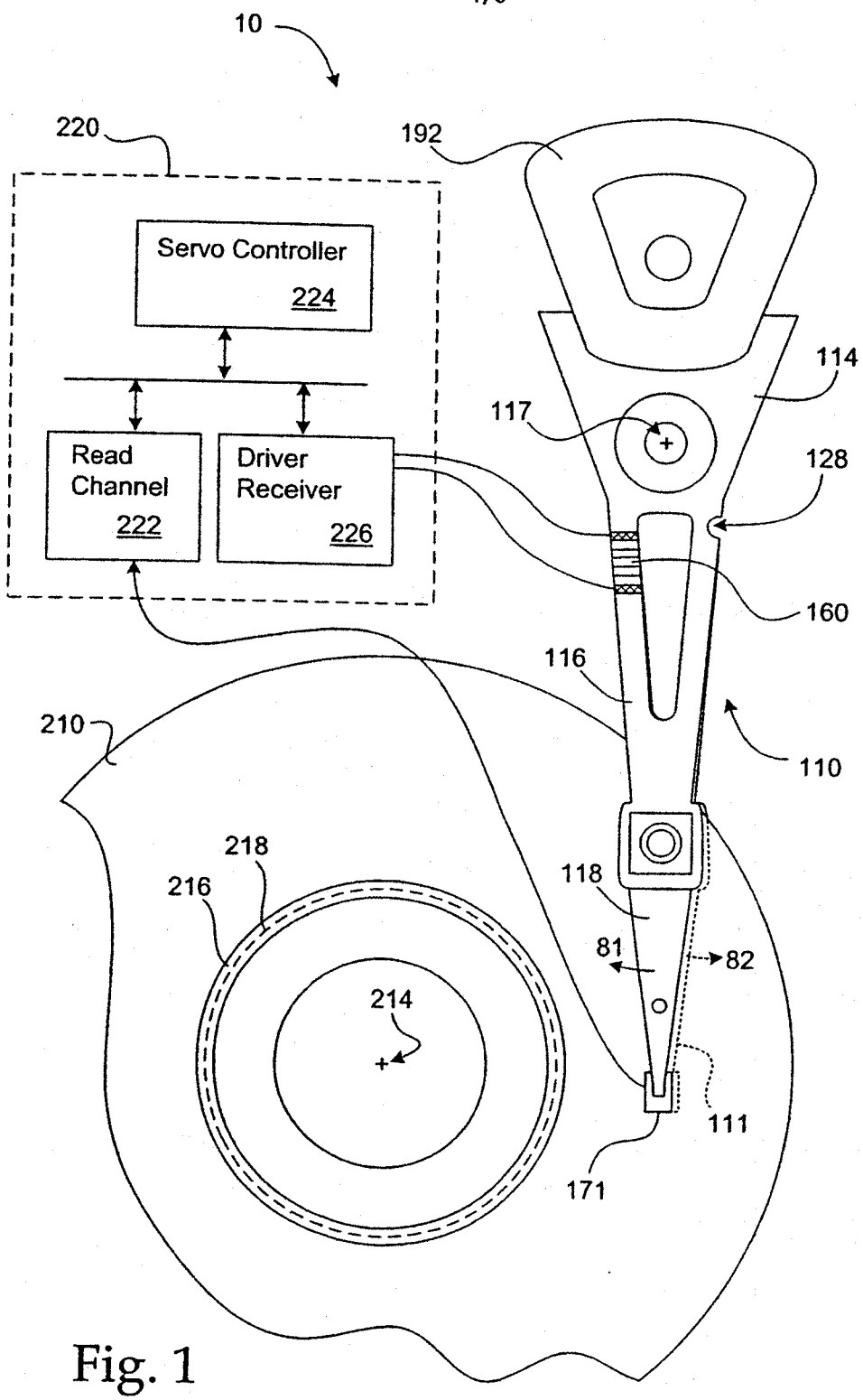

10
220
192
Servo Controller
224
114
117
128
Read
Channel
222
Driver
Receiver
226
160
116
210
110
218
216
118
81
82
214
111
171

Fig. 1

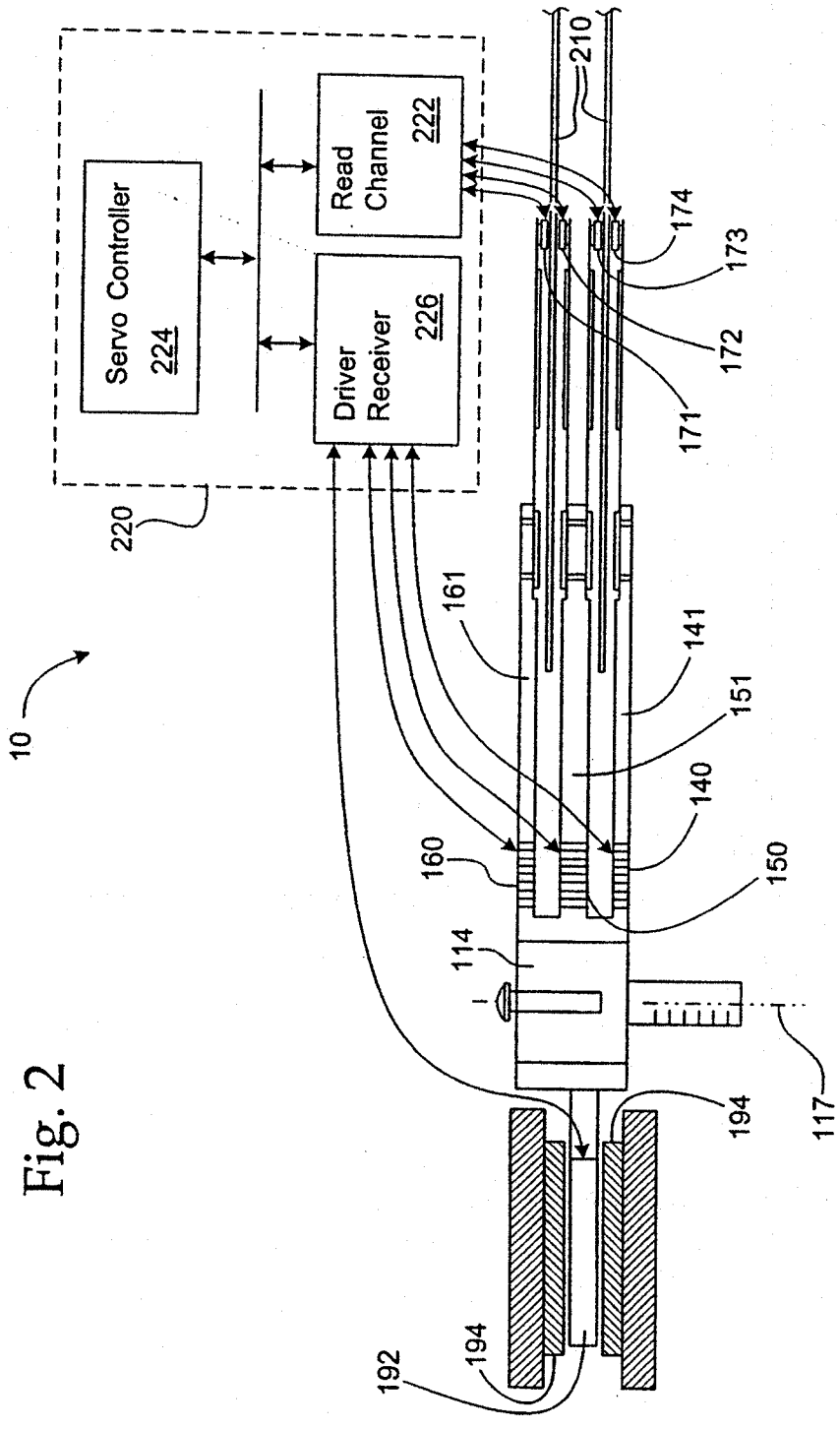

Servo Controller
224
Read Channel
222
Driver Receiver
226
220
10
210
174
173
172
171
161
141
151
140
160
150
114
194
117
192
194

Fig. 2

Fig. 3

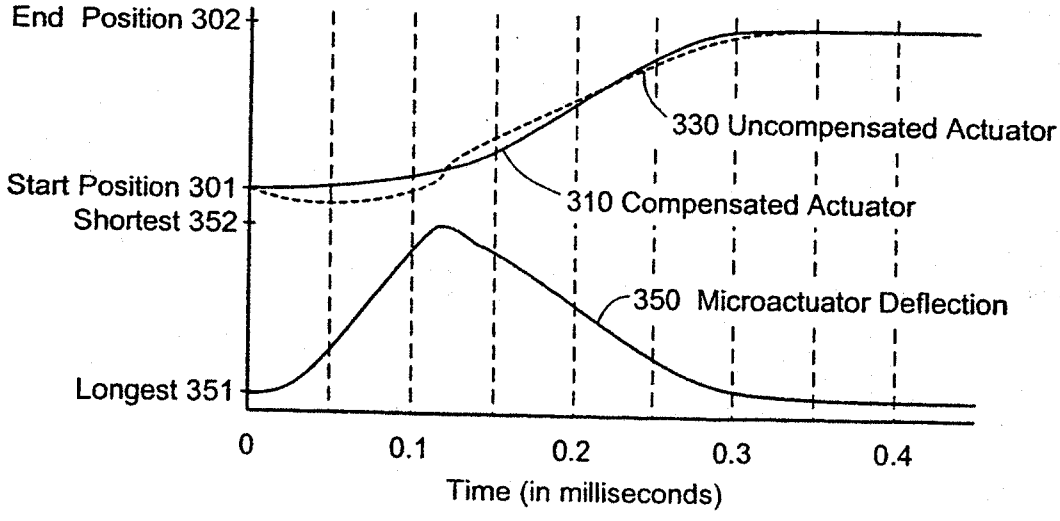

End Position 302
Start Position 301
Shortest 352
Longest 351
330 Uncompensated Actuator
310 Compensated Actuator
350 Microactuator Deflection
0
0.1
0.2
0.3
0.4
Time (in milliseconds)

Fig. 4

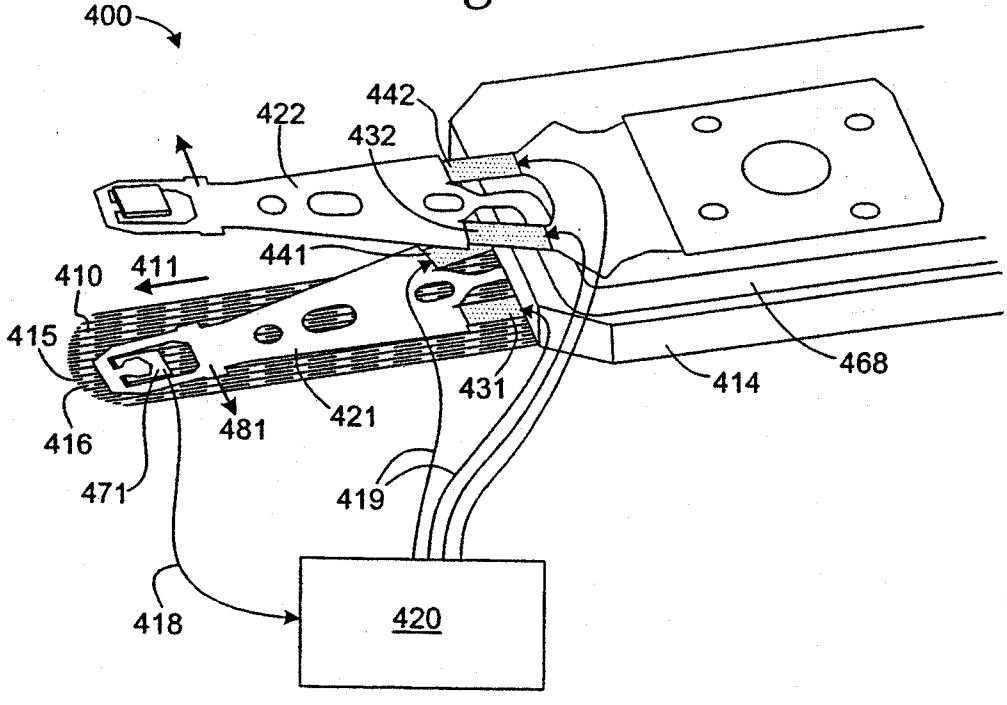
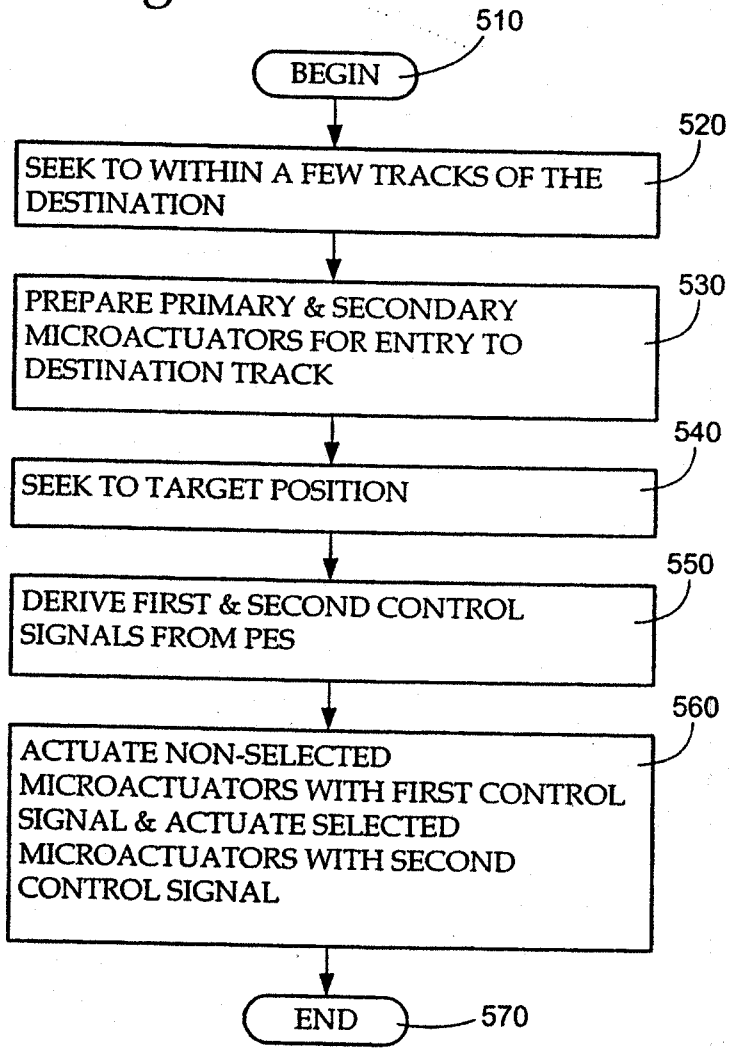

400
422
442
432
441
410
411
415
416
471
481
421
431
414
468
419
418
420

Fig. 5


510
BEGIN
520
SEEK TO WITHIN A FEW TRACKS OF THE DESTINATION
530
PREPARE PRIMARY & SECONDARY MICROACTUATORS FOR ENTRY TO DESTINATION TRACK
540
SEEK TO TARGET POSITION
550
DERIVE FIRST & SECOND CONTROL SIGNALS FROM PES
560
ACTUATE NON-SELECTED MICROACTUATORS WITH FIRST CONTROL SIGNAL & ACTUATE SELECTED MICROACTUATORS WITH SECOND CONTROL SIGNAL
END
570

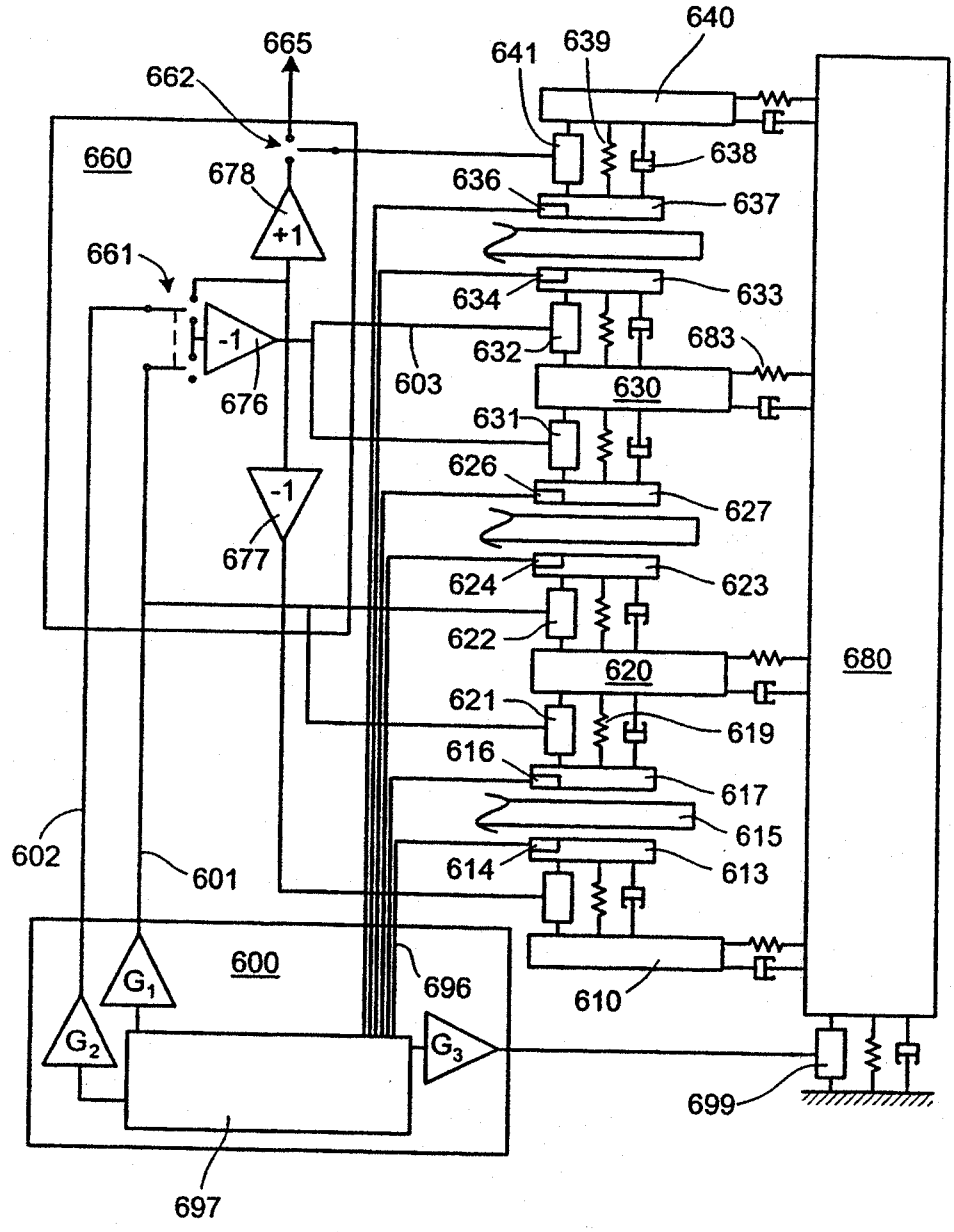

665
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+1
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-1
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600
696
G1
G2
G3
699
697

Fig. 6