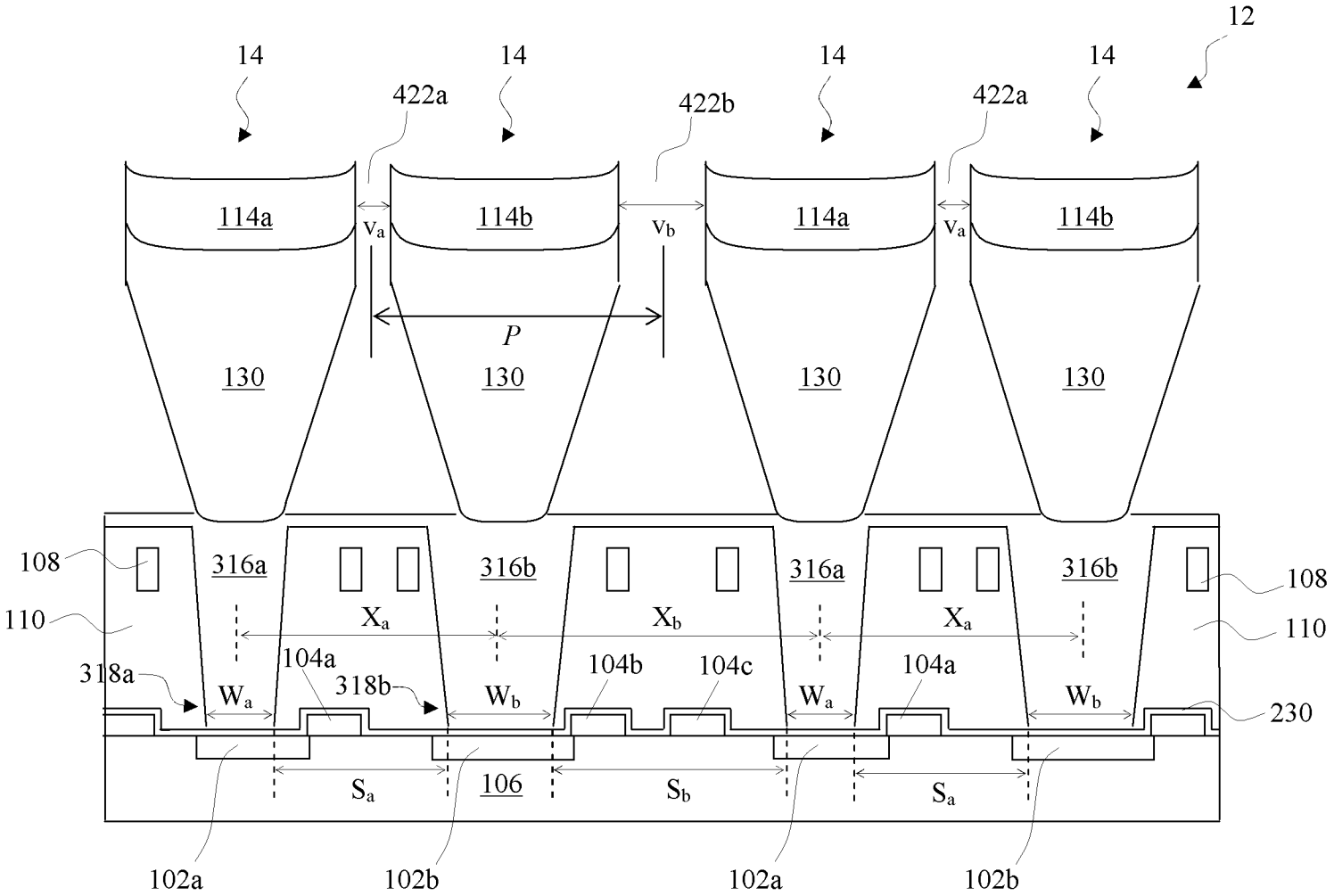

12
14
14
14
14
422a
422b
422a
114a
114b
114a
114b
V_a
V_b
V_a
P
130
130
130
130
108
316a
316b
316a
316b
108
110
X_a
X_b
X_a
110
318a
104a
318b
104b
104c
104a
W_a
W_b
W_a
W_b
230
S_a
106
S_b
S_a
102a
102b
102a
102b

FIG. 1A

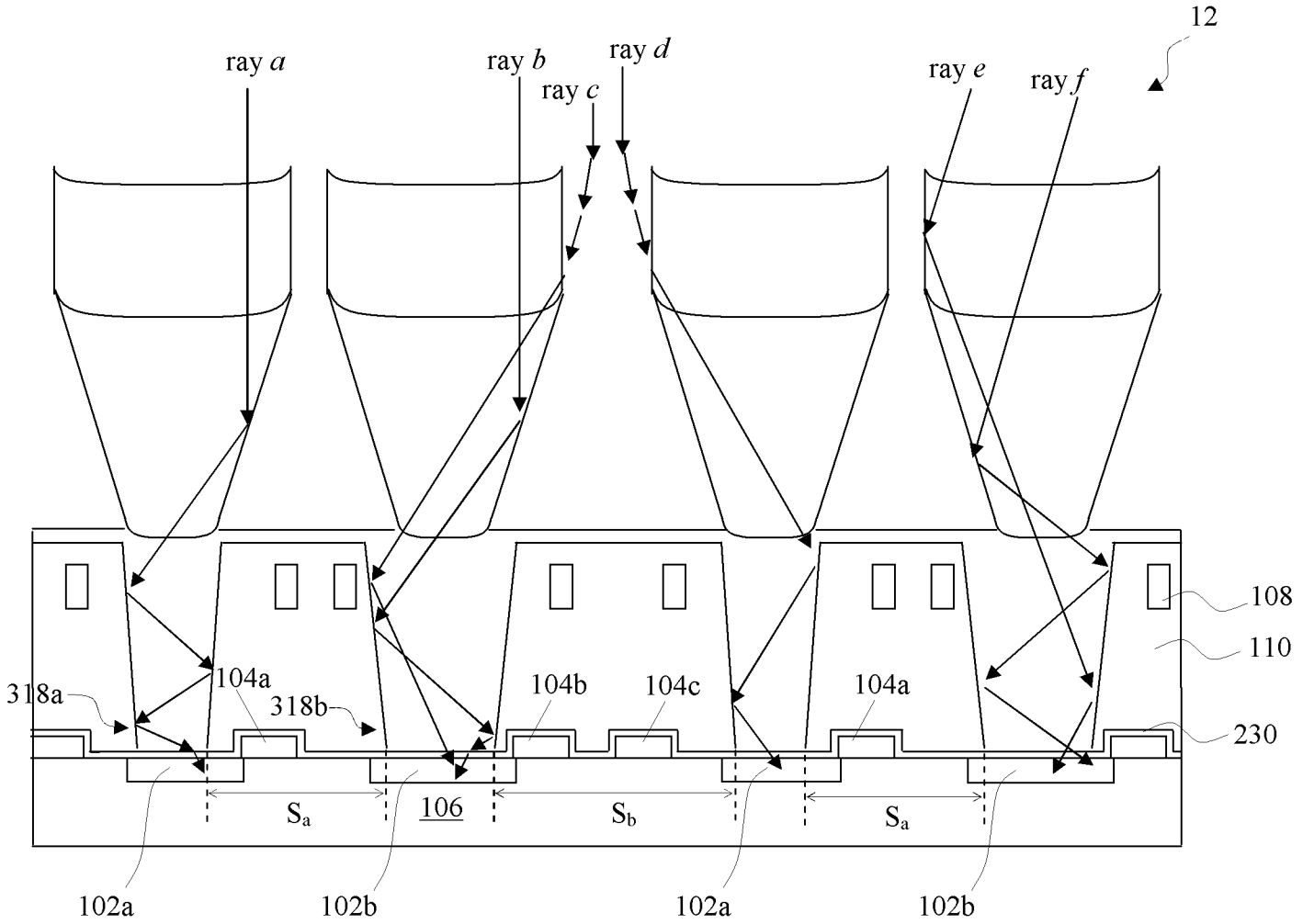

12
ray a
ray b
ray c
ray d
ray e
ray f
108
110
230
318a
104a
318b
104b
104c
104a
S_a
106
S_b
S_a
102a
102b
102a
102b

FIG. 1B

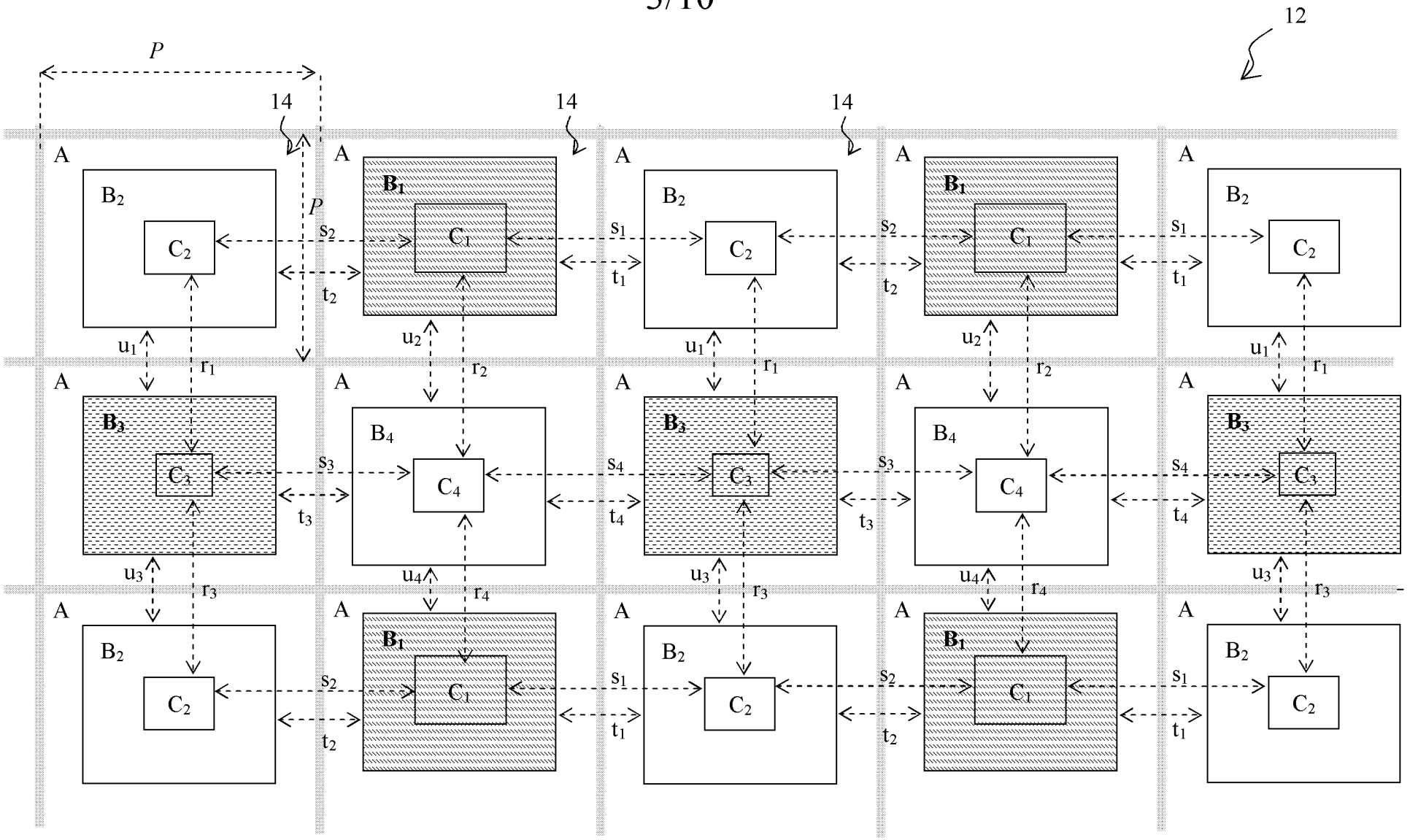

12
P
14
A
B2
C2
B1
C1
B3
C3
B4
C4
s1
s2
s3
s4
t1
t2
t3
t4
u1
u2
u3
u4
r1
r2
r3
r4

FIG. 2A

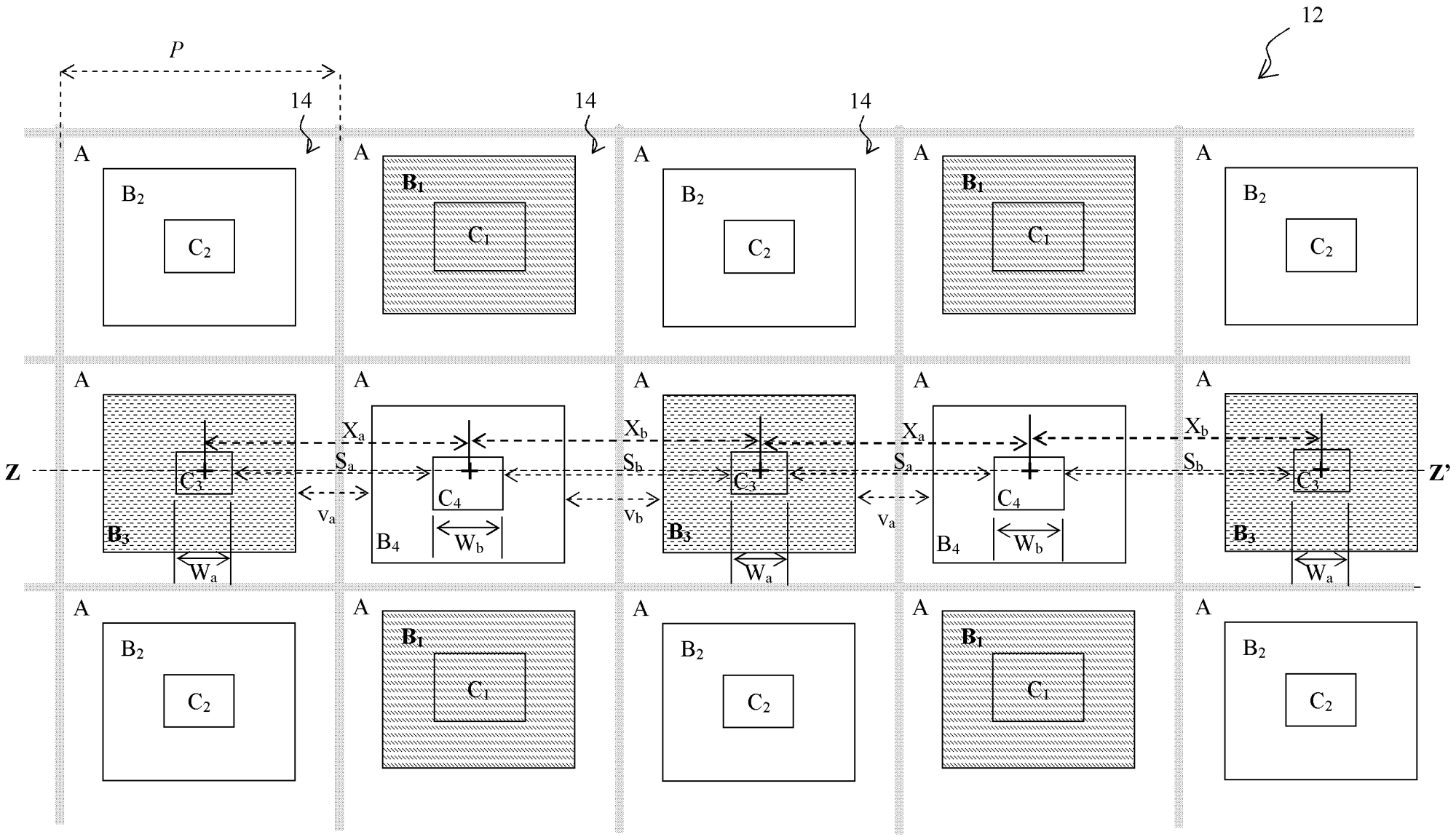


FIG. 2B

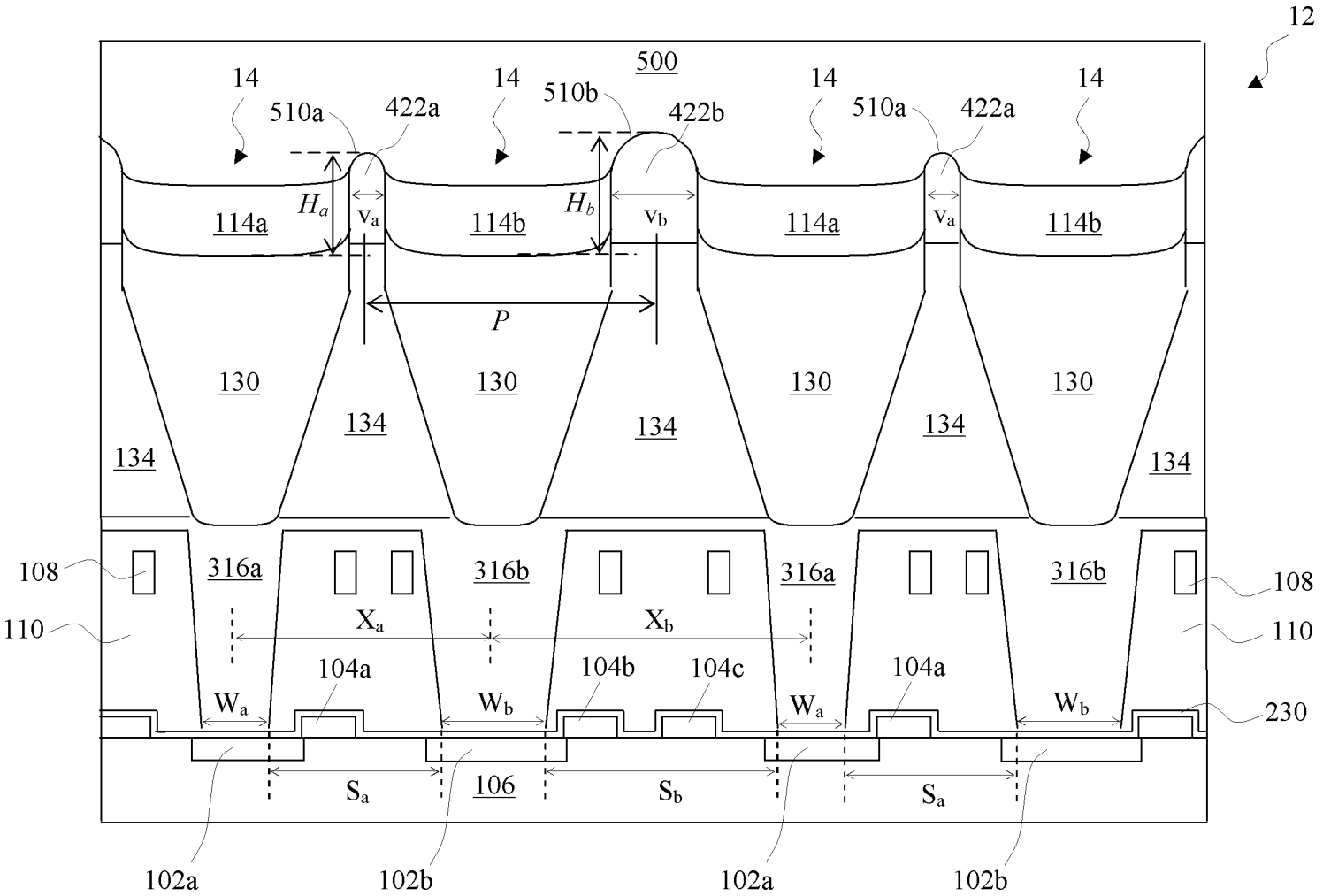

12
500
14
510a
422a
510b
422b
H_a
V_a
H_b
V_b
114a
114b
P
130
134
108
110
316a
316b
X_a
X_b
104a
104b
104c
W_a
W_b
230
106
S_a
S_b
102a
102b

FIG. 3

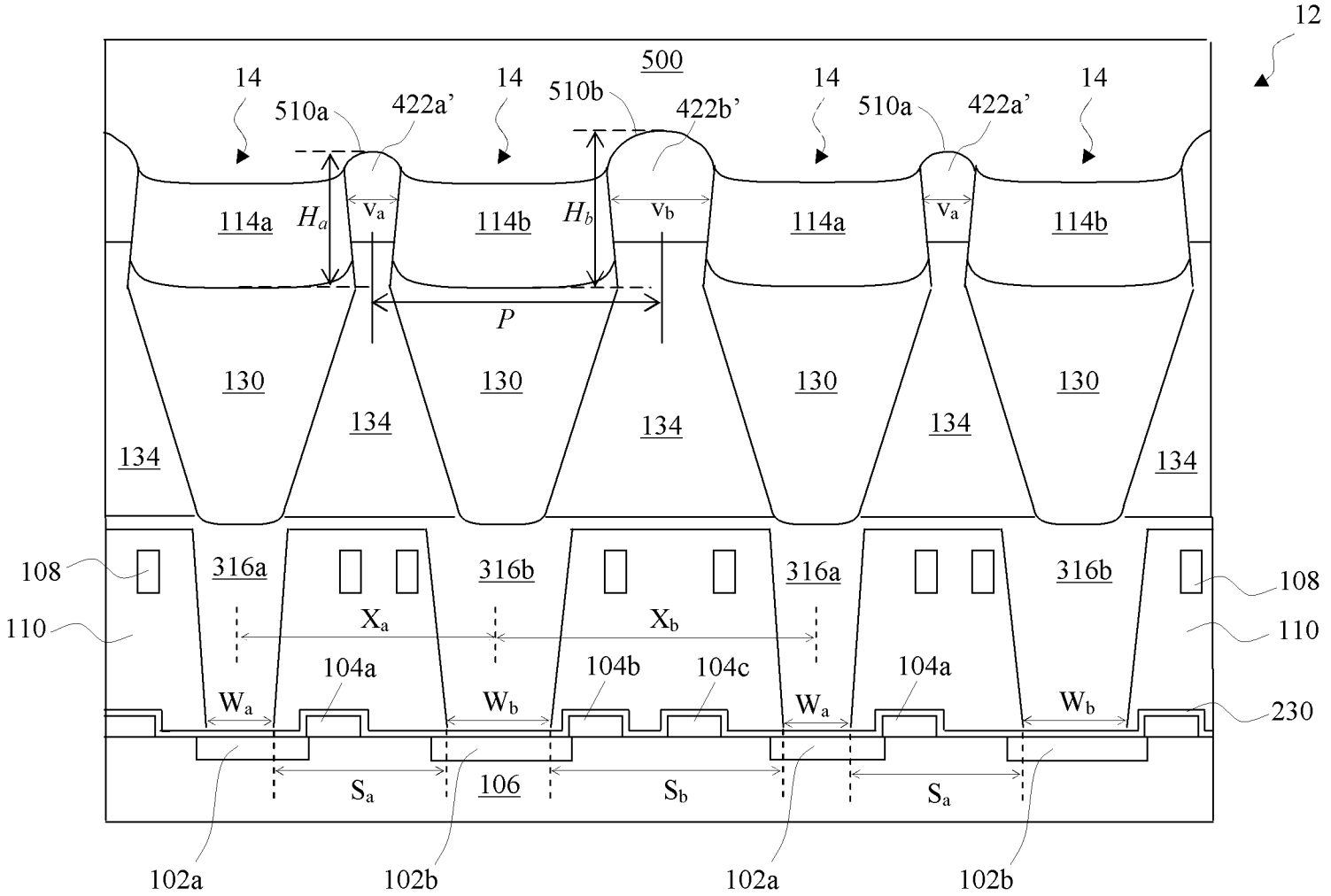

12
500
14
510a
422a'
510b
422b'
114a
114b
H_a
H_b
V_a
V_b
P
130
134
108
110
316a
316b
X_a
X_b
104a
104b
104c
W_a
W_b
230
106
S_a
S_b
102a
102b

FIG. 4

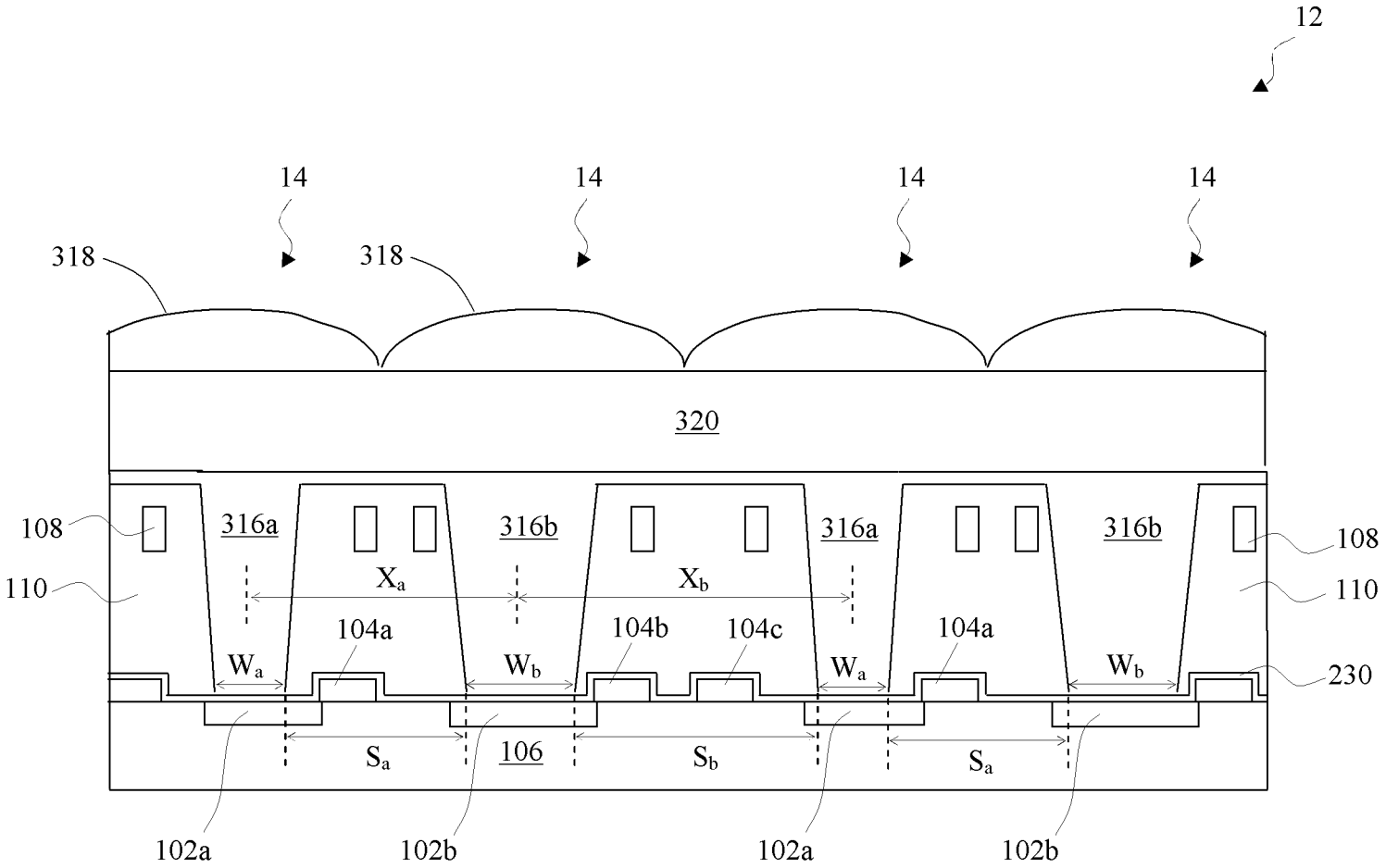

12
14
14
14
14
318
318
320
108
316a
316b
316a
316b
108
110
X_a
X_b
110
104a
104b
104c
104a
W_a
W_b
W_a
W_b
230
S_a
106
S_b
S_a
102a
102b
102a
102b

FIG. 5

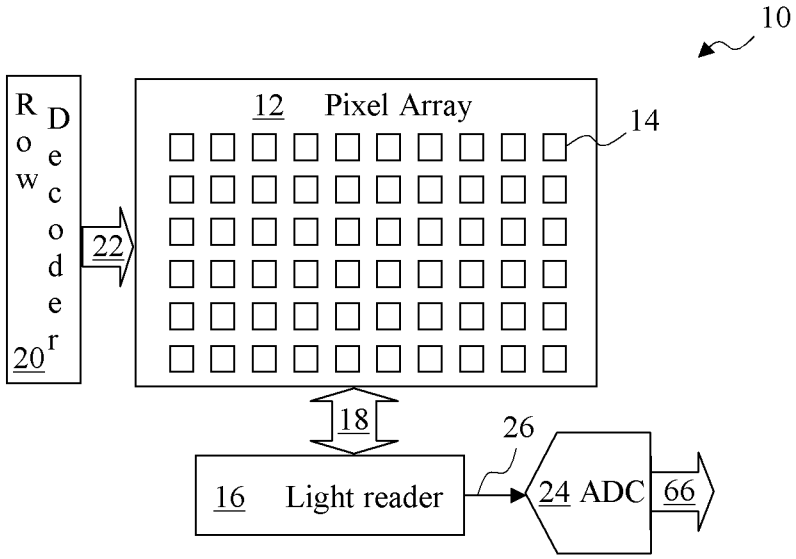

10
Row Decoder
20
22
12 Pixel Array
14
18
26
16 Light reader
24 ADC
66

FIG. 6

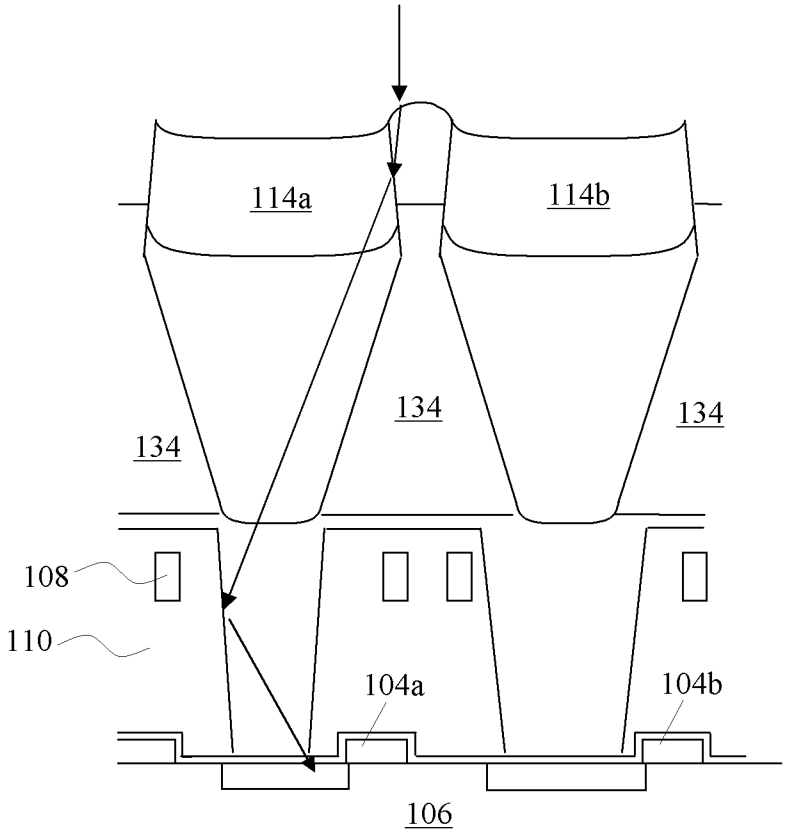

114a
114b
134
134
134
108
110
104a
104b
106

FIG. 7

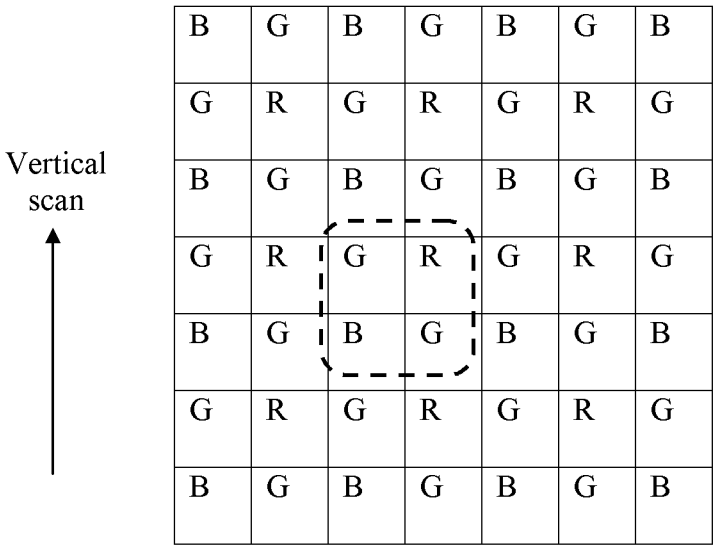

Vertical
scan
B G B G B G B
G R G R G R G
B G B G B G B
G R G R G R G
B G B G B G B
G R G R G R G
B G B G B G B

FIG. 8A

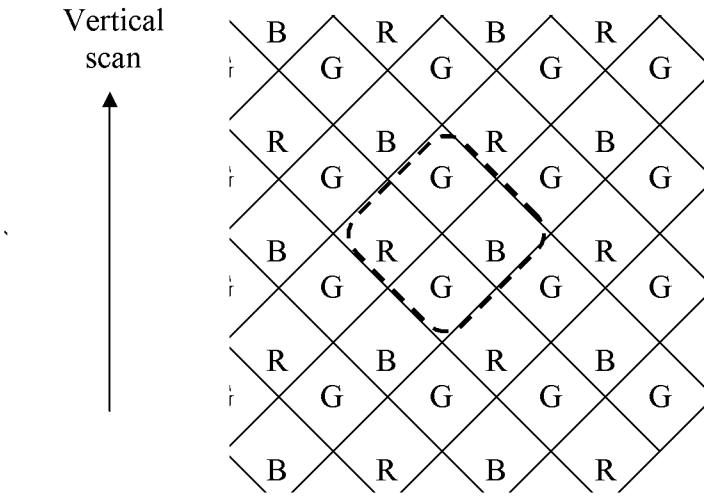

Vertical
scan
B R B R
G G G G
R B R B
G G G G
B R B R
G G G G
R B R B
G G G G
B R B R

FIG. 8B

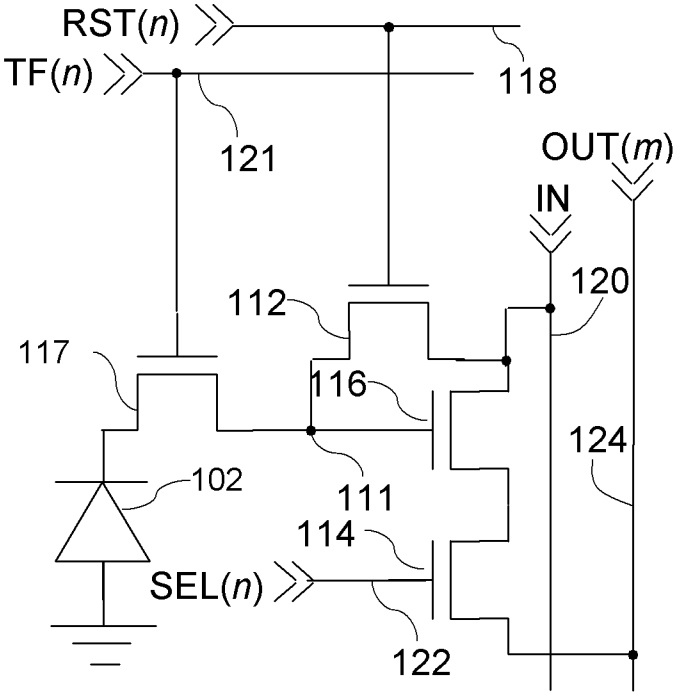

RST(n)
TF(n)
118
121
OUT(m)
IN
120
112
117
116
124
102
111
114
SEL(n)
122

FIG. 9

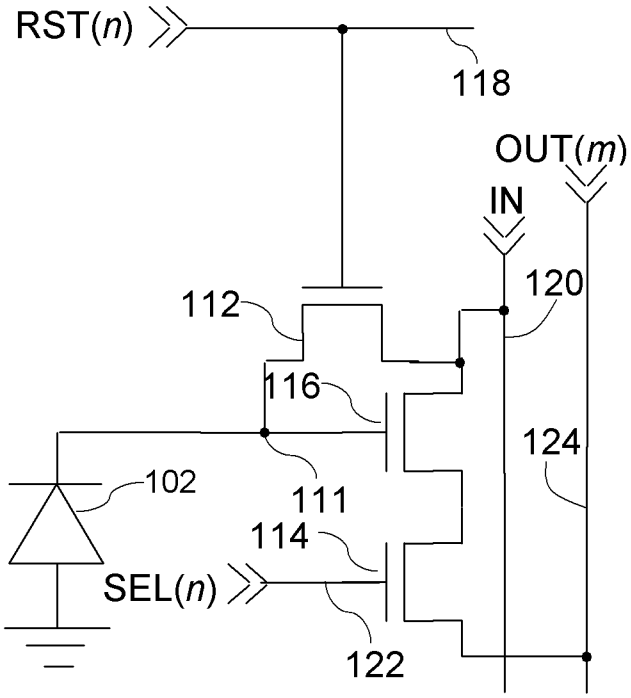

RST(n)
118
OUT(m)
IN
120
112
116
124
102
111
114
SEL(n)
122

FIG. 10