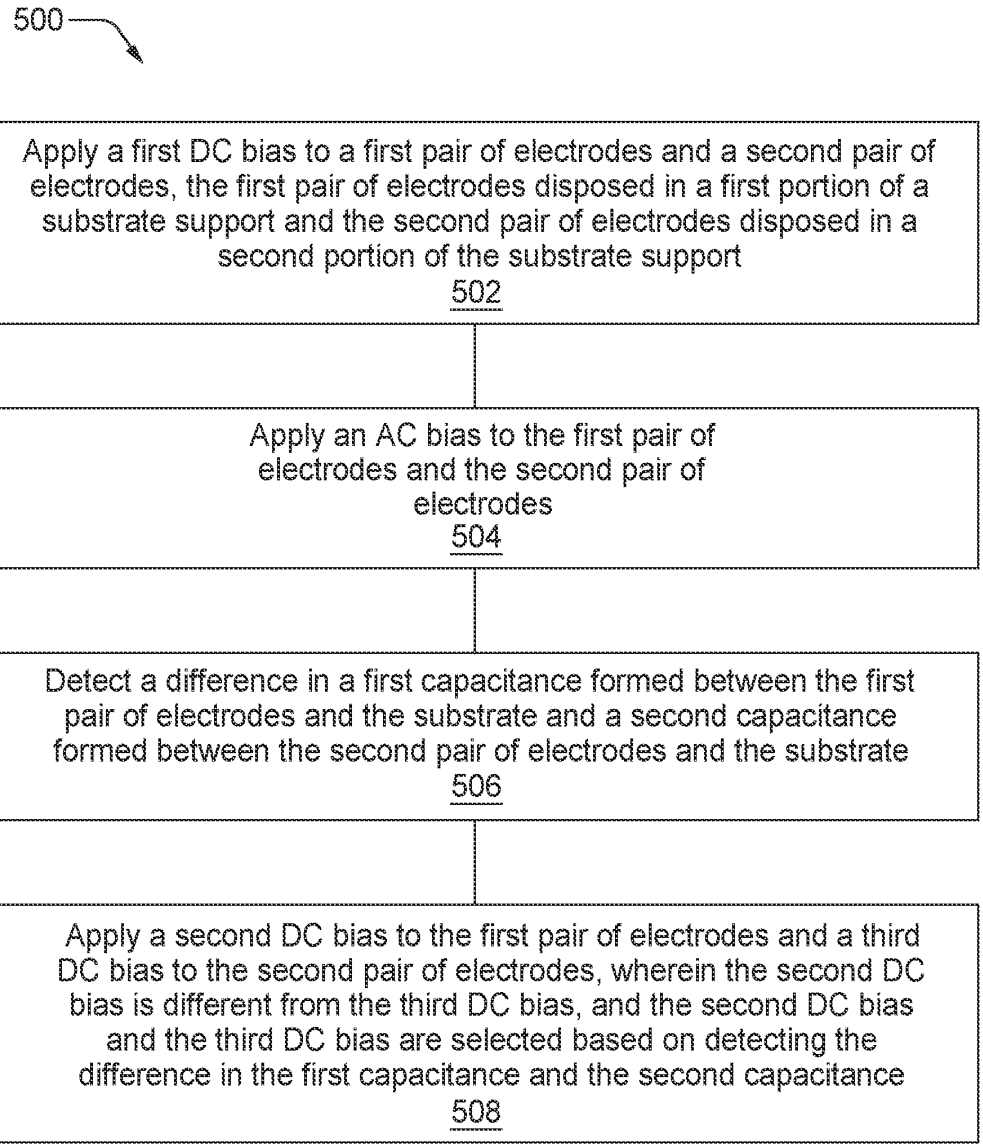

500
Apply a first DC bias to a first pair of electrodes and a second pair of electrodes, the first pair of electrodes disposed in a first portion of a substrate support and the second pair of electrodes disposed in a second portion of the substrate support
502
Apply an AC bias to the first pair of electrodes and the second pair of electrodes
504
Detect a difference in a first capacitance formed between the first pair of electrodes and the substrate and a second capacitance formed between the second pair of electrodes and the substrate
506
Apply a second DC bias to the first pair of electrodes and a third DC bias to the second pair of electrodes, wherein the second DC bias is different from the third DC bias, and the second DC bias and the third DC bias are selected based on detecting the difference in the first capacitance and the second capacitance
508

FIG. 5

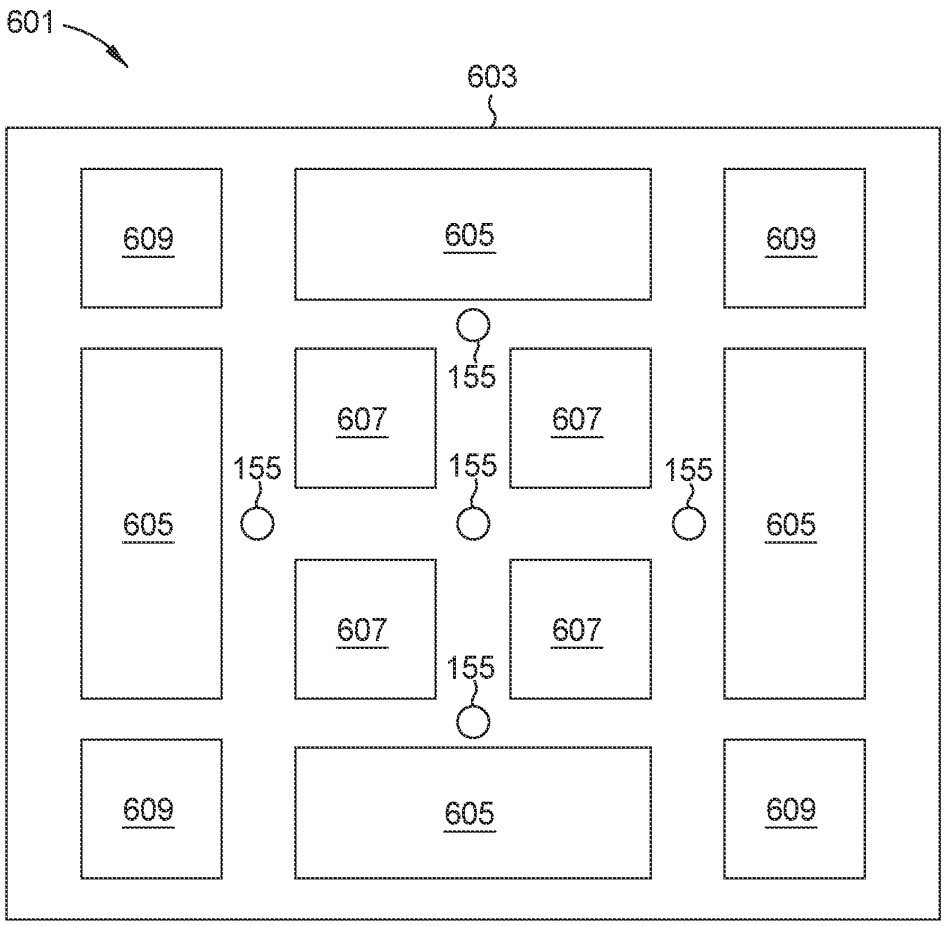

601
603
609
605
609
155
607
607
605
155
155
155
605
607
607
155
609
605
609

FIG. 6