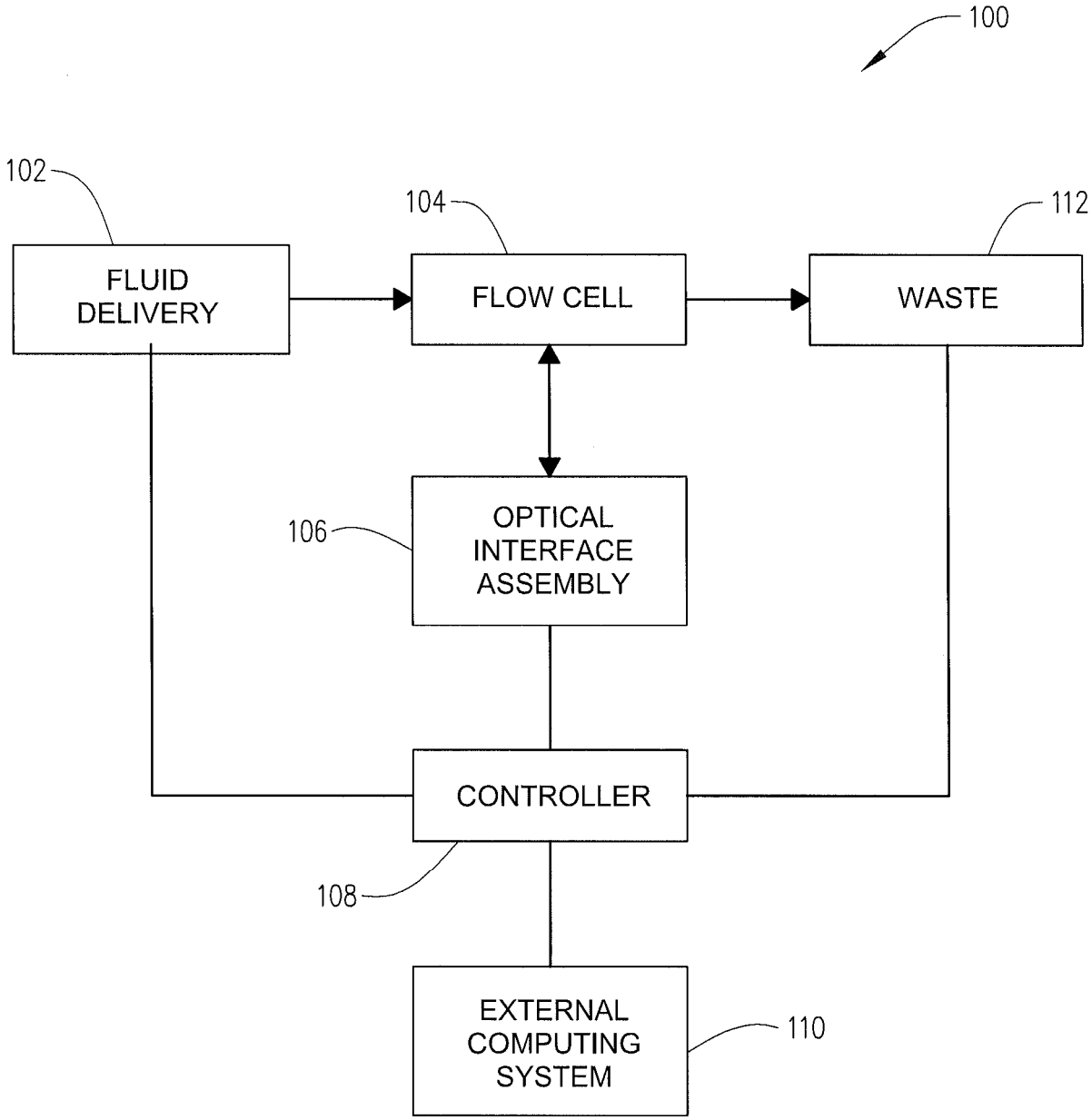

100
102
FLUID DELIVERY
104
FLOW CELL
112
WASTE
106
OPTICAL INTERFACE ASSEMBLY
CONTROLLER
108
EXTERNAL COMPUTING SYSTEM
110

Fig. 1

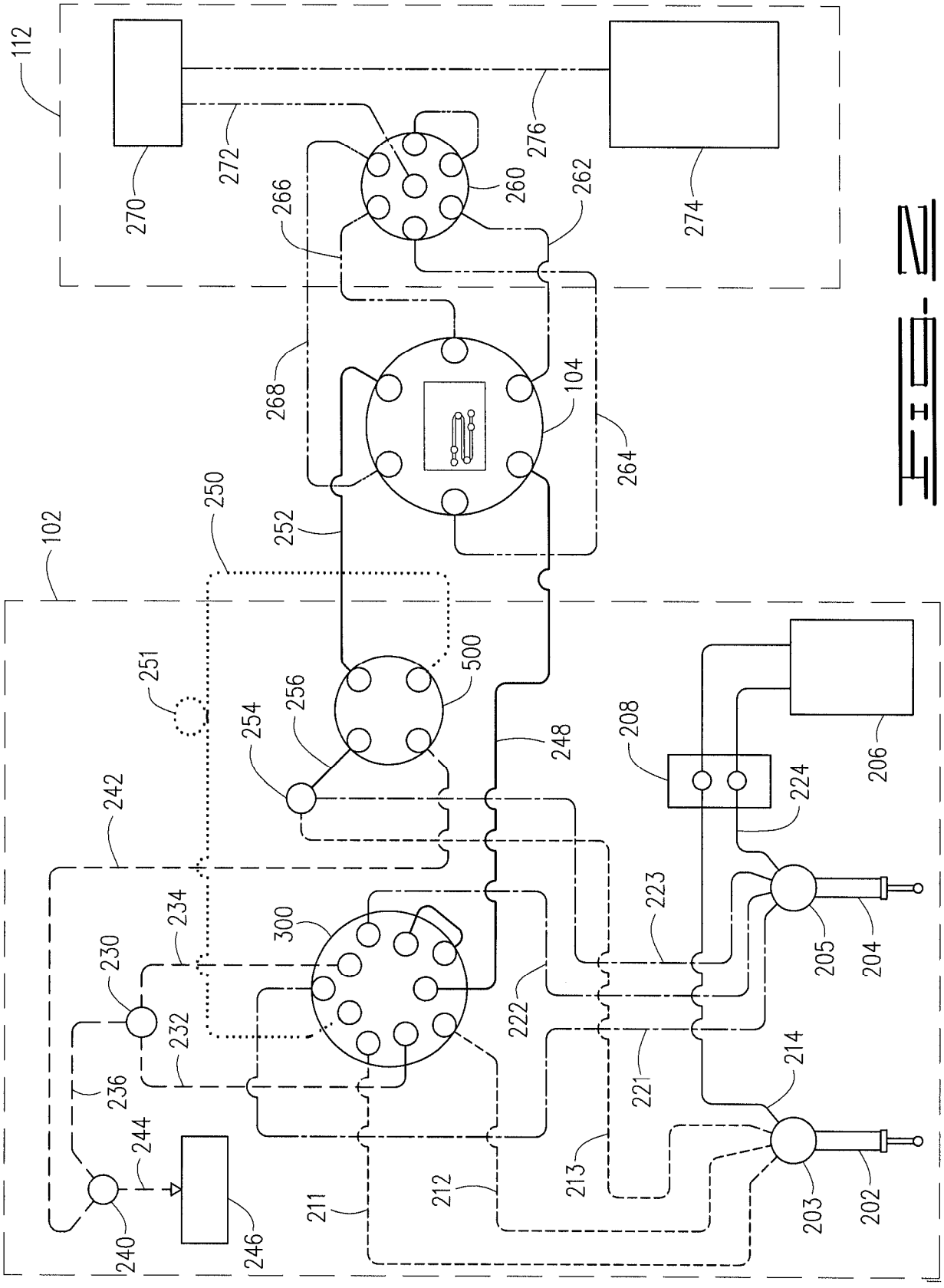

112
270
272
276
274
266
260
262
268
104
264
250
252
102
251
500
254
256
248
208
206
224
242
223
234
300
230
232
222
205
204
236
221
214
244
213
240
246
211
212
203
202

FIG. 2

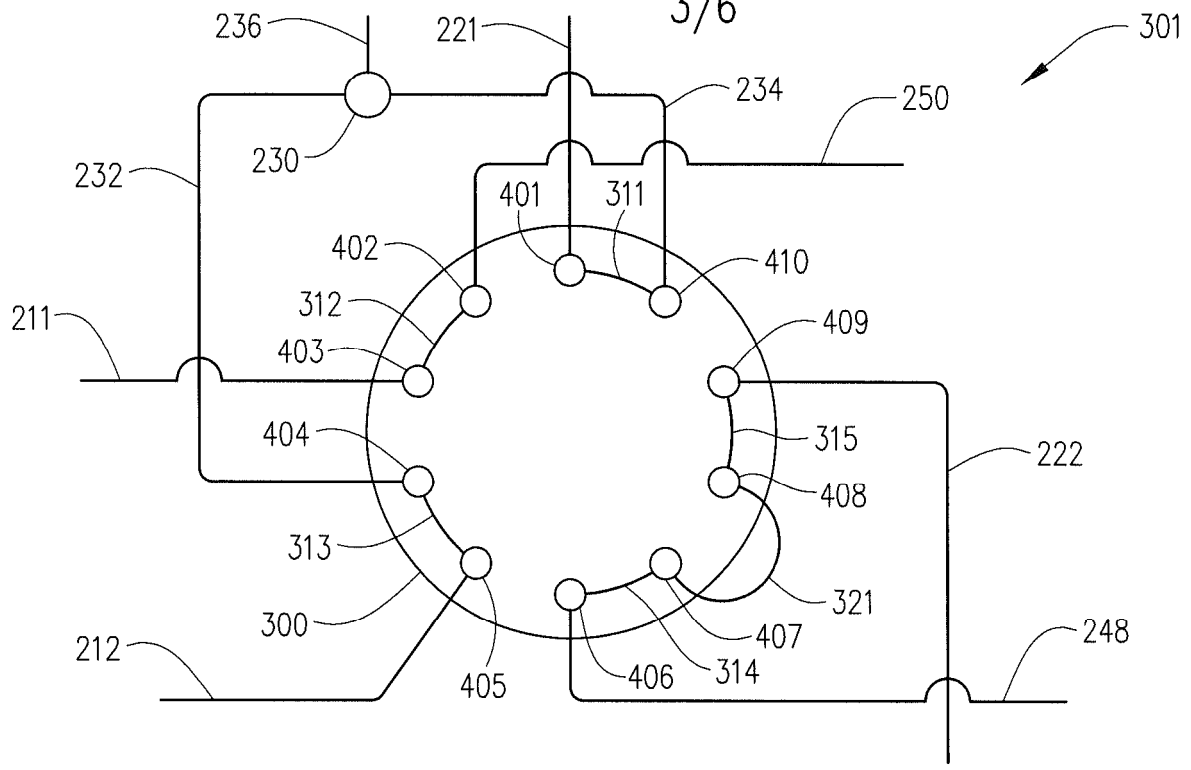

301
236
221
234
250
230
232
401
311
402
410
312
211
409
403
404
315
222
408
313
321
300
407
212
314
406
405
248

FIG. 3

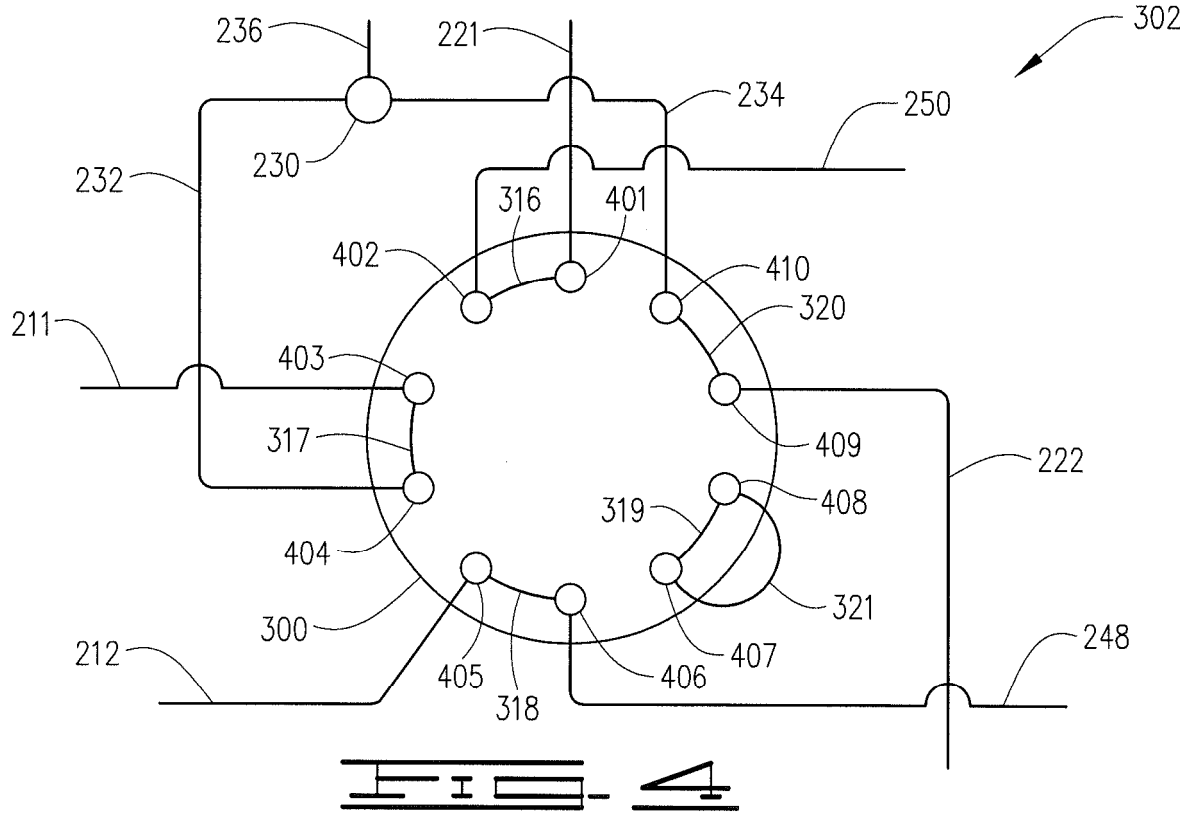

302
236
221
234
250
230
232
316
401
402
410
211
320
403
409
317
222
319
408
404
321
300
407
212
406
405
318
248

FIG. 4

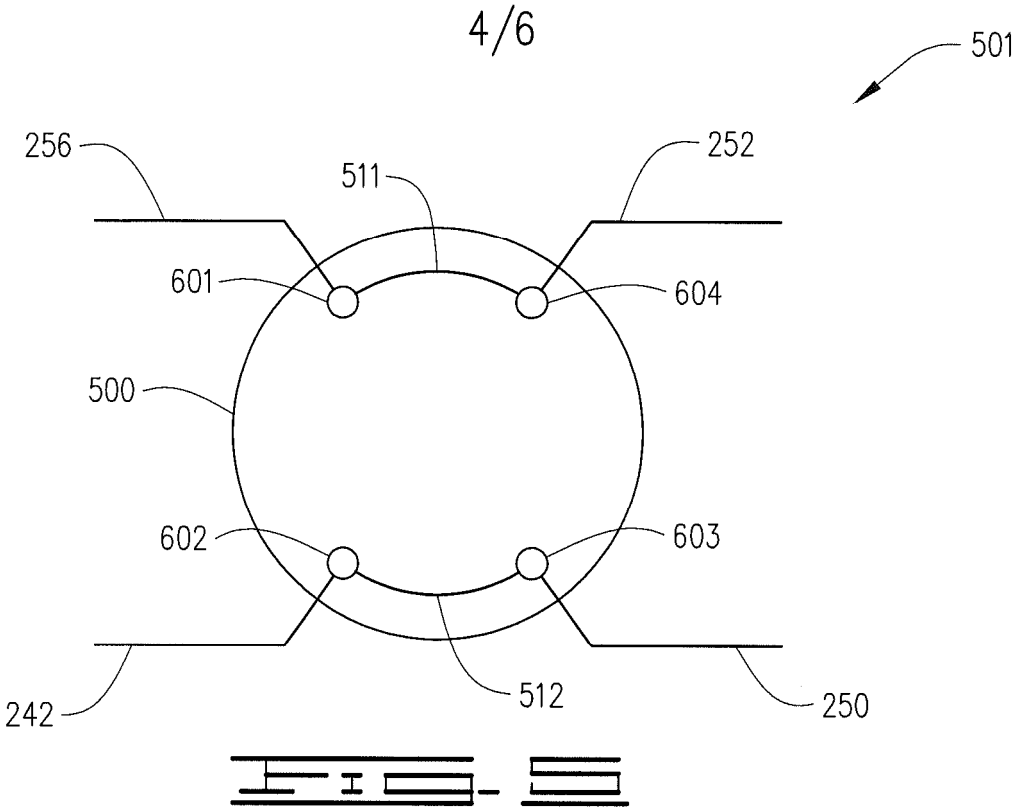

501
256
252
511
601
604
500
602
603
512
242
250

FIG. 5

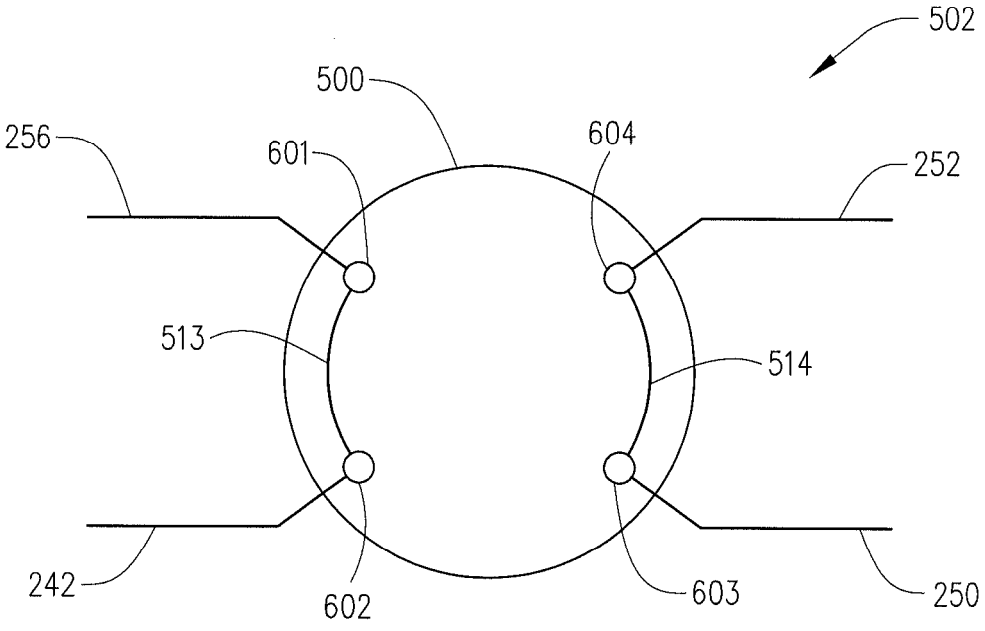

502
500
256
601
604
252
513
514
242
602
603
250

FIG. 6

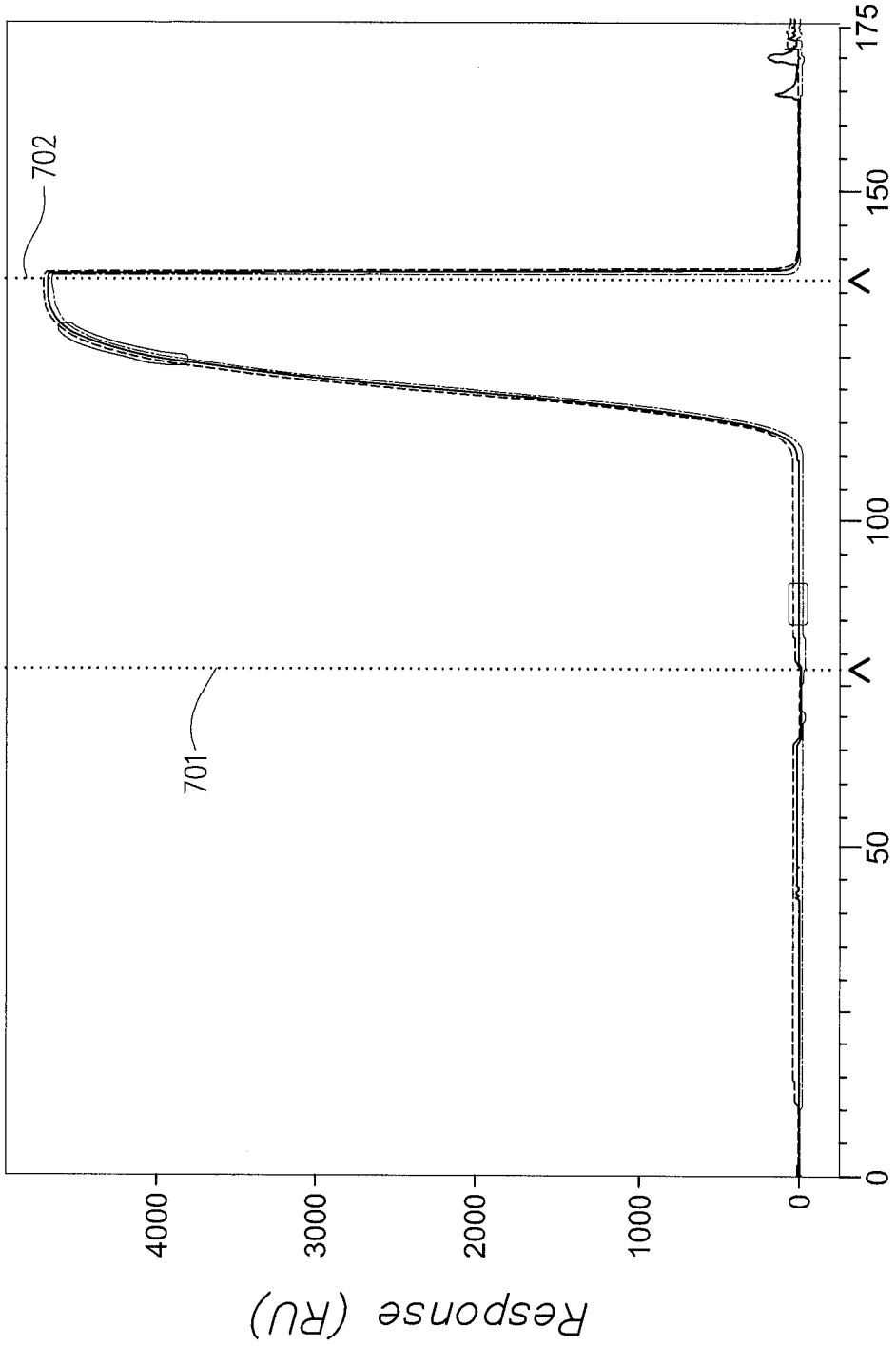

Response (RU)
4000
3000
2000
1000
0
0
50
100
150
175
Times (s)
701
702

Fig. 7

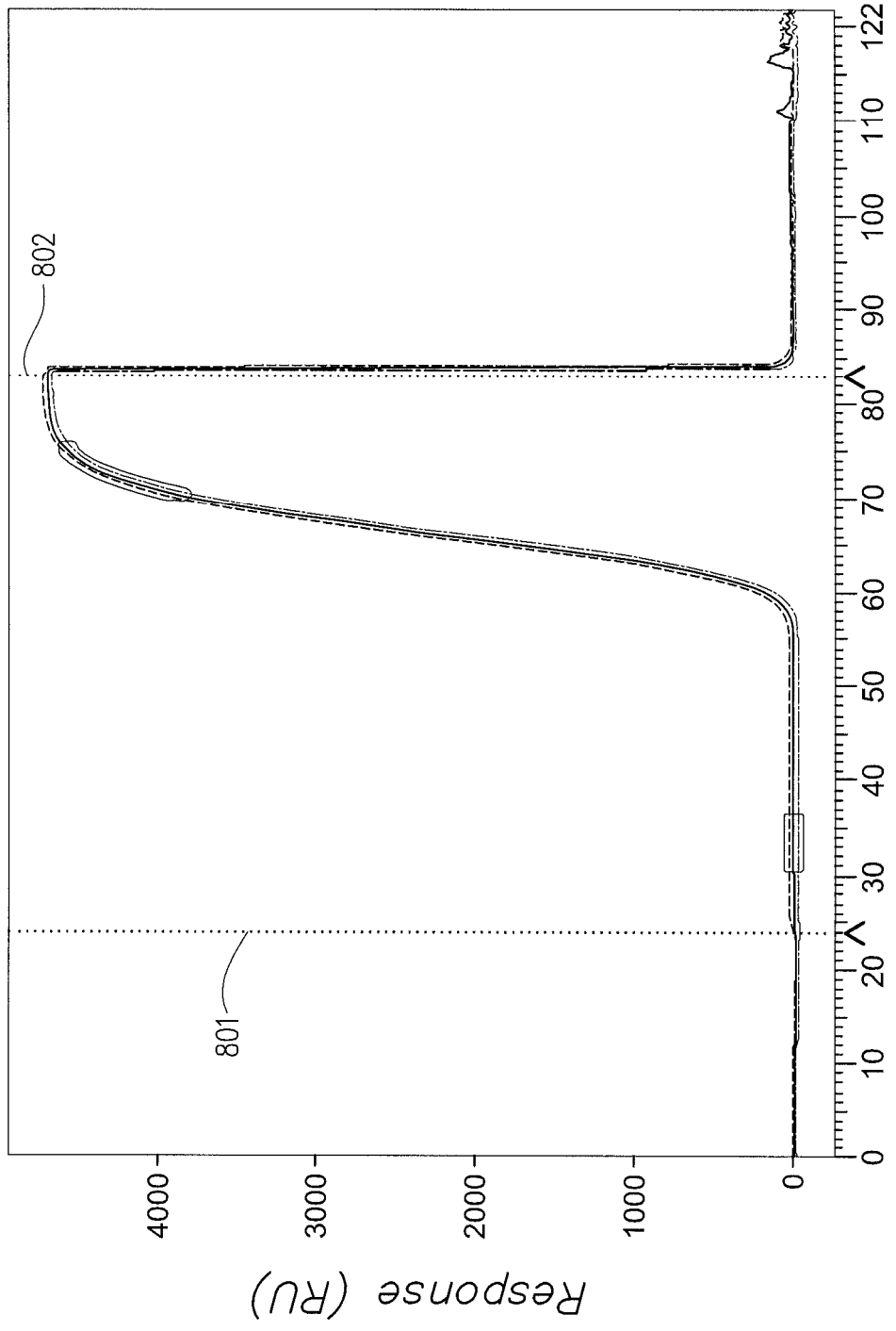

Response (RU)
4000
3000
2000
1000
0
0
10
20
30
40
50
60
70
80
90
100
110
122
Times (s)
801
802

Fig. 8