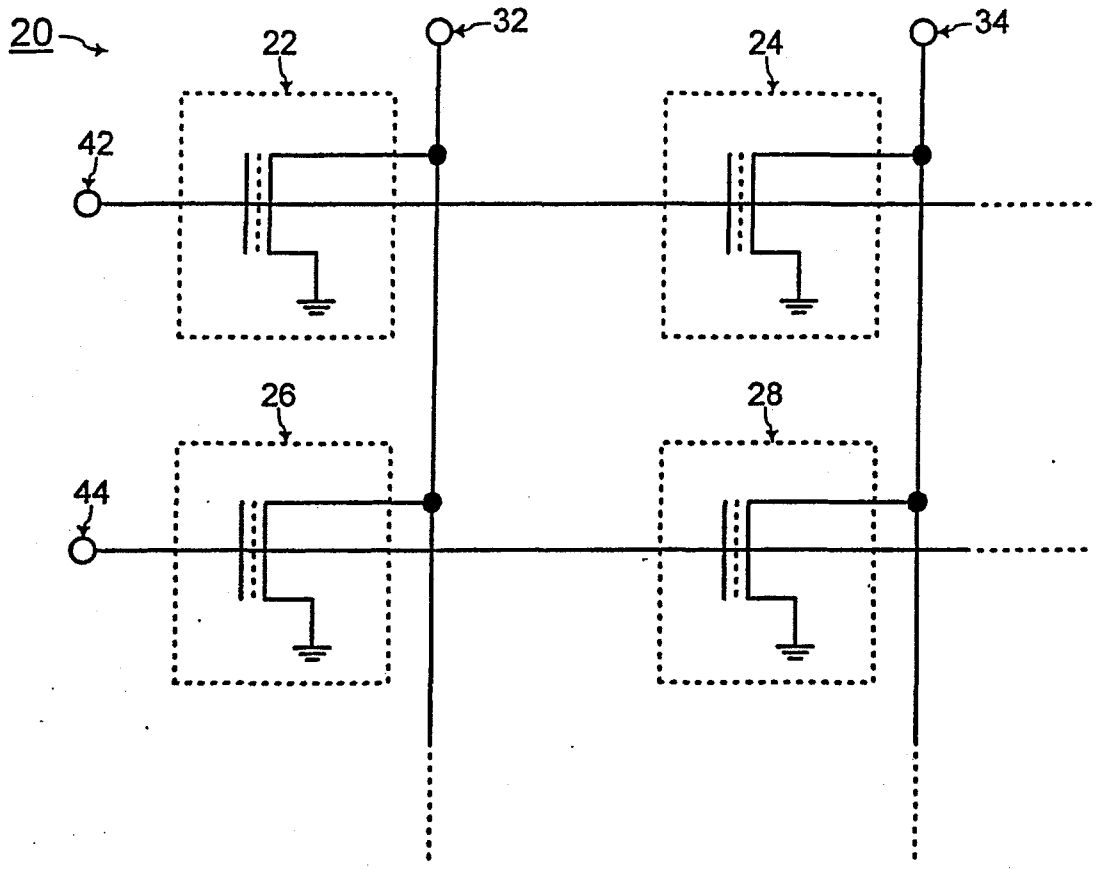

20
22
32
24
34
42
26
28
44

FIG. 1

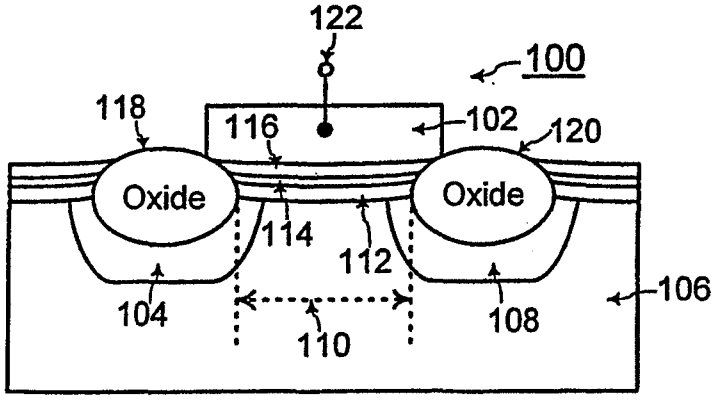

122
100
118
116
102
120
Oxide
Oxide
114
112
104
110
108
106

FIG. 2

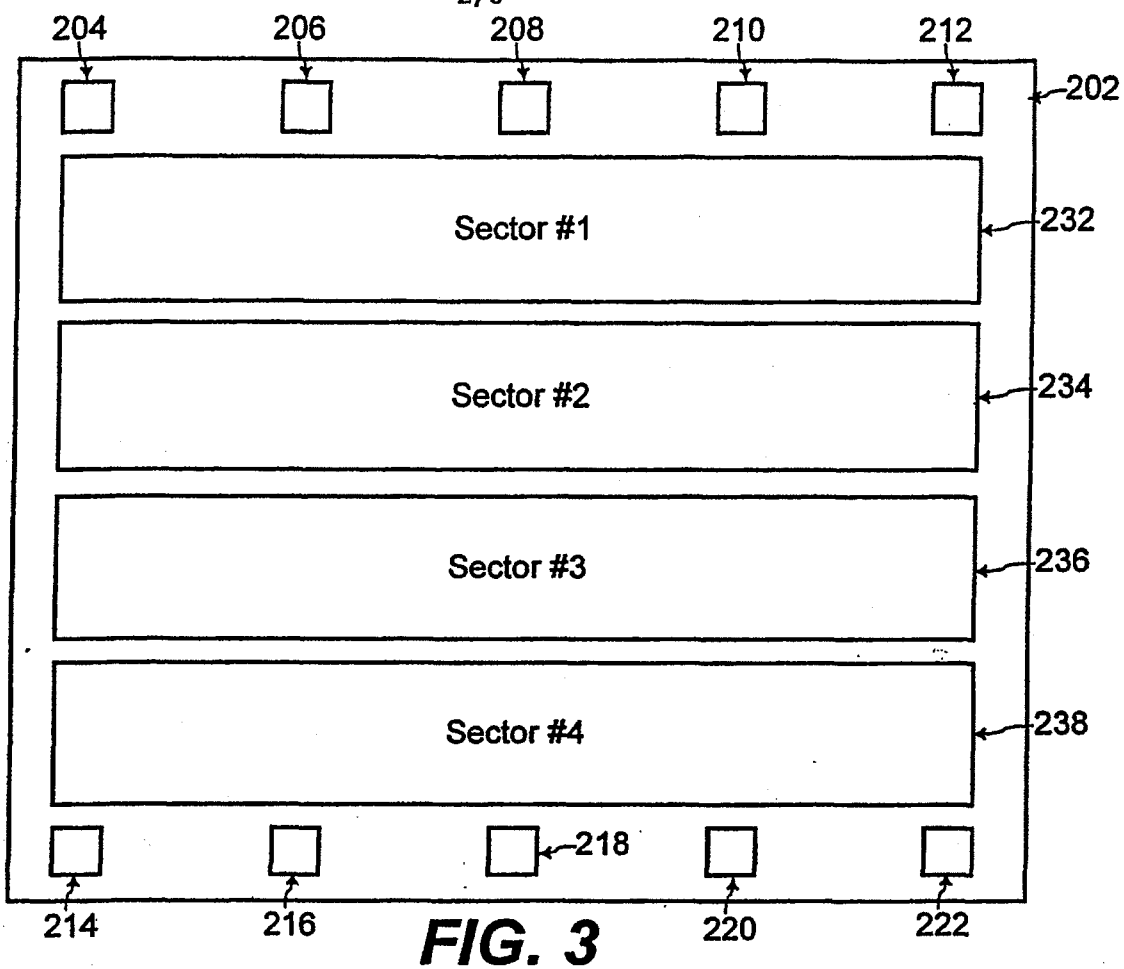

204
206
208
210
212
202
Sector #1
232
Sector #2
234
Sector #3
236
Sector #4
238
218
214
216
220
222

FIG. 3

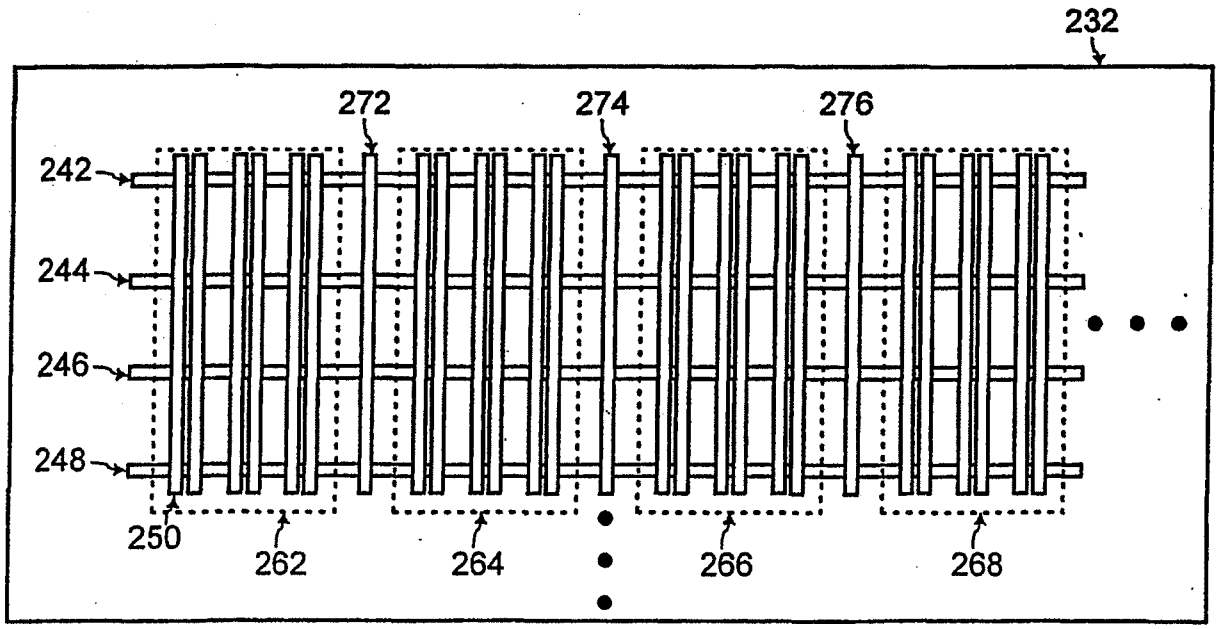

232
272
274
276
242
244
246
248
250
262
264
266
268

FIG. 4

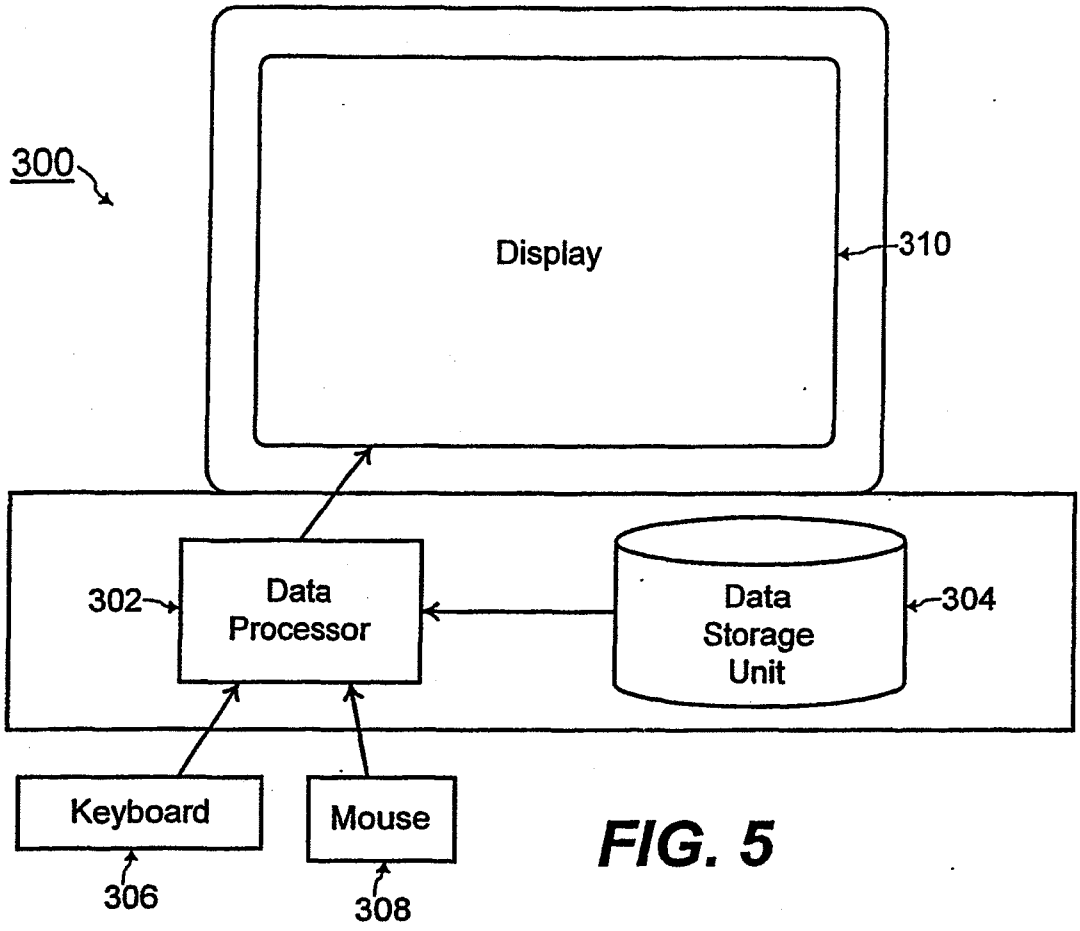

300
Display
310
302
Data Processor
Data Storage Unit
304
Keyboard
306
Mouse
308

FIG. 5

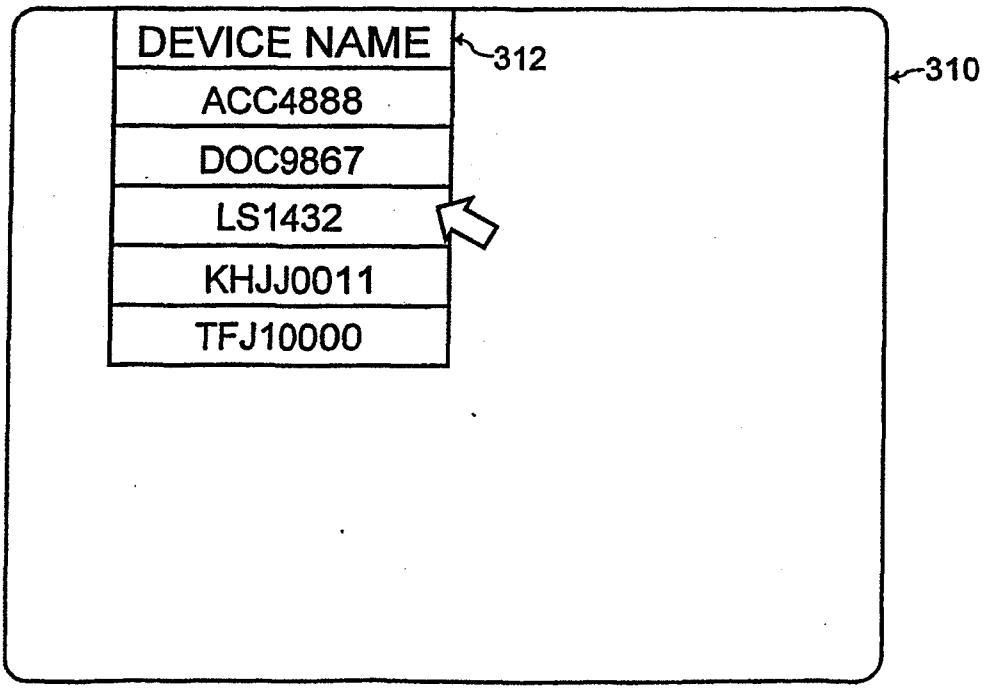

DEVICE NAME
312
310
ACC4888
DOC9867
LS1432
KHJJ0011
TFJ10000

FIG. 7

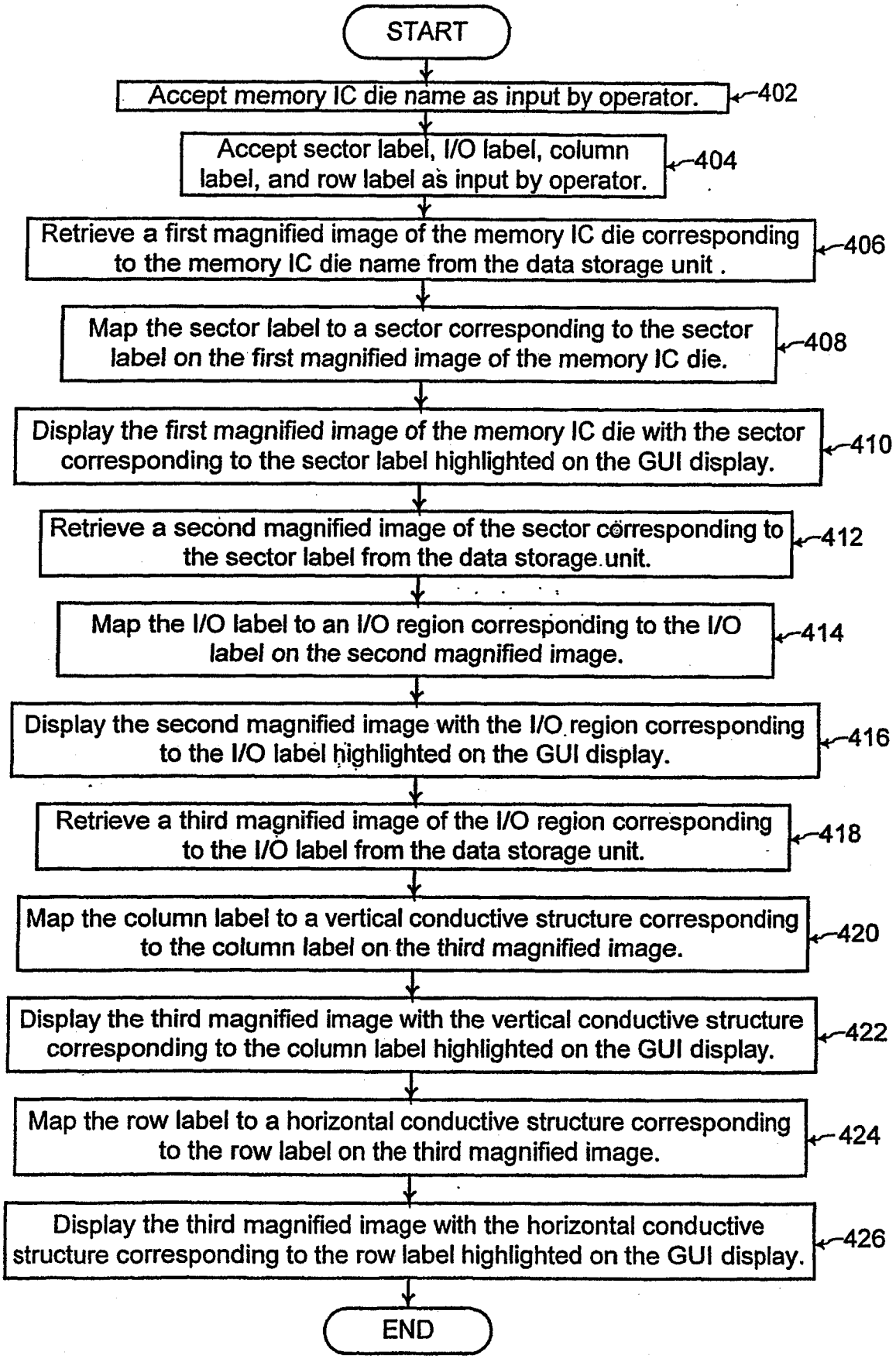

START
Accept memory IC die name as input by operator.
402
Accept sector label, I/O label, column label, and row label as input by operator.
404
Retrieve a first magnified image of the memory IC die corresponding to the memory IC die name from the data storage unit .
406
Map the sector label to a sector corresponding to the sector label on the first magnified image of the memory IC die.
408
Display the first magnified image of the memory IC die with the sector corresponding to the sector label highlighted on the GUI display.
410
Retrieve a second magnified image of the sector corresponding to the sector label from the data storage unit.
412
Map the I/O label to an I/O region corresponding to the I/O label on the second magnified image.
414
Display the second magnified image with the I/O region corresponding to the I/O label highlighted on the GUI display.
416
Retrieve a third magnified image of the I/O region corresponding to the I/O label from the data storage unit.
418
Map the column label to a vertical conductive structure corresponding to the column label on the third magnified image.
420
Display the third magnified image with the vertical conductive structure corresponding to the column label highlighted on the GUI display.
422
Map the row label to a horizontal conductive structure corresponding to the row label on the third magnified image.
424
Display the third magnified image with the horizontal conductive structure corresponding to the row label highlighted on the GUI display.
426
END

FIG. 6

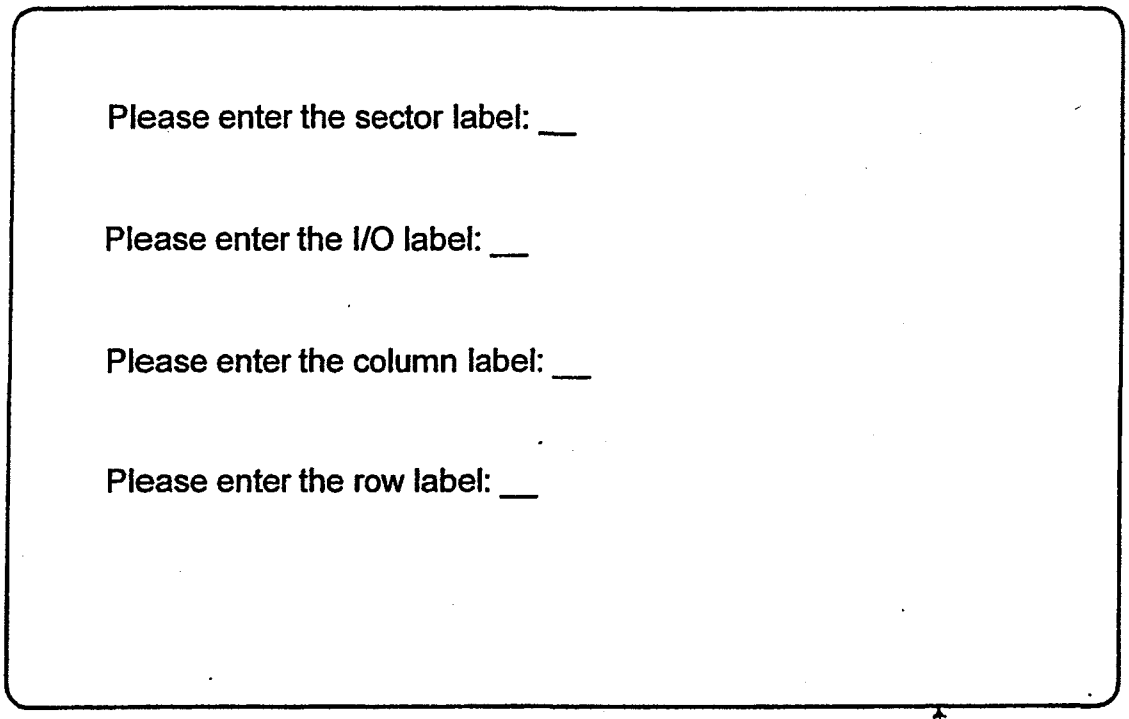

Please enter the sector label: __
Please enter the I/O label: __
Please enter the column label: __
Please enter the row label: __
310

FIG. 8

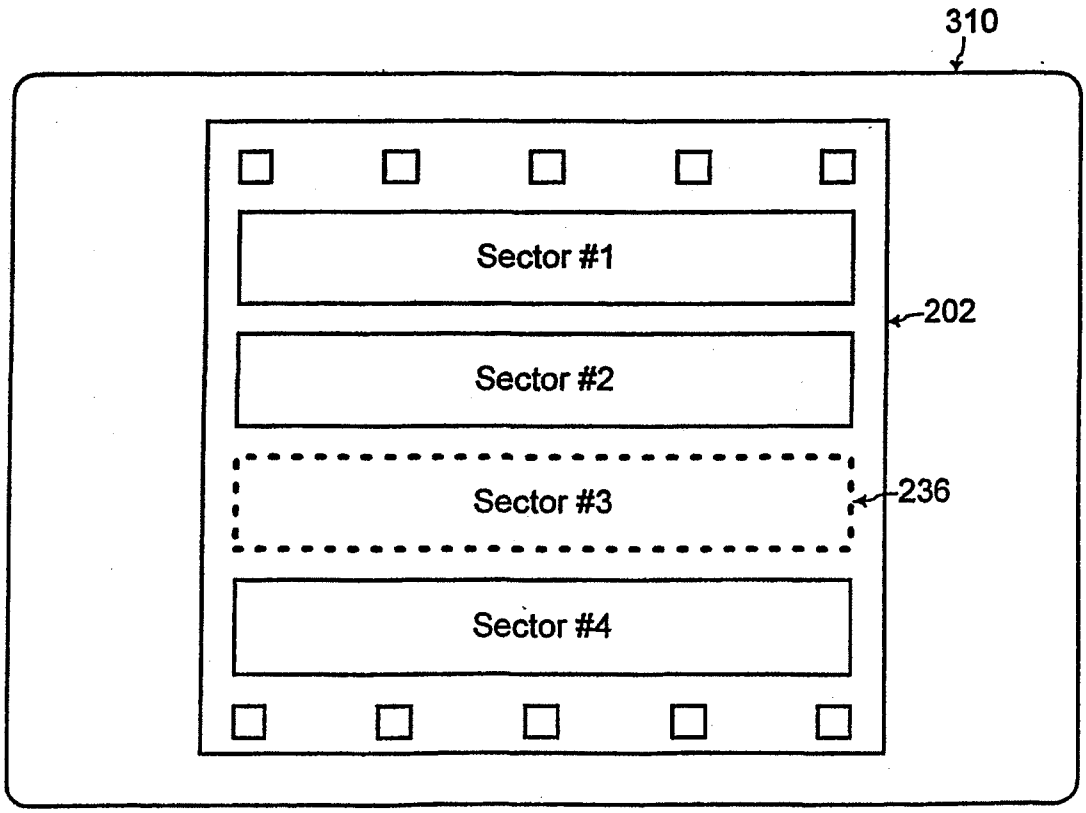

310
Sector #1
Sector #2
Sector #3
Sector #4
202
236

FIG. 9

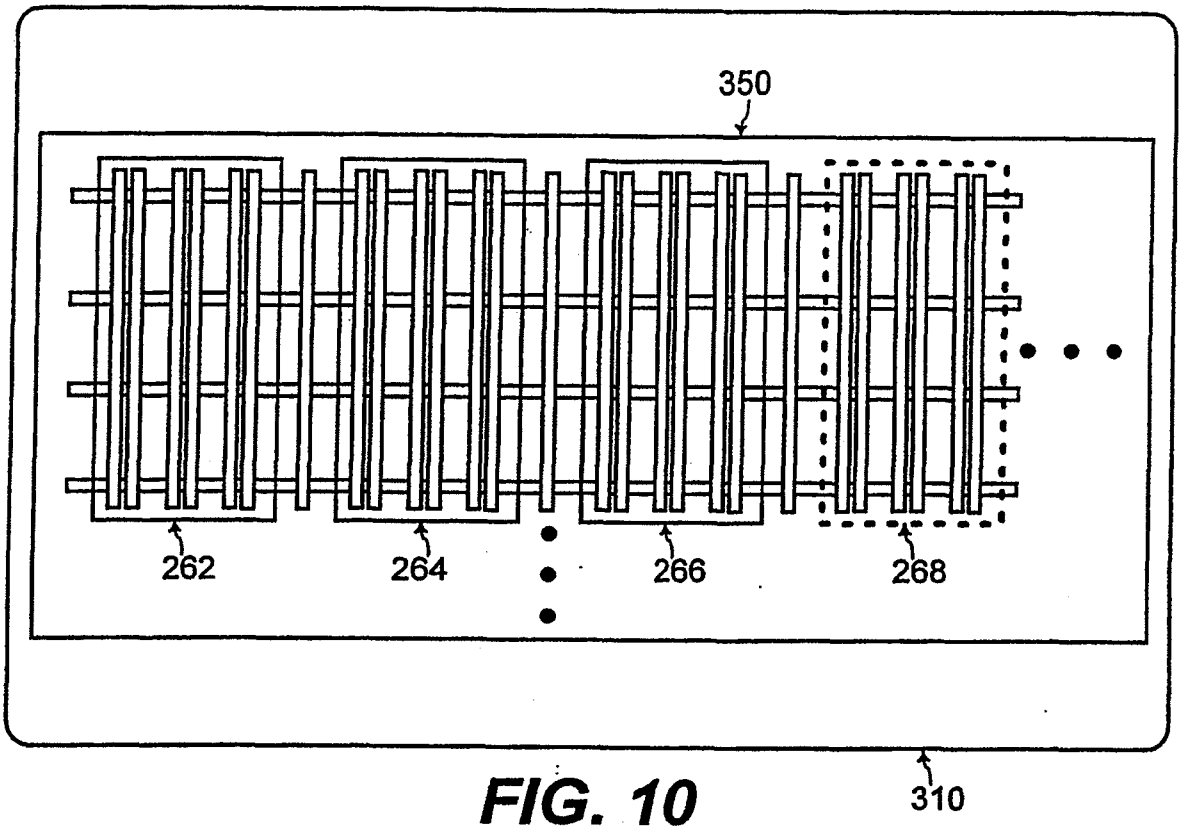

350
262
264
266
268
310

FIG. 10

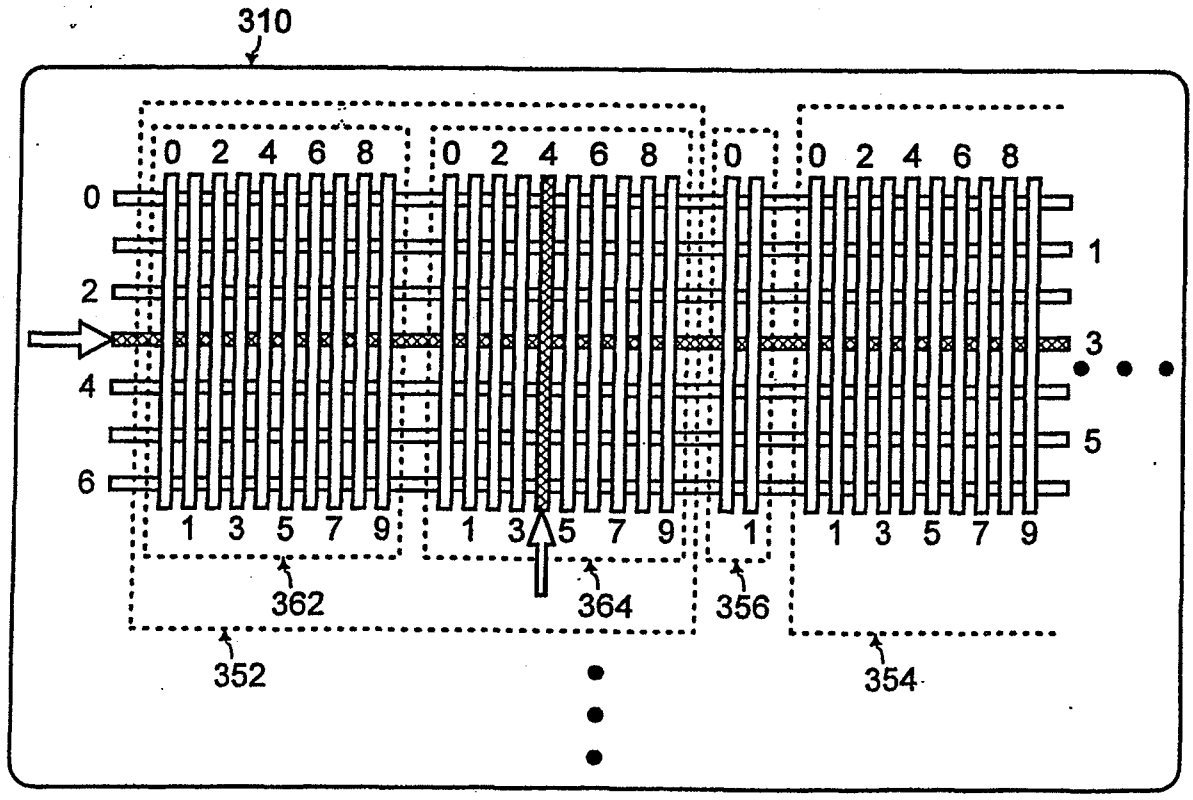

310
0 2 4 6 8
0 2 4 6 8
0
0 2 4 6 8
0
2
4
6
1
3
5
1 3 5 7 9
1 3 5 7 9
1
1 3 5 7 9
362
364
356
352
354

FIG. 11