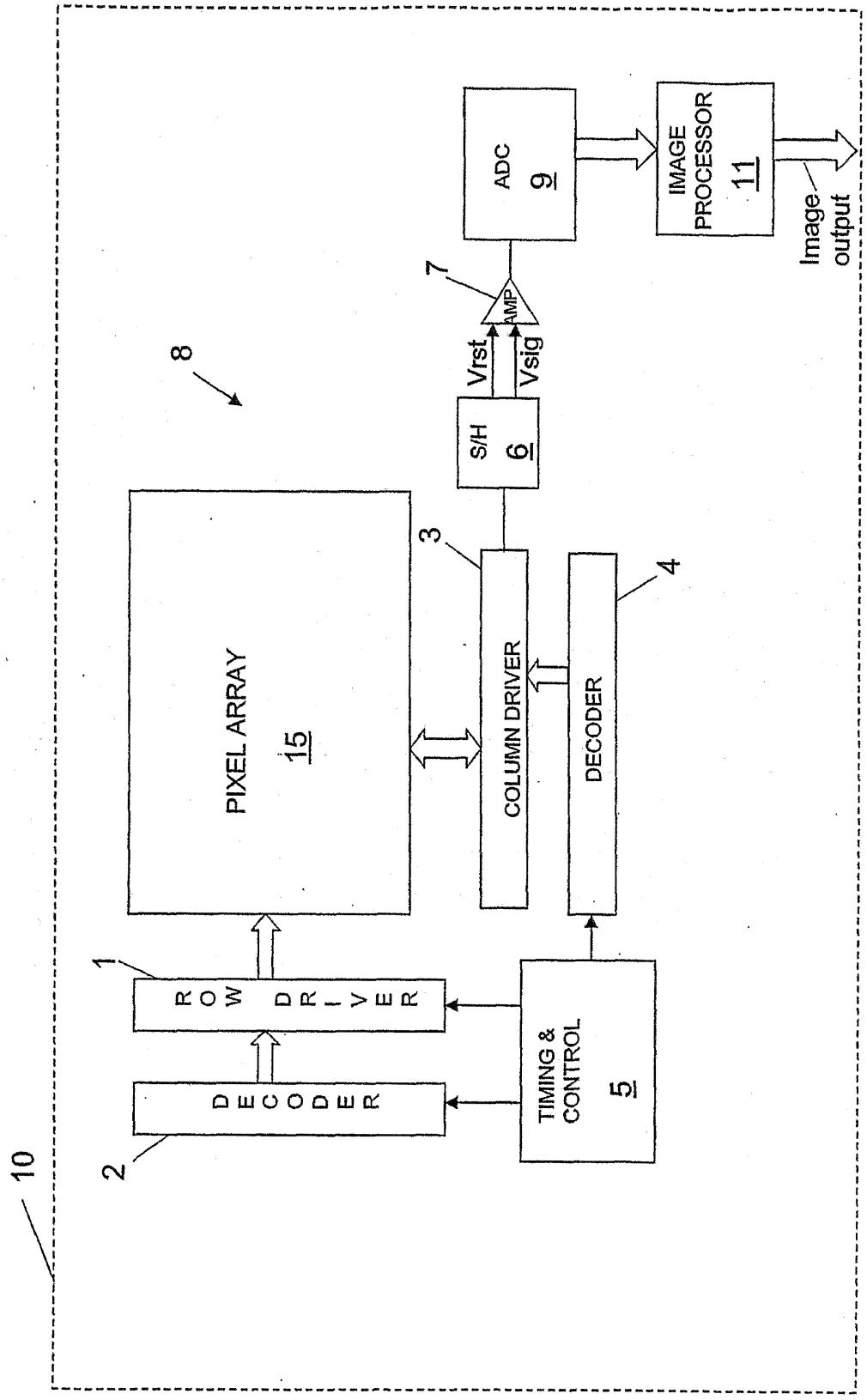


FIG. 1
(Related Art)

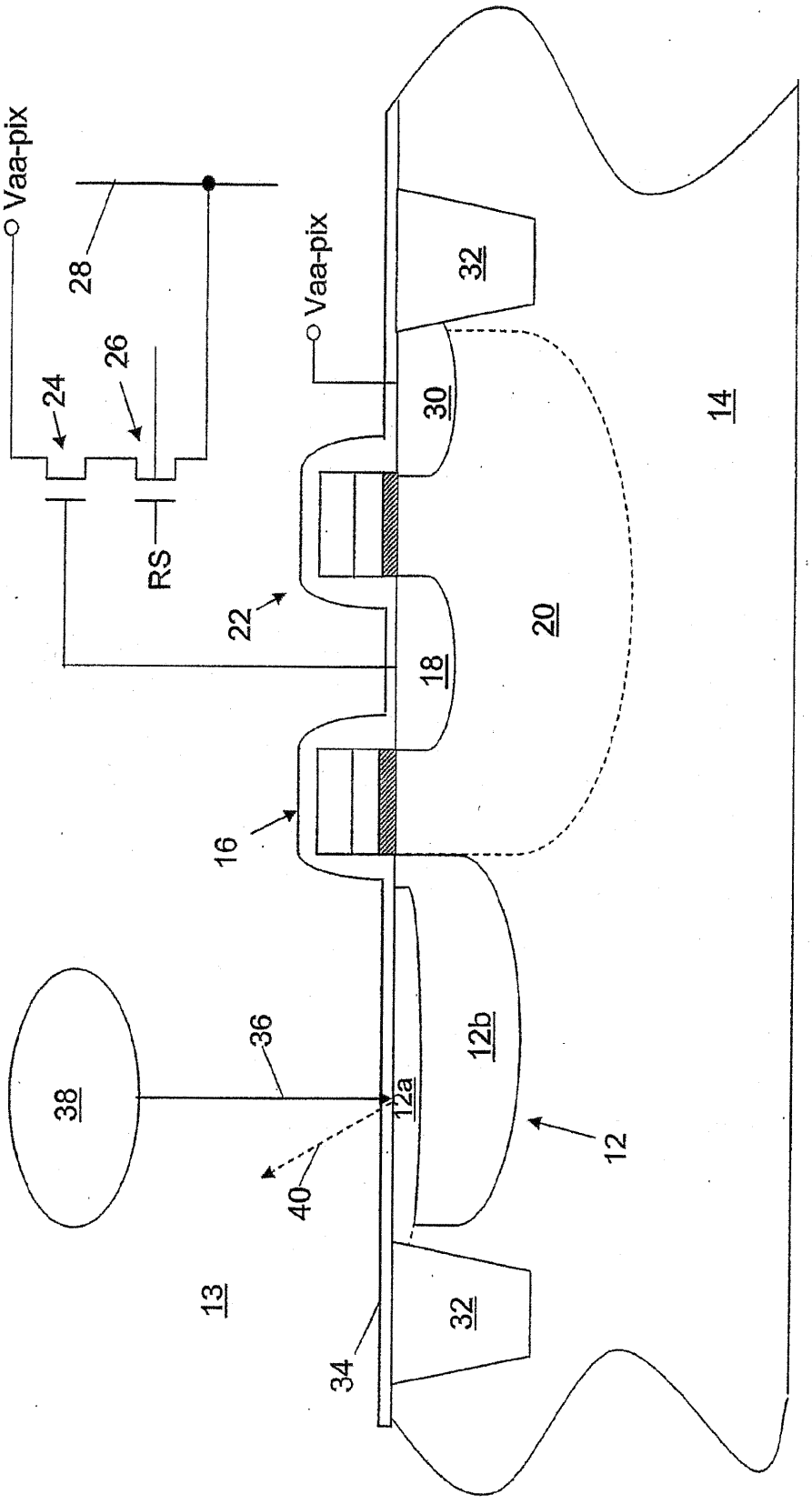


FIG. 2
(Prior Art)

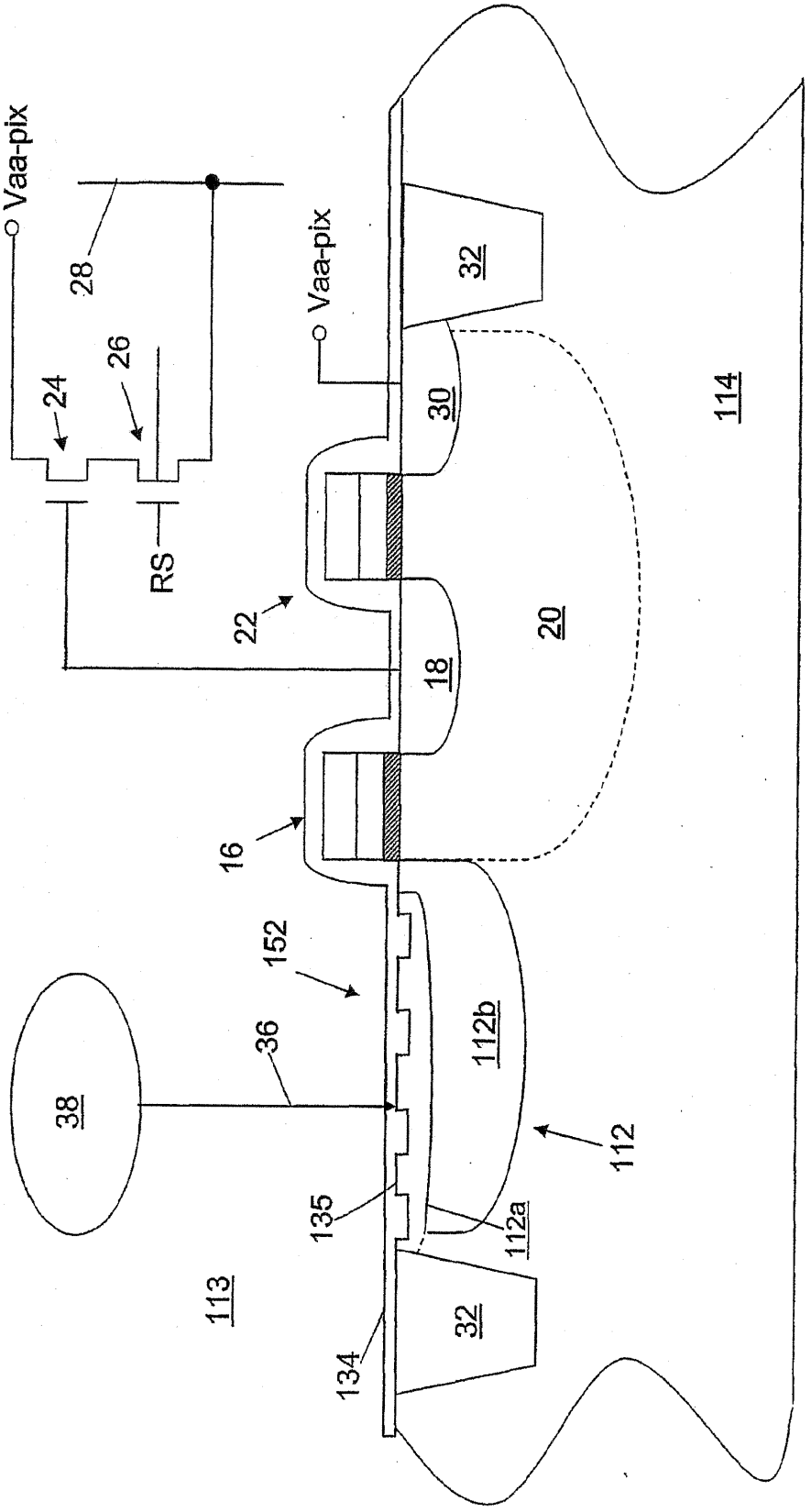

Vaa-pix
28
24
26
RS
Vaa-pix
32
30
114
22
20
18
16
152
36
38
112b
112
135
112a
113
32
134

FIG. 3

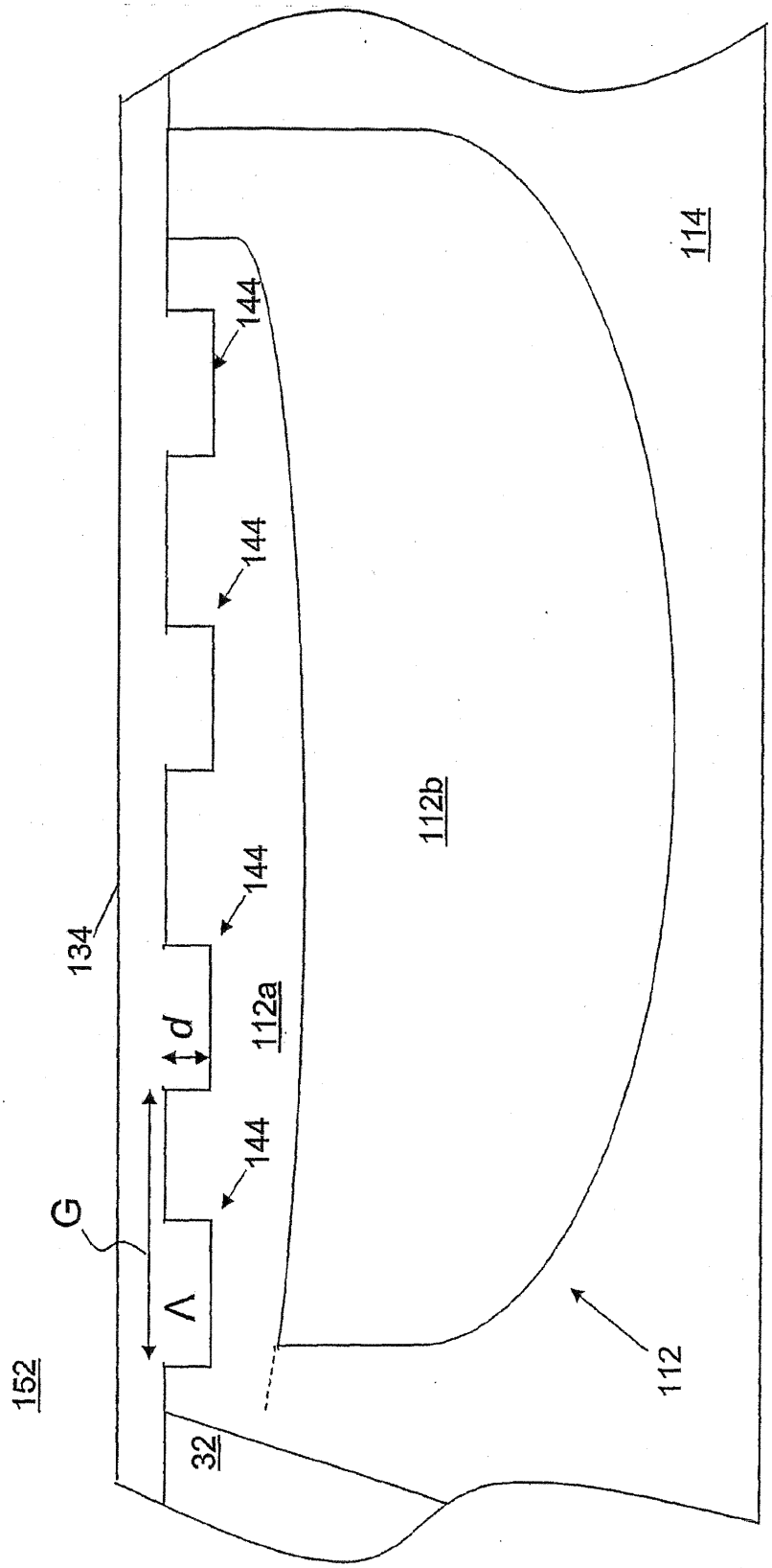


FIG. 4

FIG. 5A

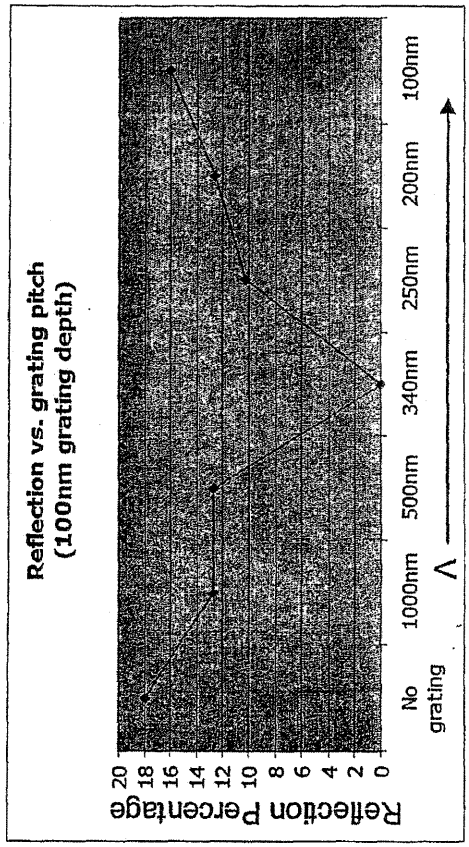
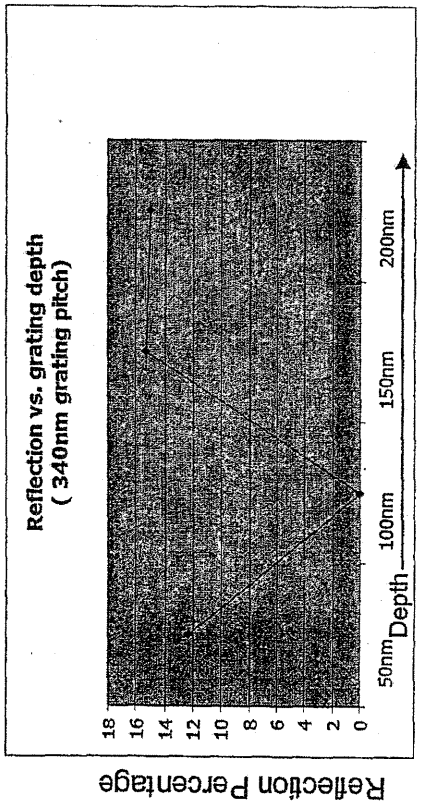

Reflection vs. grating pitch
(100nm grating depth)
Reflection Percentage
20
18
16
14
12
10
8
6
4
2
0
No grating
1000nm
500nm
340nm
250nm
200nm
100nm
Λ

FIG. 5B


Reflection vs. grating depth
(340nm grating pitch)
Reflection Percentage
18
16
14
12
10
8
6
4
2
0
50nm
Depth
100nm
150nm
200nm

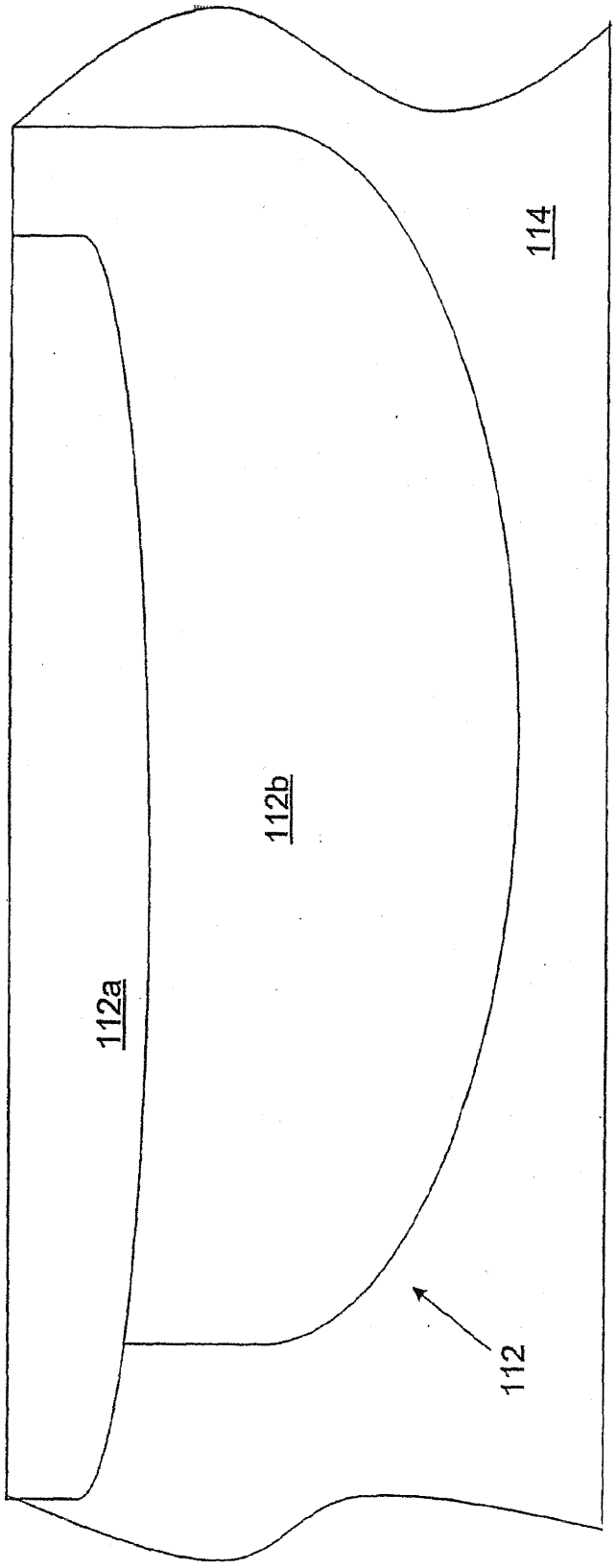


FIG. 6

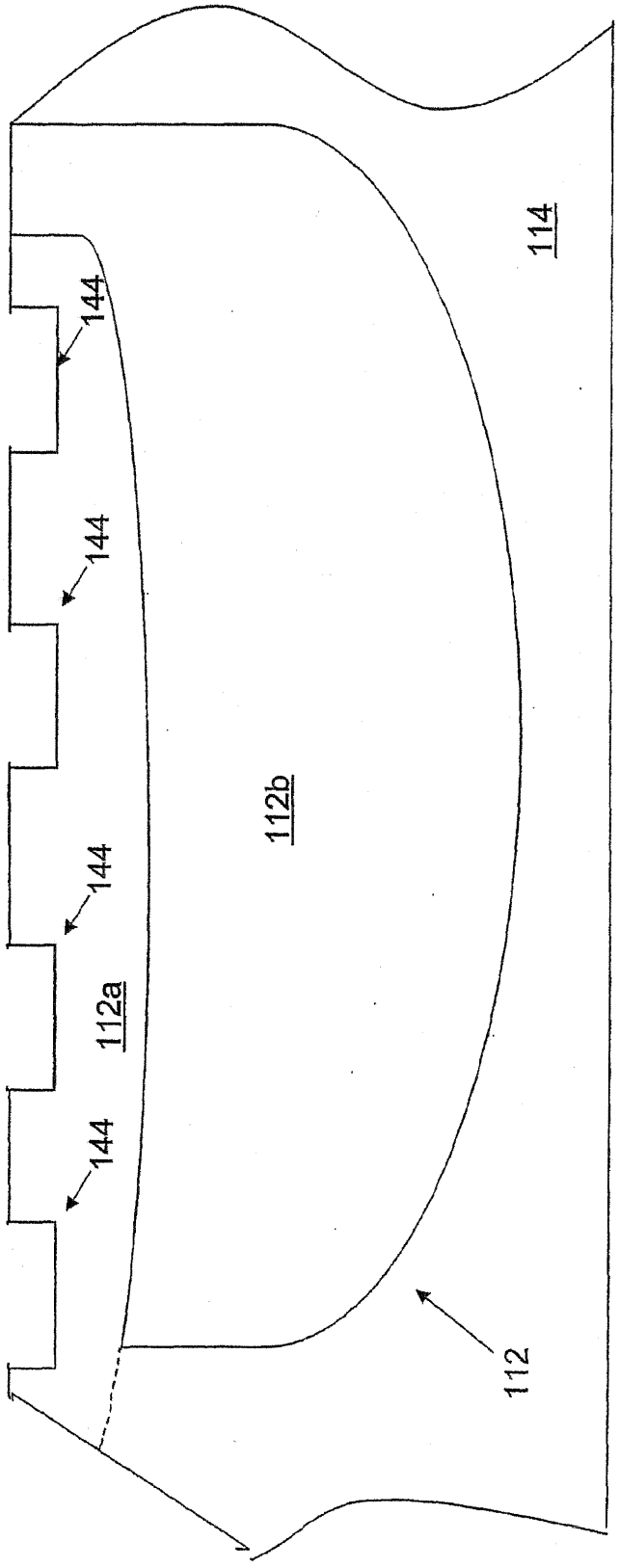


FIG. 7

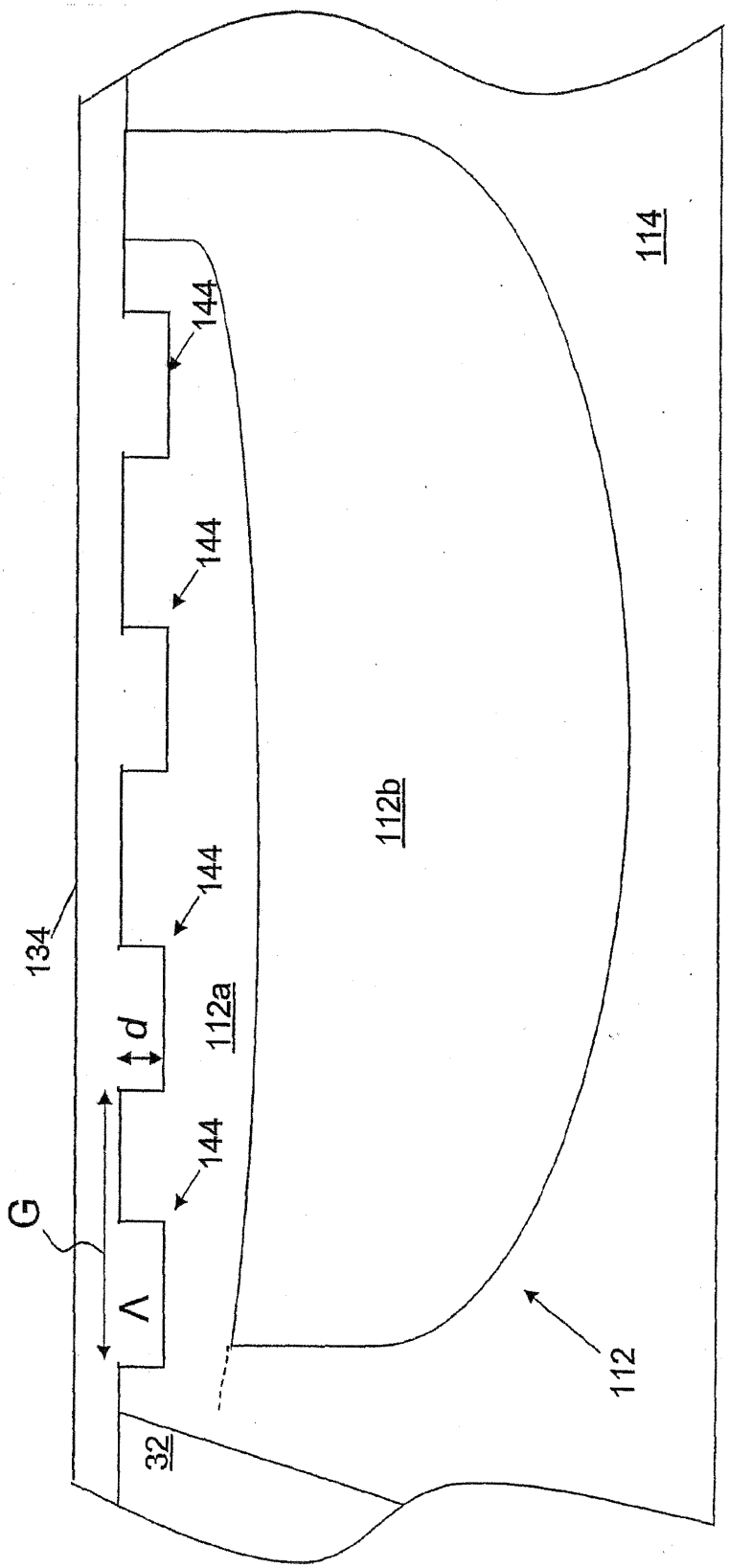


FIG. 8

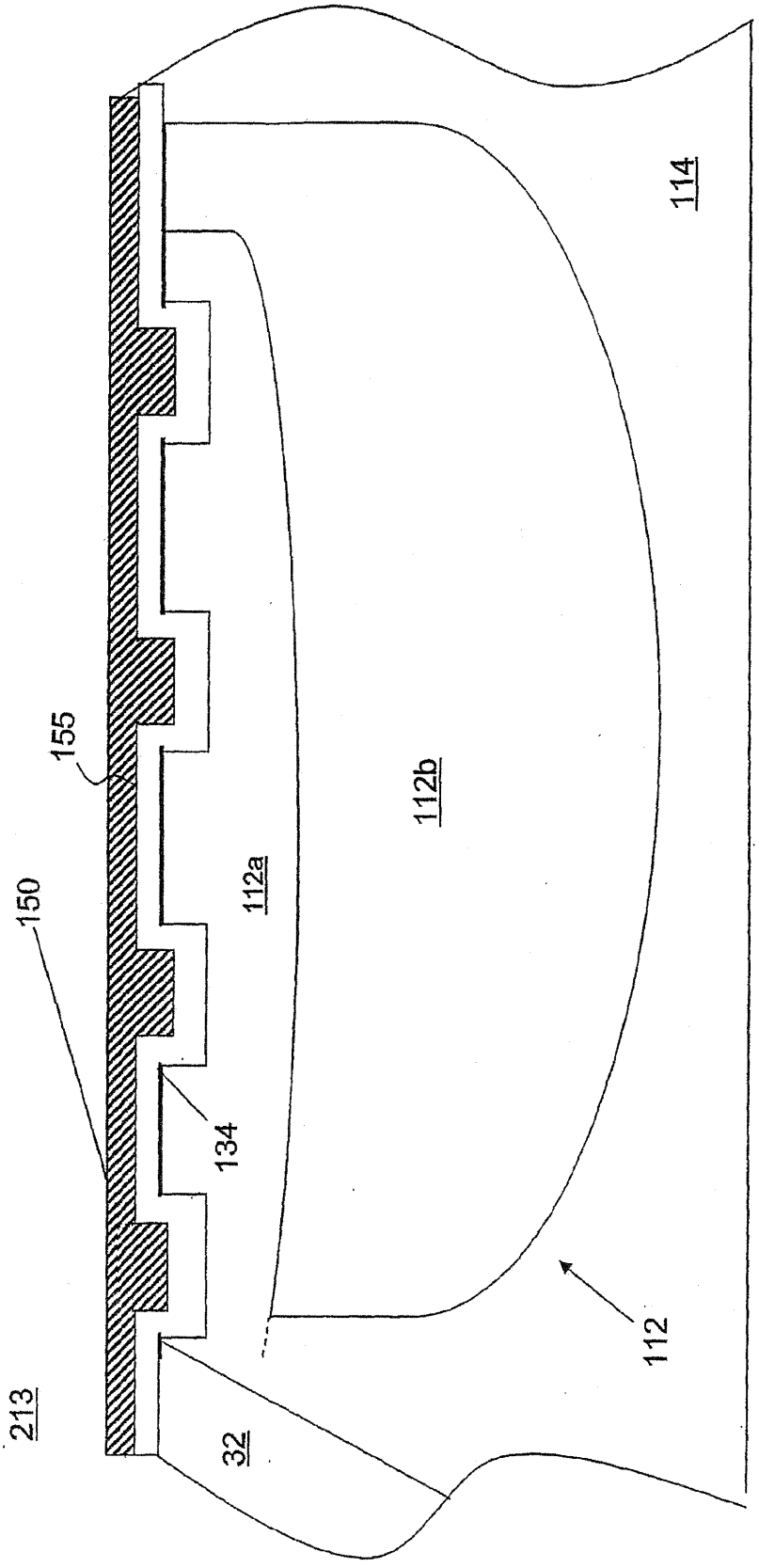


FIG. 9

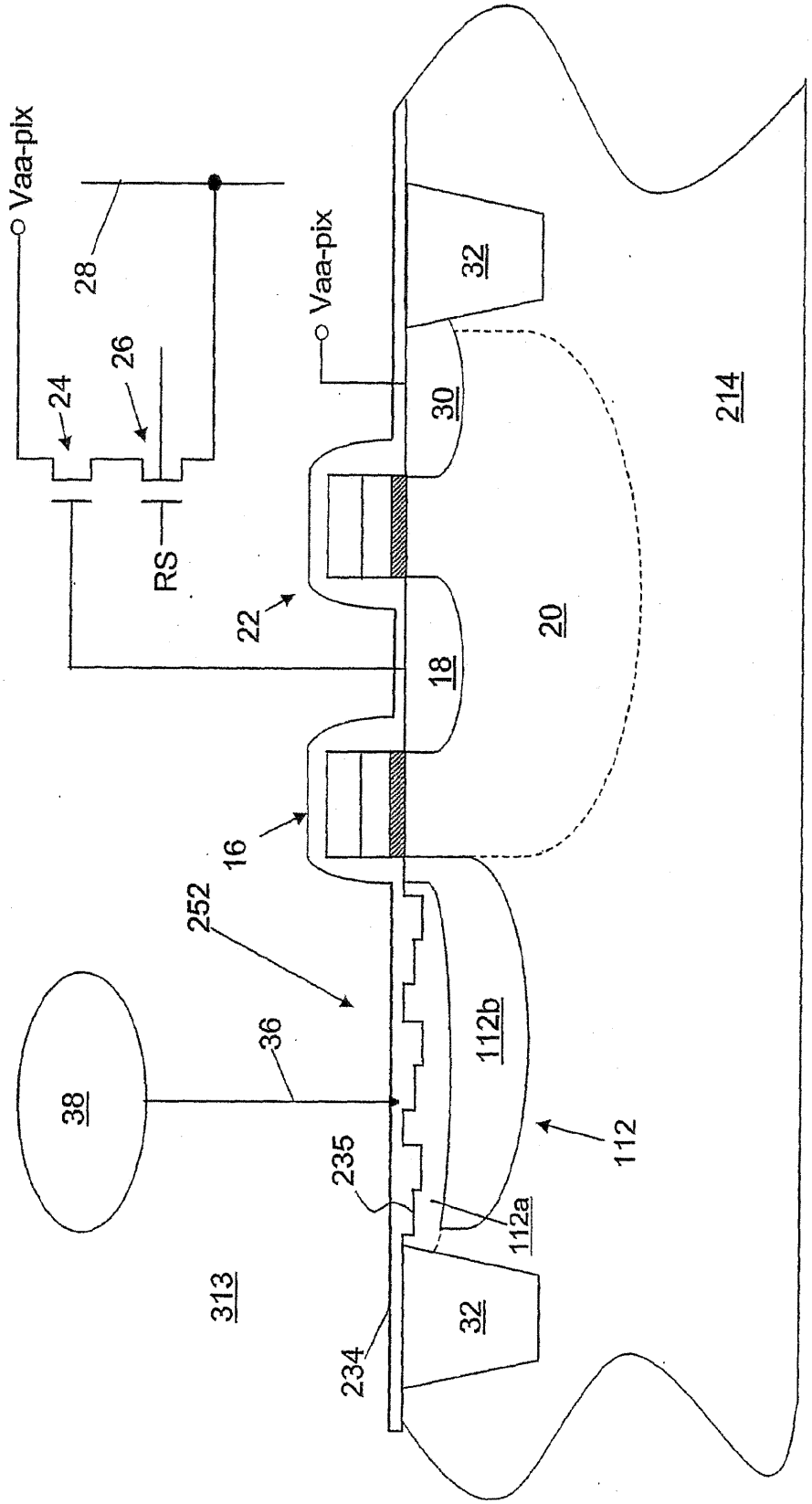

Vaa-pix
28
26
24
RS
22
Vaa-pix
32
30
214
20
18
16
252
36
38
112b
112
235
112a
313
32
234

FIG. 10

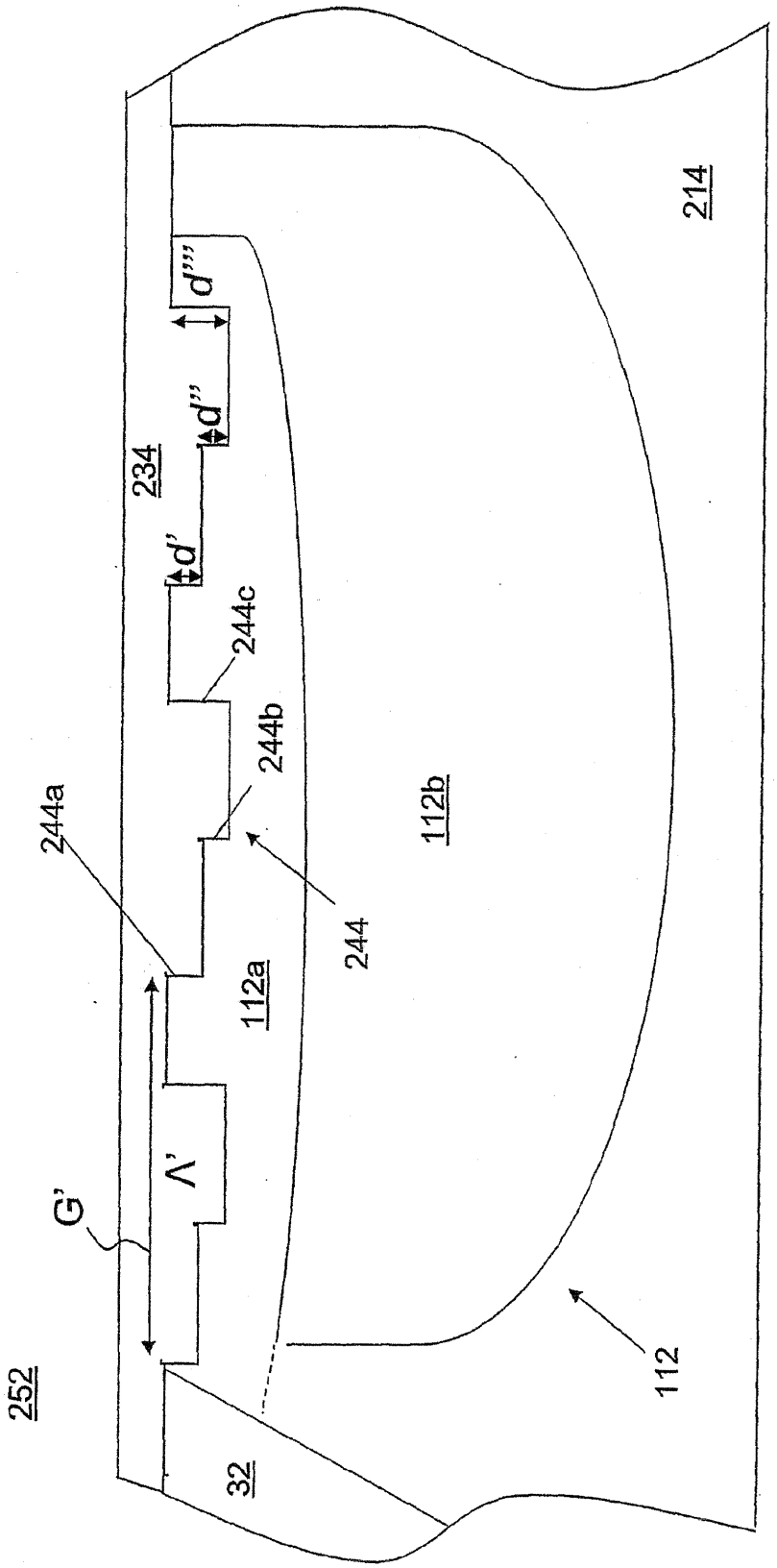


FIG. 11

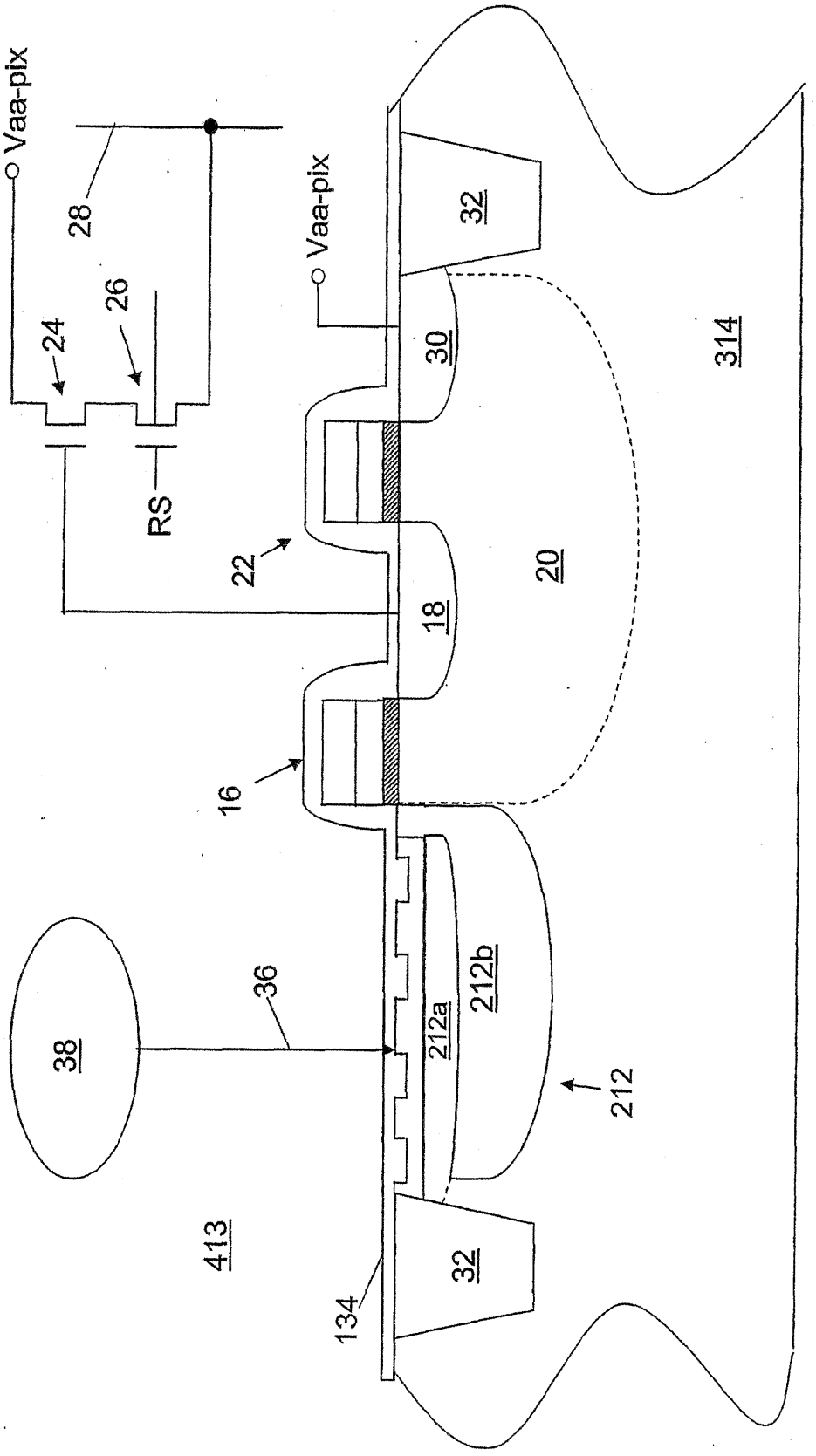

Vaa-pix
28
26
24
RS
Vaa-pix
32
30
314
22
20
18
16
36
38
212b
212a
212
413
32
134

FIG. 12

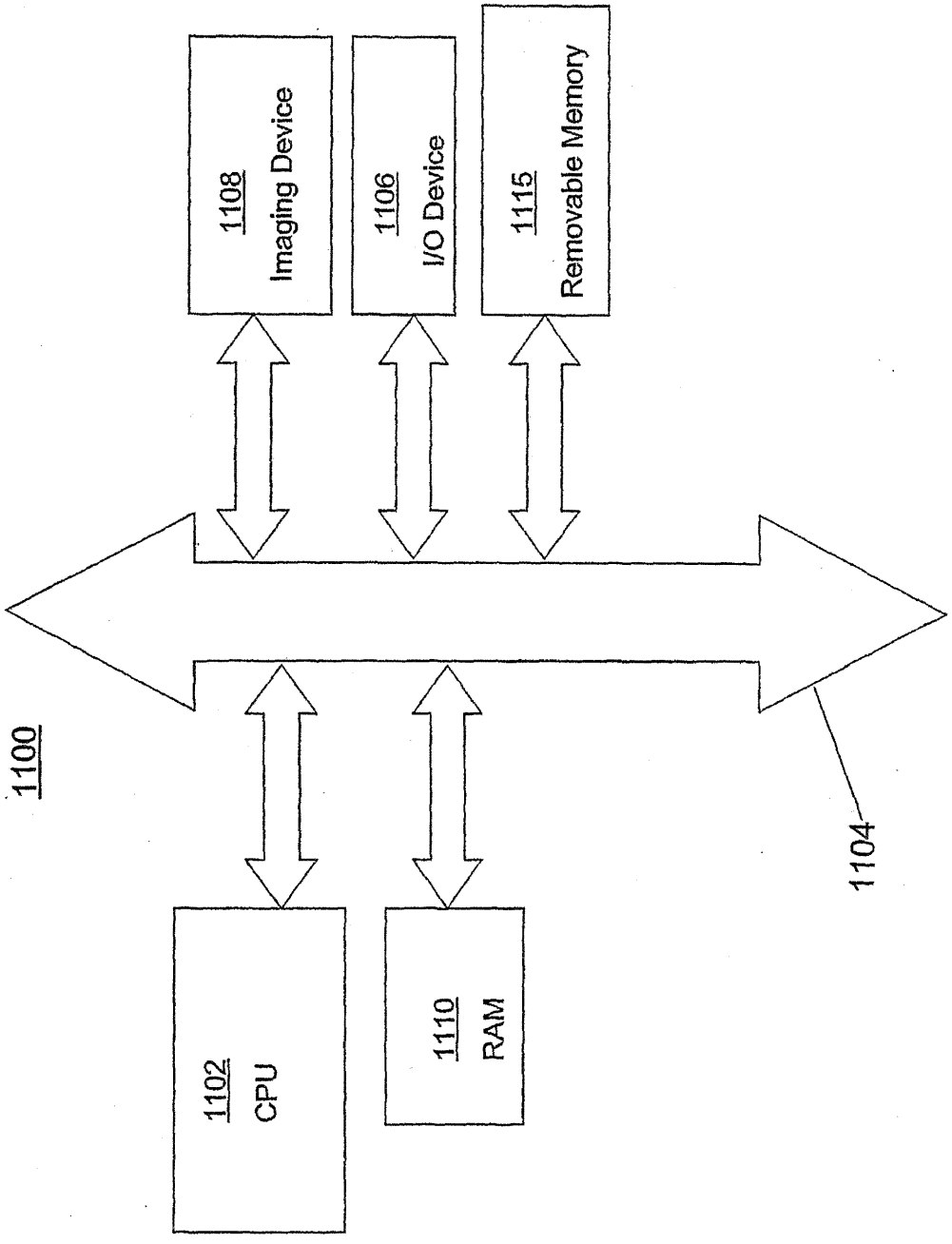

1100
1102 CPU
1110 RAM
1104
1108 Imaging Device
1106 I/O Device
1115 Removable Memory

FIG. 13