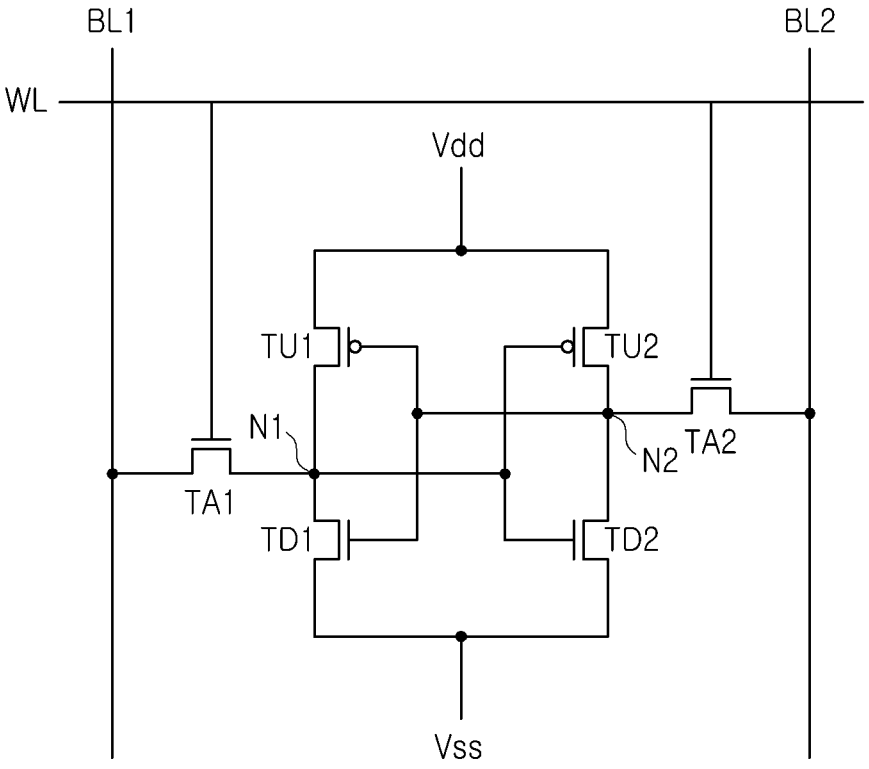


FIG. 1

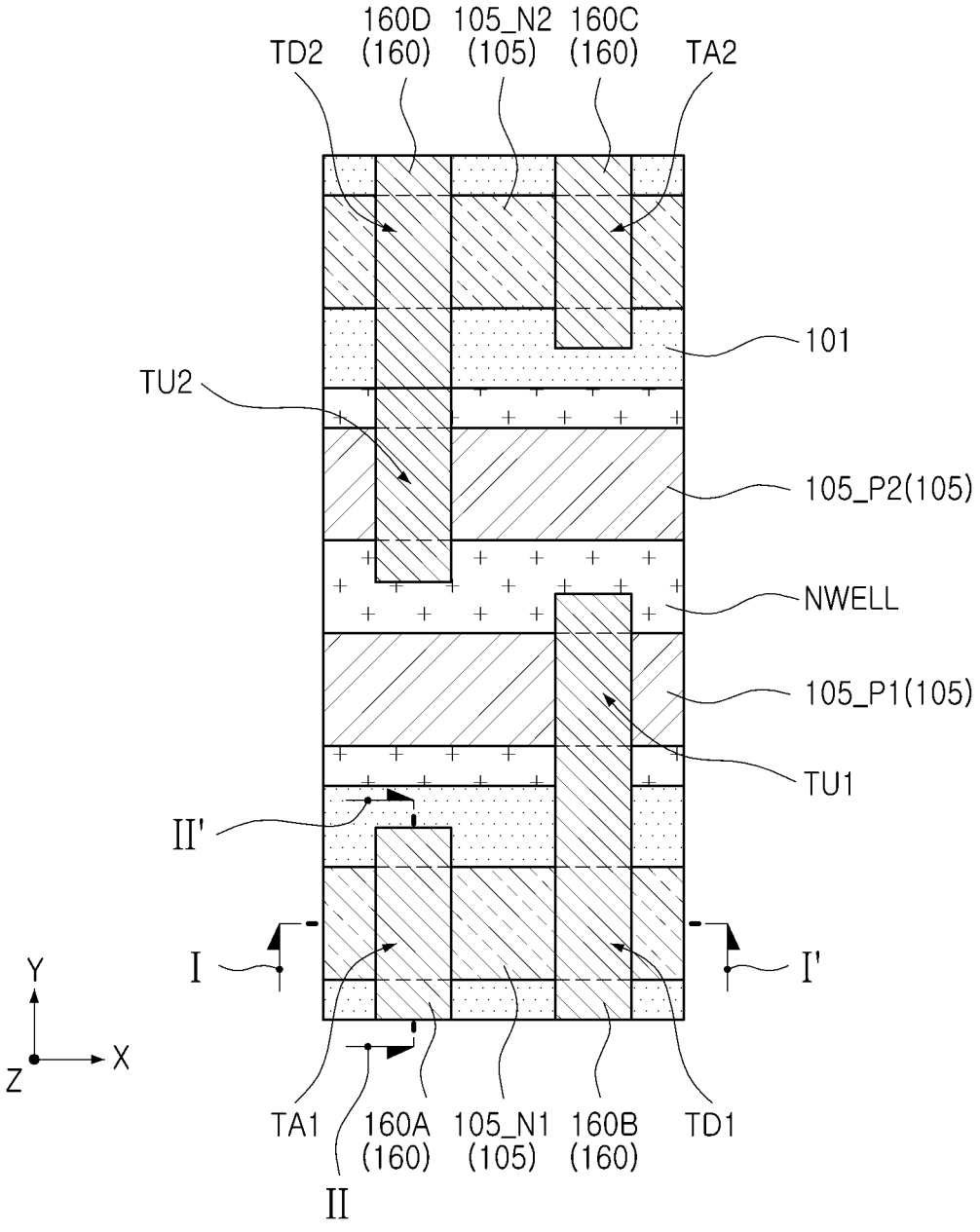

160D
(160)
105_N2
(105)
160C
(160)
TD2
TA2
101
TU2
105_P2(105)
NWELL
105_P1(105)
TU1
II'
I
I'
Y
X
Z
TA1
160A
(160)
105_N1
(105)
160B
(160)
TD1
II

FIG. 2

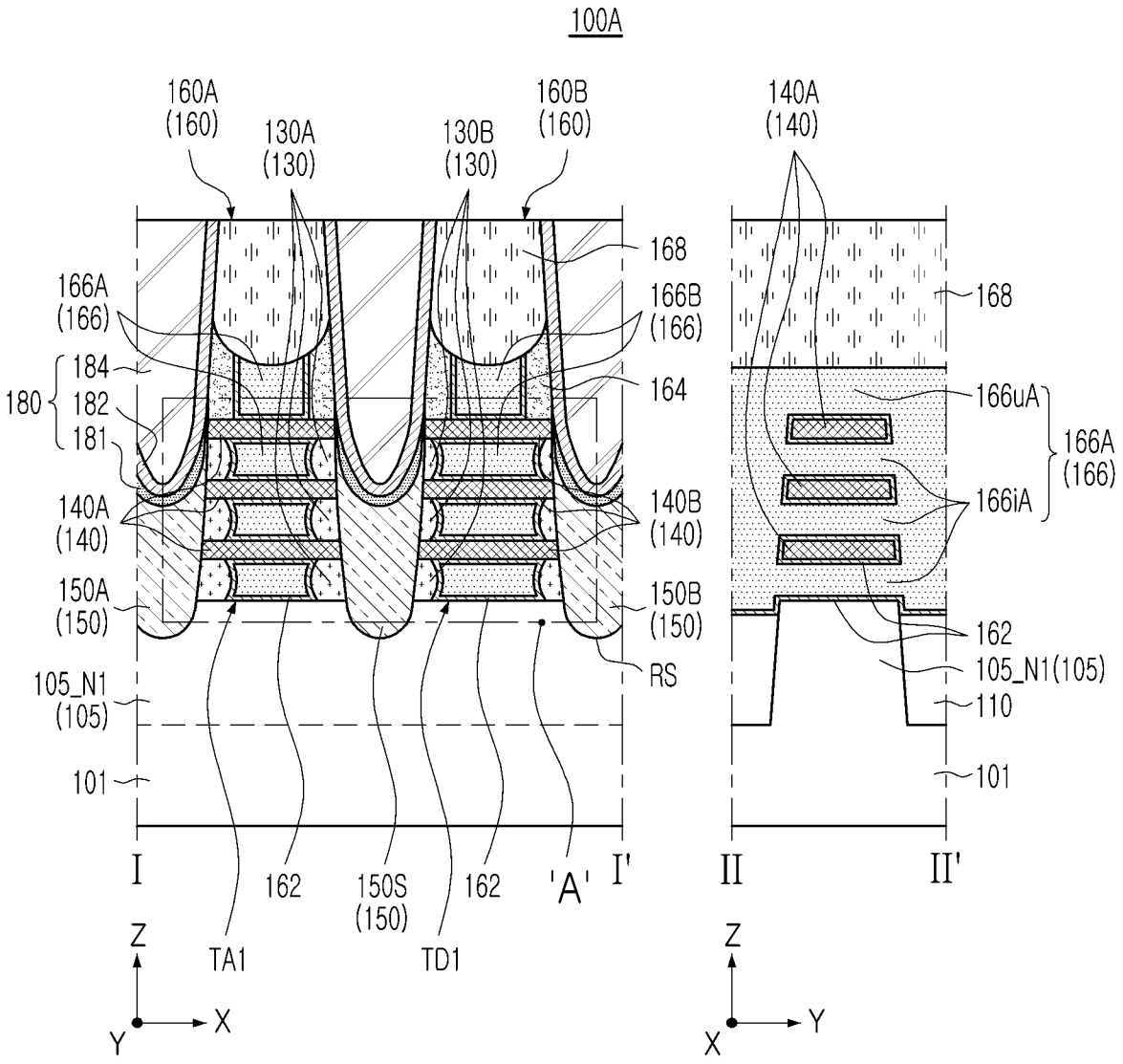

100A
160A
(160)
130A
(130)
130B
(130)
160B
(160)
140A
(140)
168
166A
(166)
166B
(166)
184
180
182
181
164
166uA
166A
(166)
166iA
140A
(140)
140B
(140)
150A
(150)
150B
(150)
162
105_N1
(105)
RS
105_N1(105)
110
101
101
I
162
150S
(150)
162
'A'
I'
II
II'
Z
TA1
TD1
X
Y
Z
X
Y

FIG. 3A

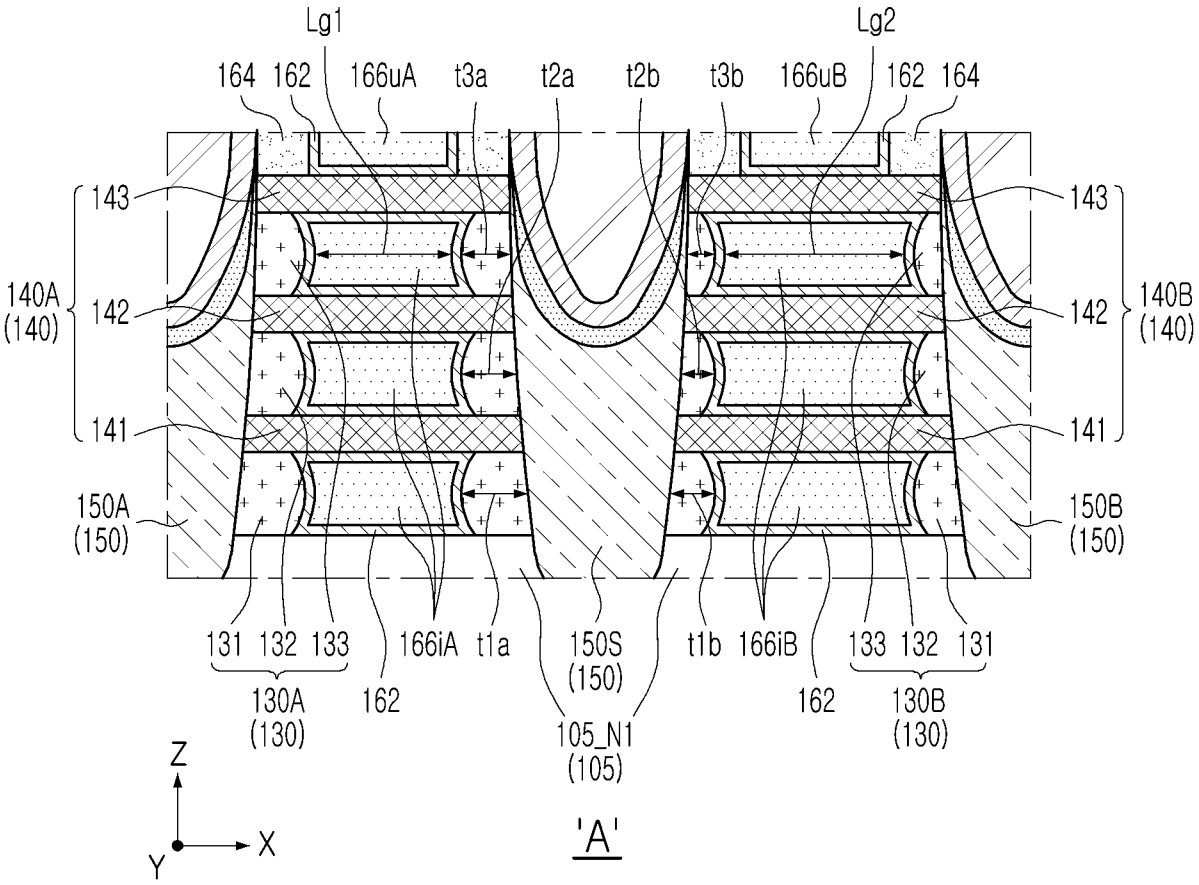

Lg1
Lg2
164
162
166uA
t3a
t2a
t2b
t3b
166uB
162
164
143
142
141
140A
(140)
140B
(140)
150A
(150)
150B
(150)
131
132
133
166iA
t1a
150S
(150)
t1b
166iB
133
132
131
130A
(130)
162
105_N1
(105)
162
130B
(130)
Z
X
Y
'A'

FIG. 3B

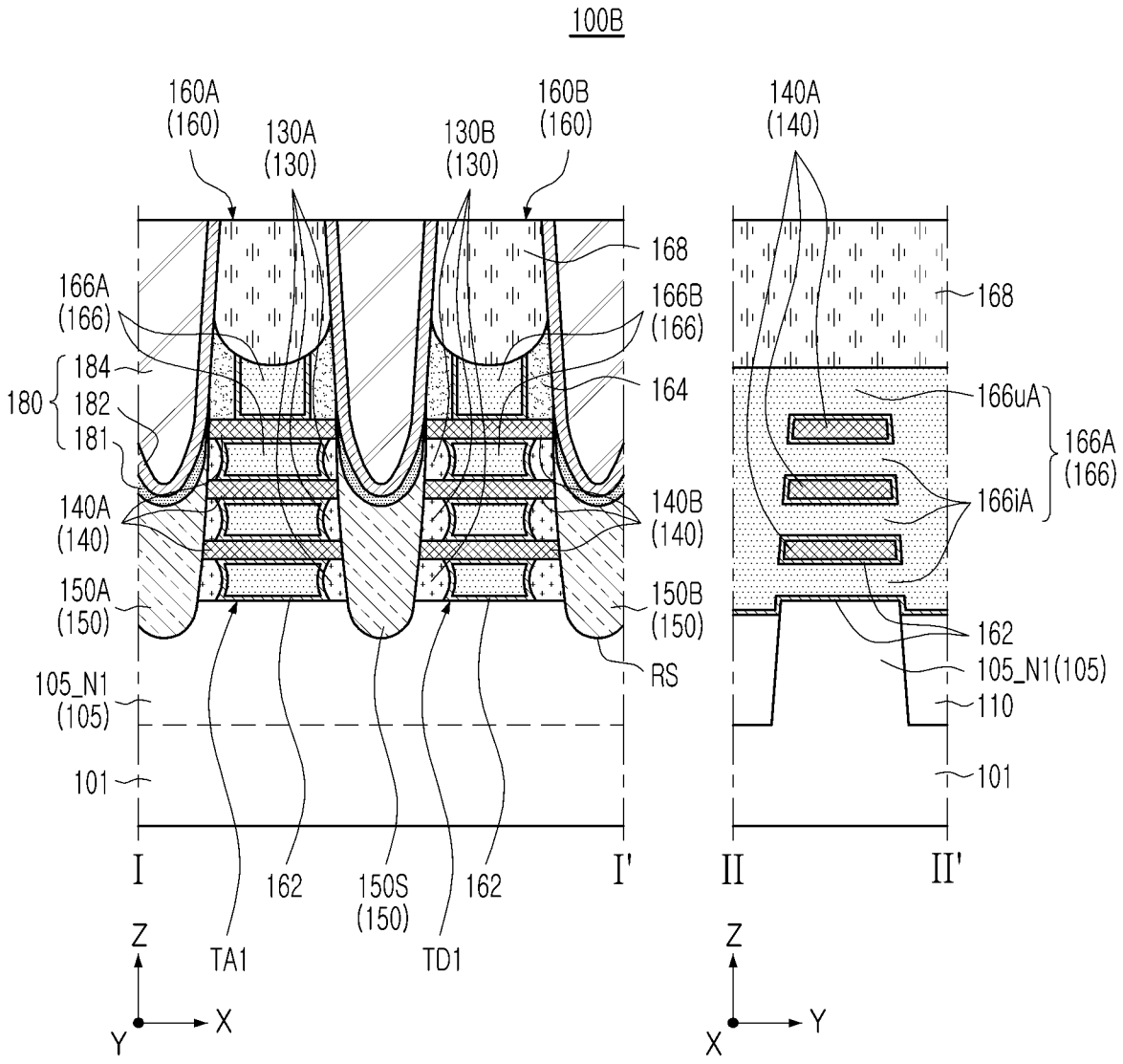

100B
160A
(160)
130A
(130)
130B
(130)
160B
(160)
140A
(140)
168
166A
(166)
166B
(166)
184
180
182
181
164
166uA
166A
(166)
166iA
140A
(140)
140B
(140)
150A
(150)
150B
(150)
162
RS
105_N1
(105)
105_N1(105)
110
101
I
I'
162
150S
(150)
162
II
II'
Z
TA1
TD1
X
Y
Z
Y
X

FIG. 3C

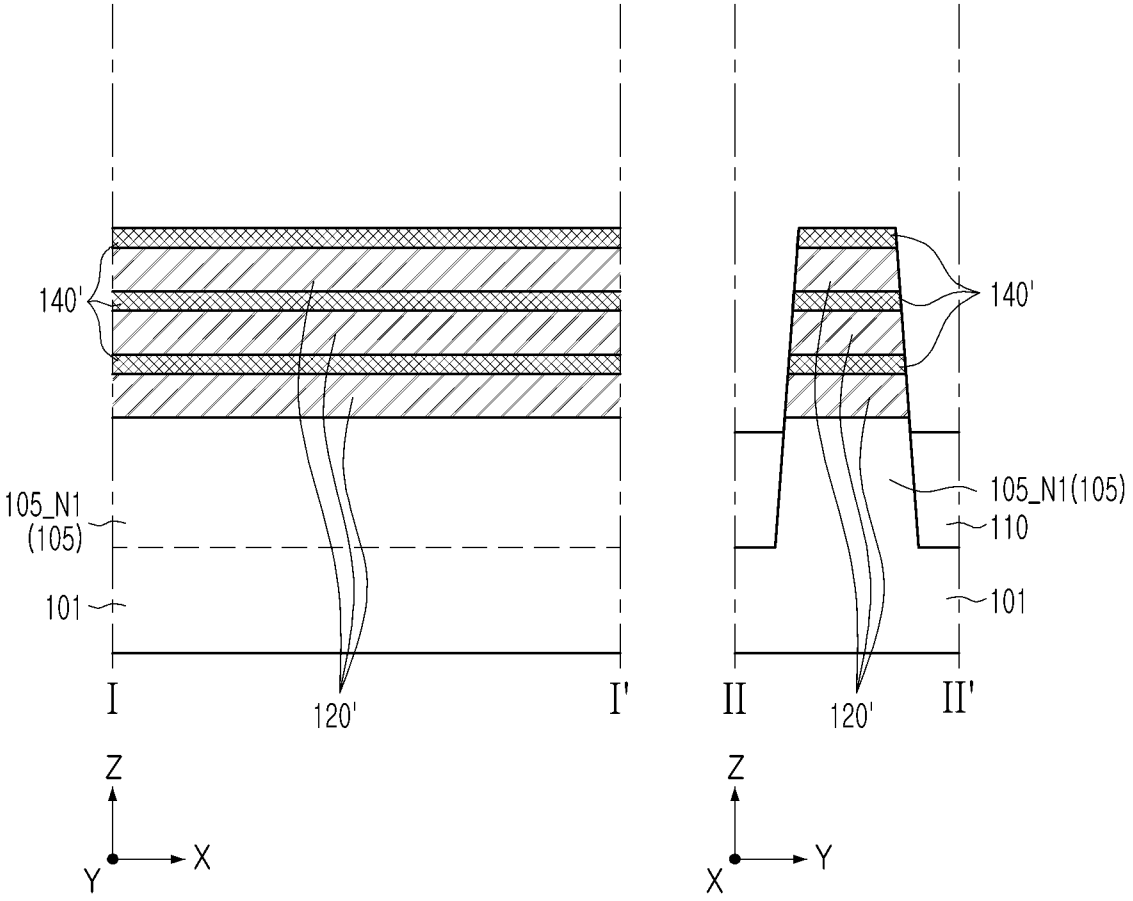


FIG. 4

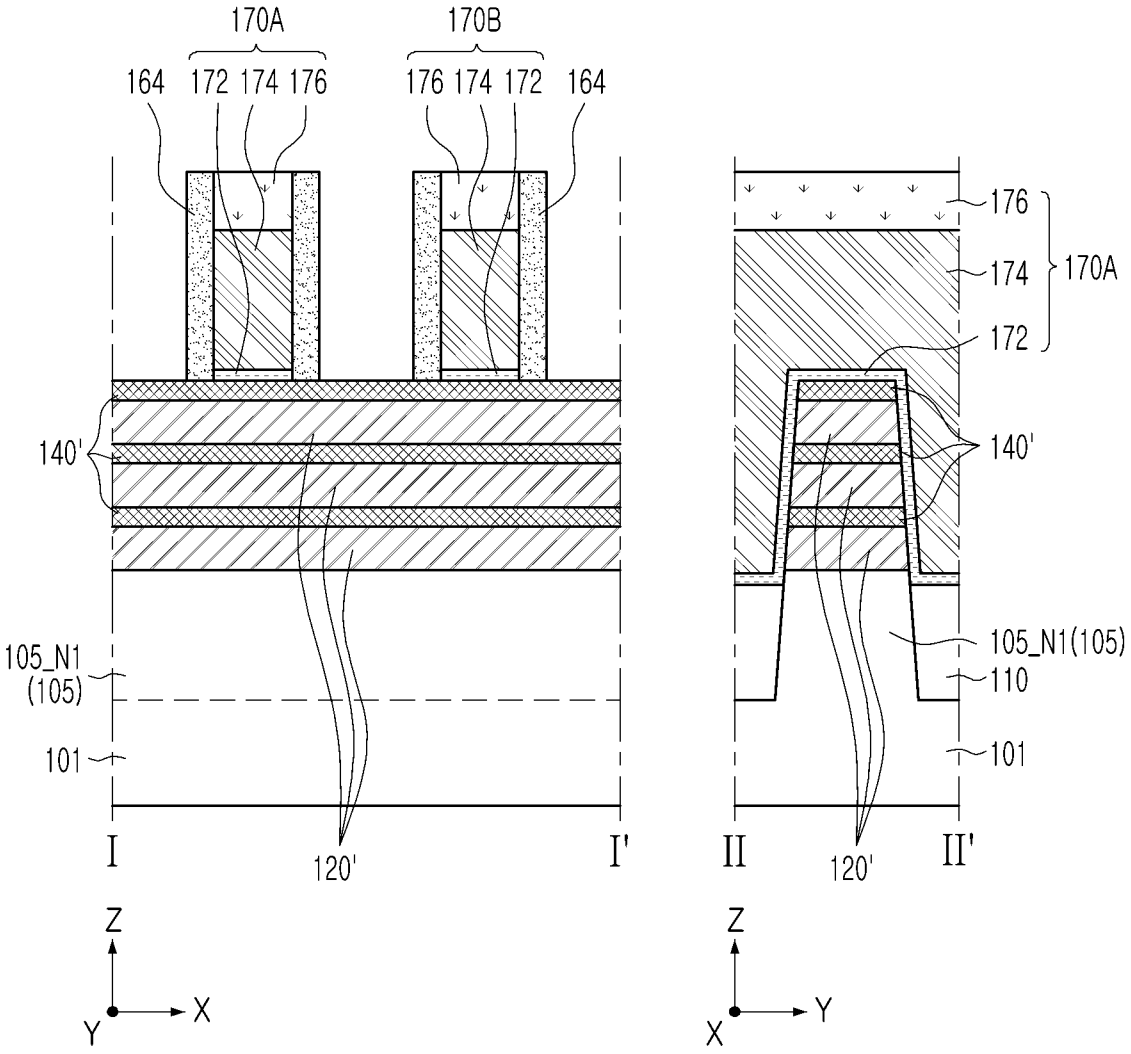

170A
170B
164
172
174
176
176
174
172
164
140'
105_N1
(105)
101
I
120'
I'
Z
X
Y
176
174
170A
172
140'
105_N1(105)
110
101
II
120'
II'
Z
Y
X

FIG. 5

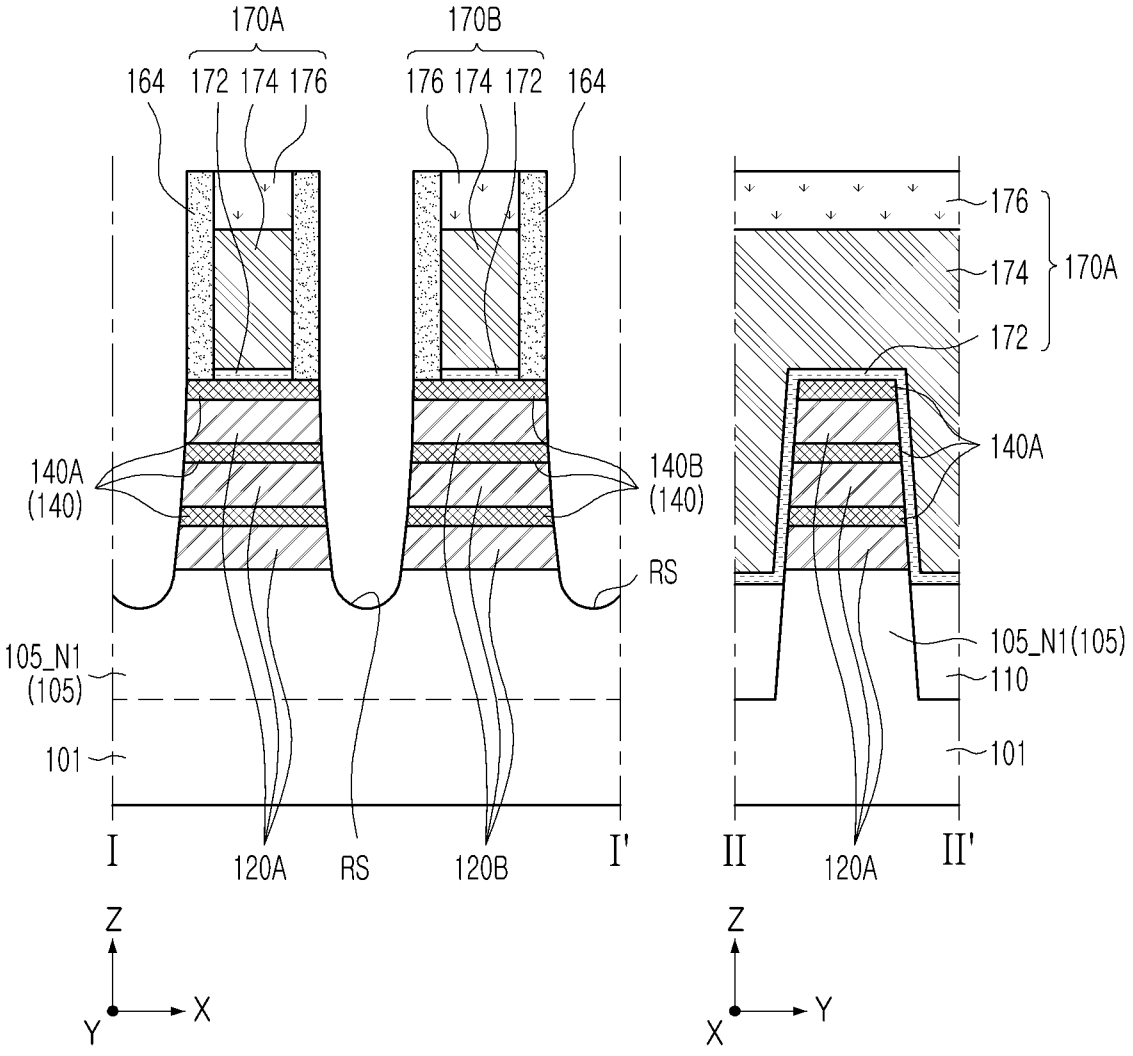

170A
170B
164
172
174
176
176
174
172
164
140A
(140)
140B
(140)
RS
105_N1
(105)
101
I
120A
RS
120B
I'
Z
X
Y
176
174
170A
172
140A
105_N1(105)
110
101
II
120A
II'
Z
Y
X

FIG. 6

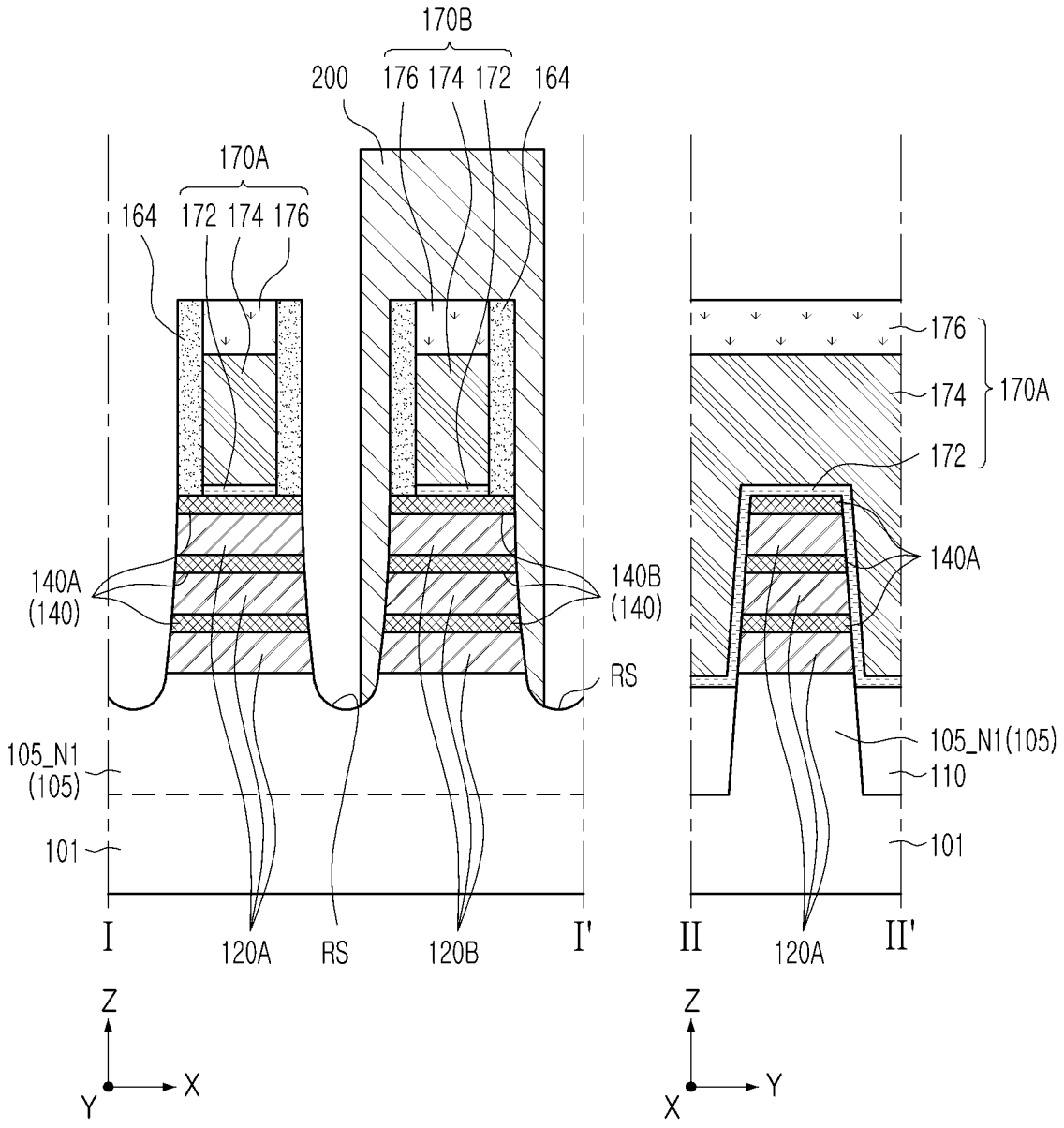

170B
200
176 174 172
164
170A
164 172 174 176
140A
(140)
140B
(140)
RS
105_N1
(105)
101
I
120A
RS
120B
I'
Z
X
Y
176
174
170A
172
140A
105_N1(105)
110
101
II
120A
II'
Z
Y
X

FIG. 7

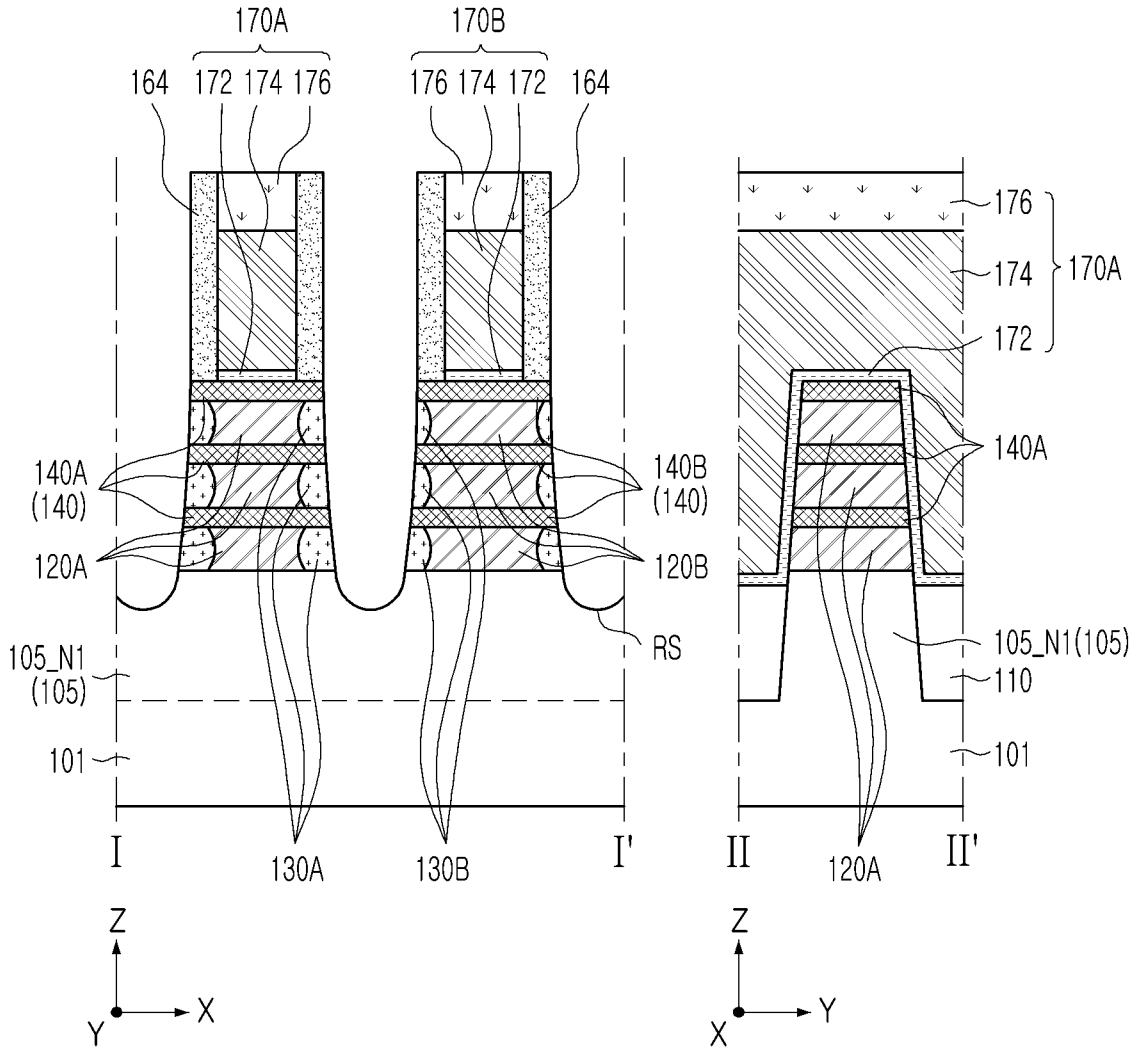

170A
170B
164
172
174
176
176
174
172
164
140A
(140)
140B
(140)
120A
120B
RS
105_N1
(105)
101
I
130A
130B
I'
Z
Y
X
176
174
172
170A
140A
105_N1(105)
110
101
II
120A
II'
Z
X
Y

FIG. 8

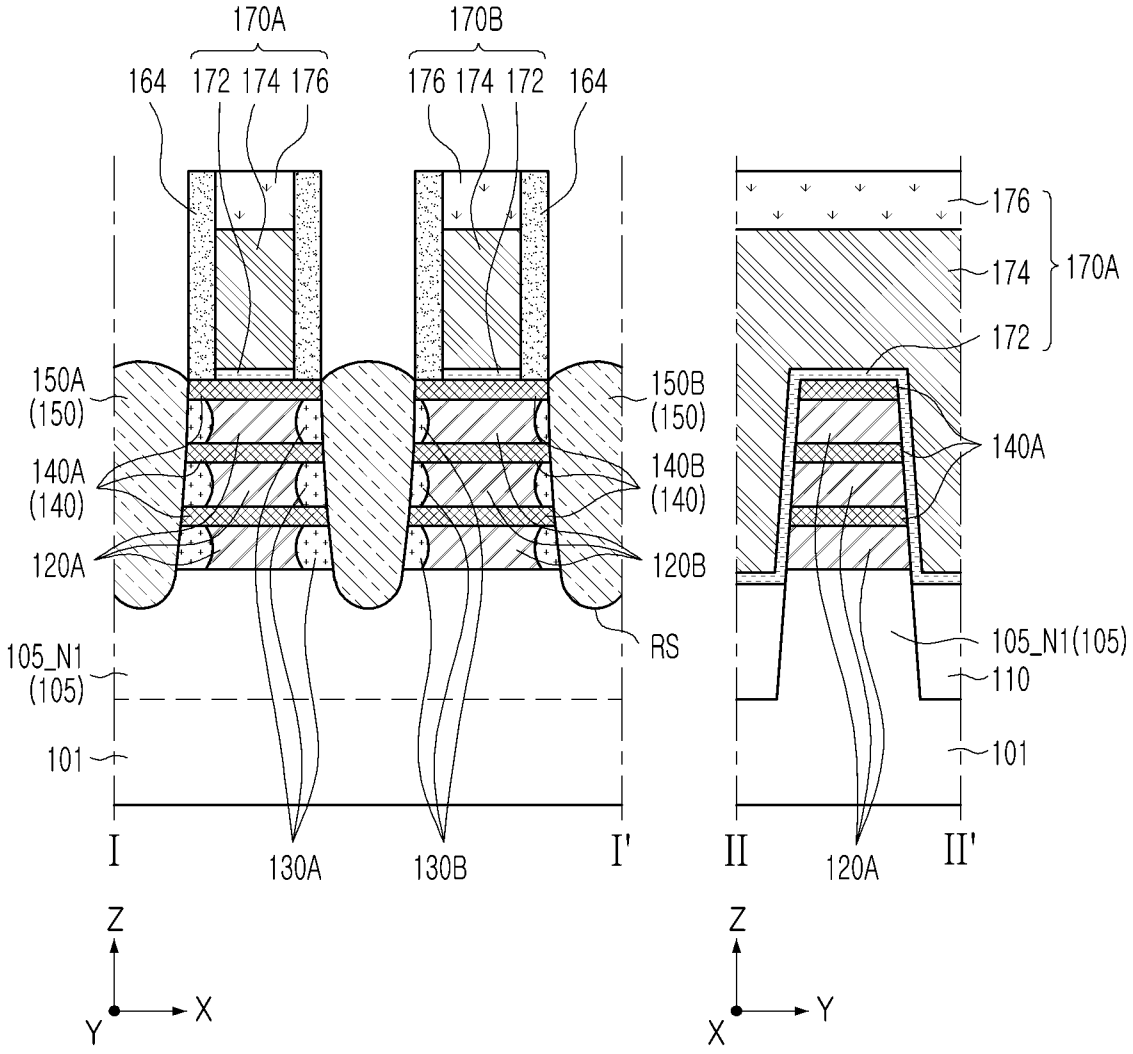

170A
170B
164
172
174
176
176
174
172
164
150A
(150)
150B
(150)
140A
(140)
140B
(140)
120A
120B
RS
105_N1
(105)
101
I
130A
130B
I'
Z
X
Y
176
174
172
170A
140A
105_N1(105)
110
101
II
120A
II'
Z
Y
X

FIG. 9

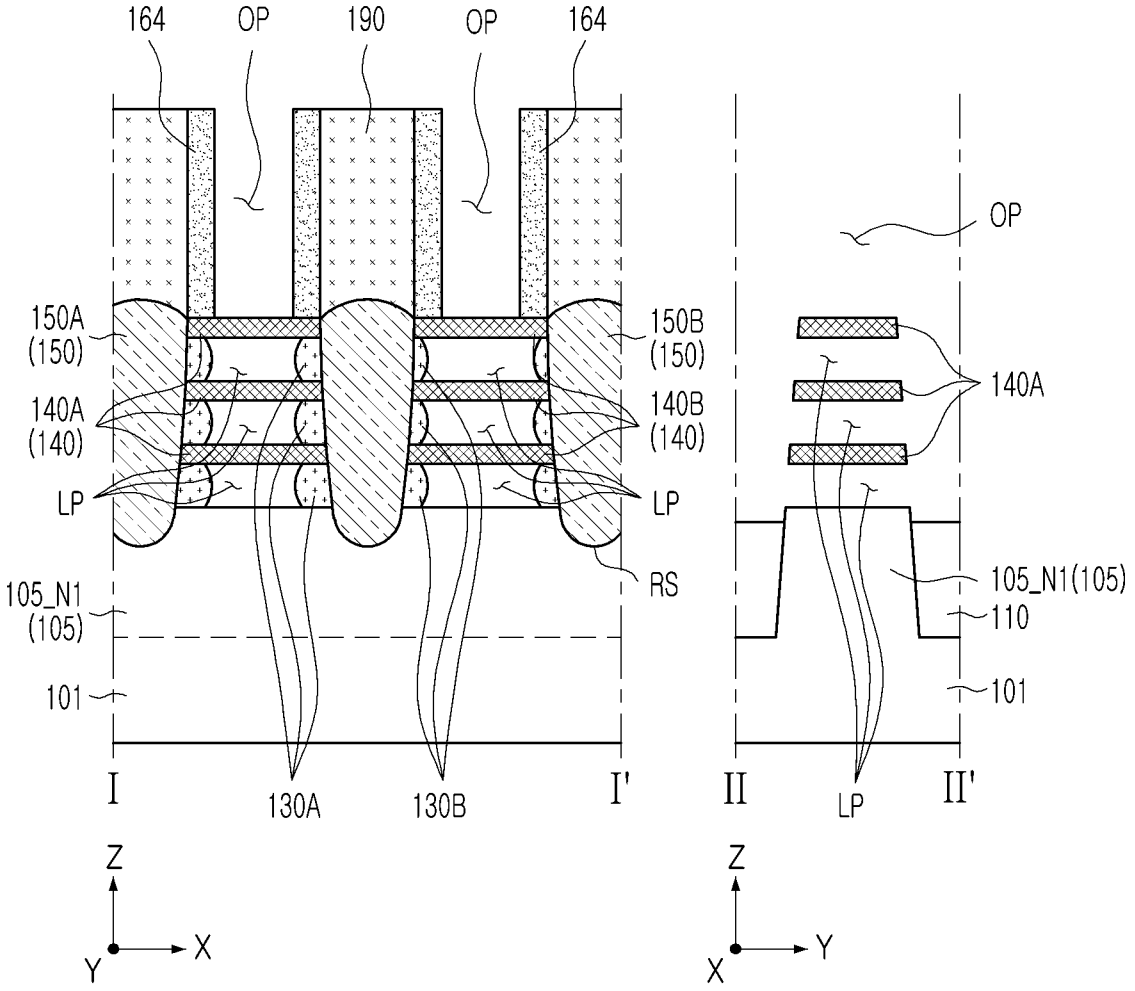

164
OP
190
OP
164
150A
(150)
140A
(140)
LP
105_N1
(105)
101
150B
(150)
140B
(140)
LP
RS
I
130A
130B
I'
Z
X
Y
OP
140A
105_N1(105)
110
101
II
LP
II'
Z
Y
X

FIG. 10

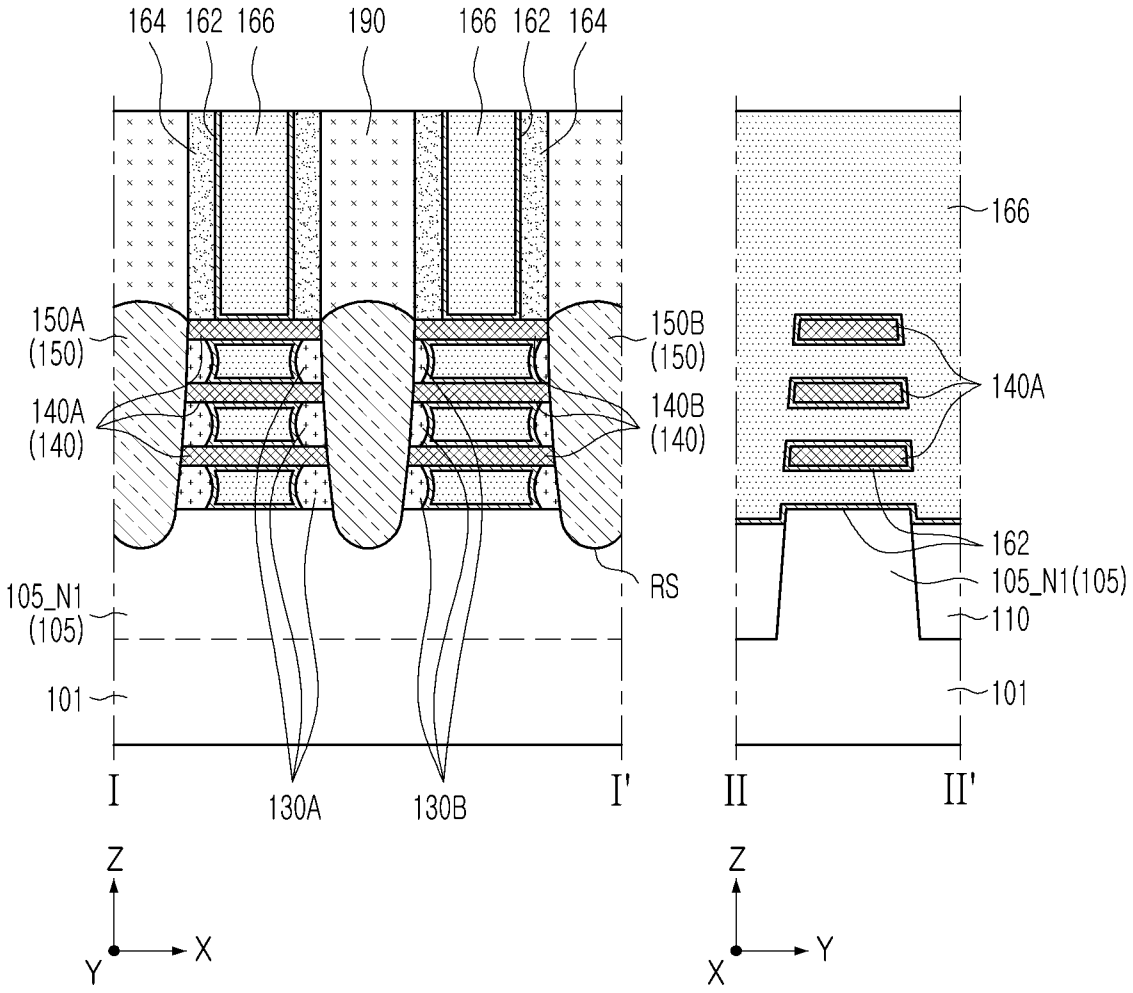

164
162
166
190
166
162
164
150A
(150)
140A
(140)
105_N1
(105)
101
150B
(150)
140B
(140)
RS
I
130A
130B
I'
Z
X
Y
166
140A
162
105_N1(105)
110
101
II
II'
Z
Y
X

FIG. 11

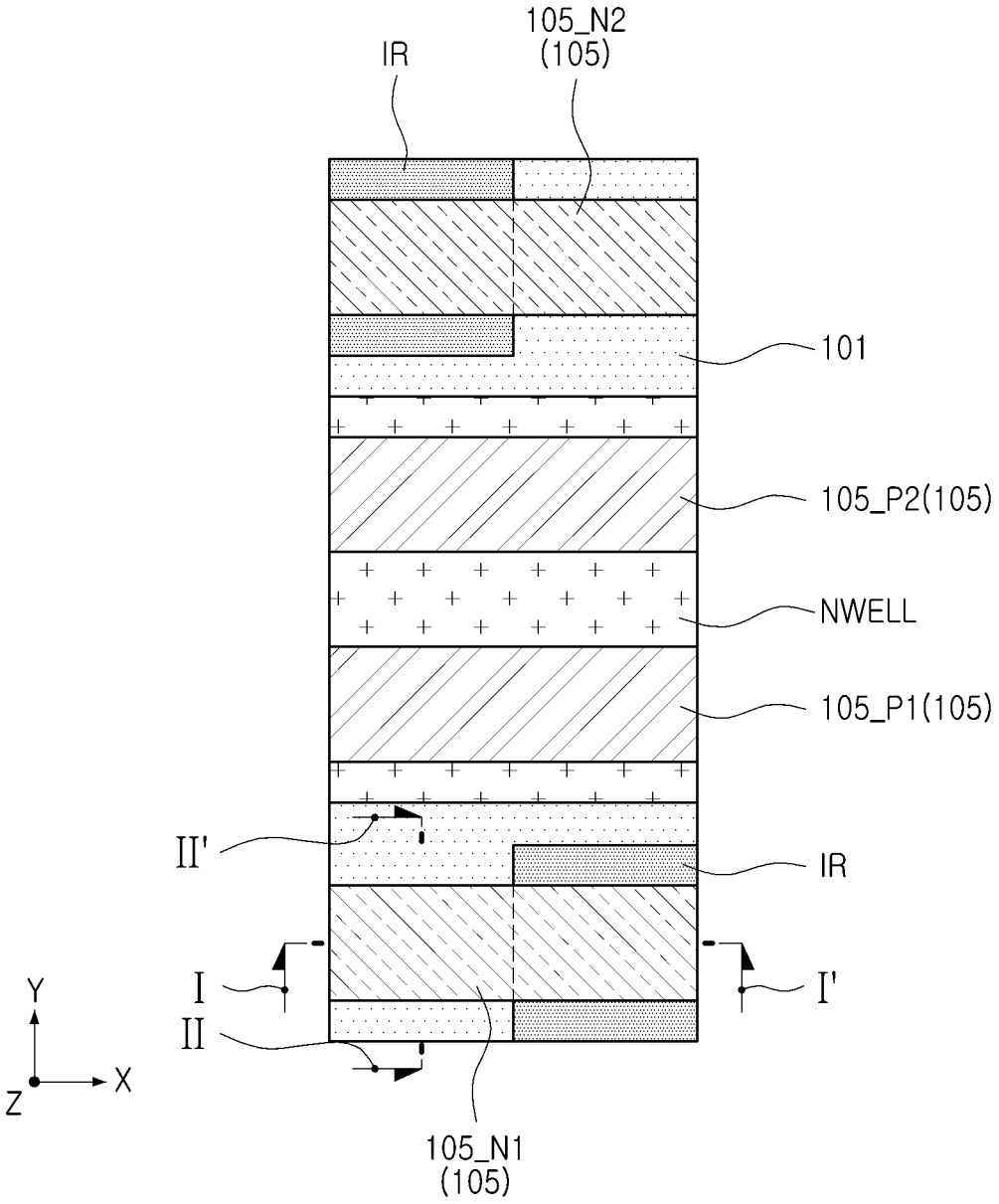

IR
105_N2
(105)
101
105_P2(105)
NWELL
105_P1(105)
II'
IR
I
I'
II
Y
X
Z
105_N1
(105)

FIG. 12

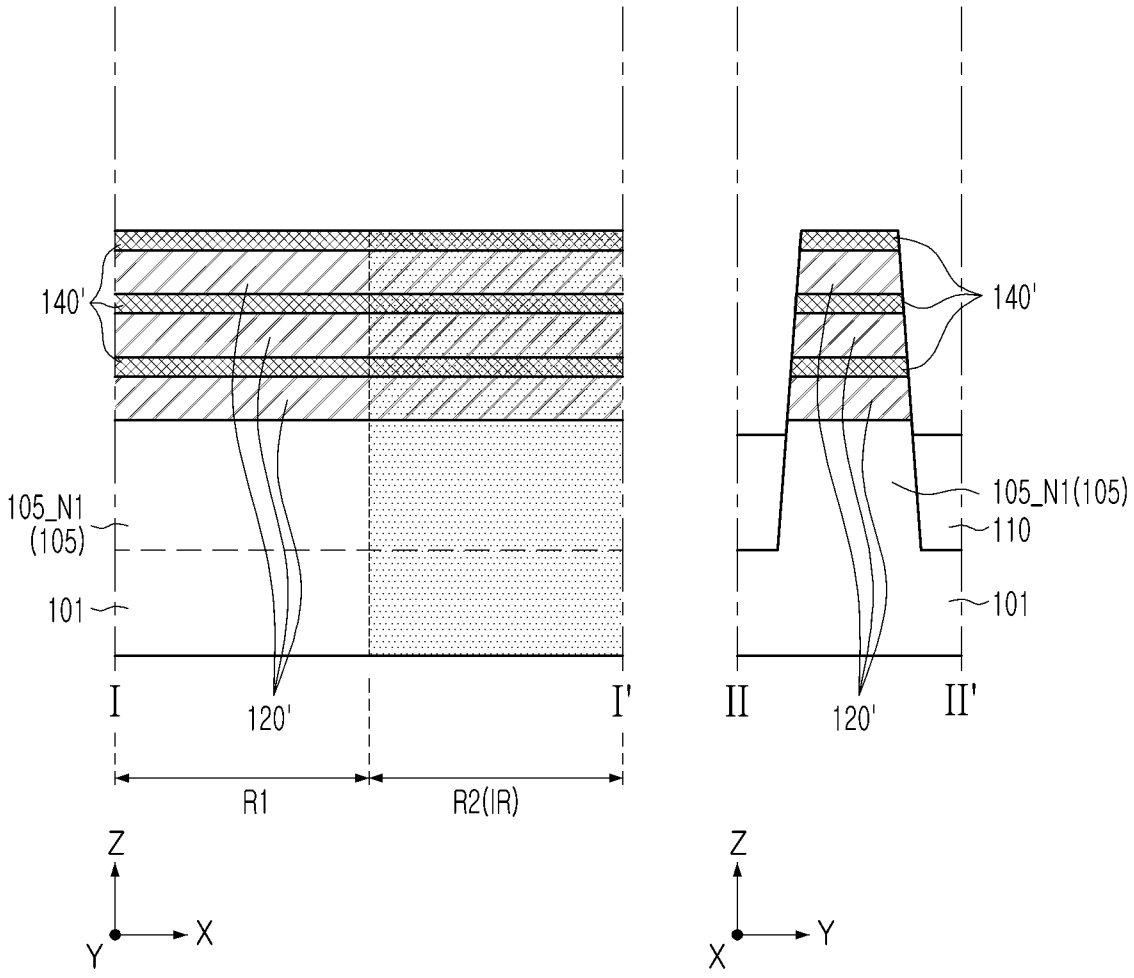

140'
105_N1
(105)
101
I
120'
I'
R1
R2(IR)
Z
X
Y
140'
105_N1(105)
110
101
II
120'
II'
Z
Y
X

FIG. 13

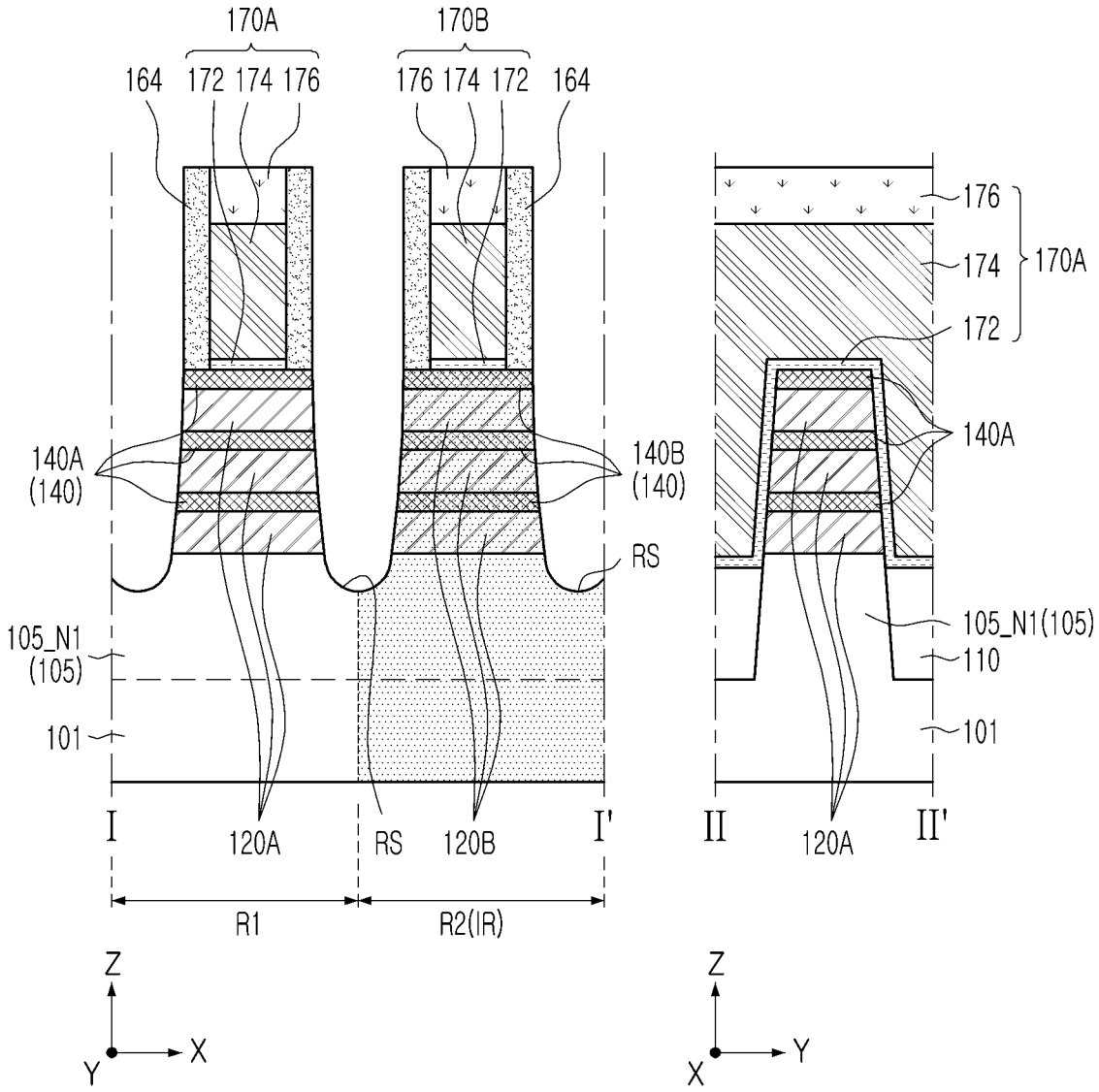

170A
170B
164
172
174
176
176
174
172
164
140A
(140)
140B
(140)
RS
105_N1
(105)
101
I
120A
RS
120B
I'
R1
R2(IR)
Z
X
Y
176
174
170A
172
140A
105_N1(105)
110
101
II
120A
II'
Z
Y
X

FIG. 14

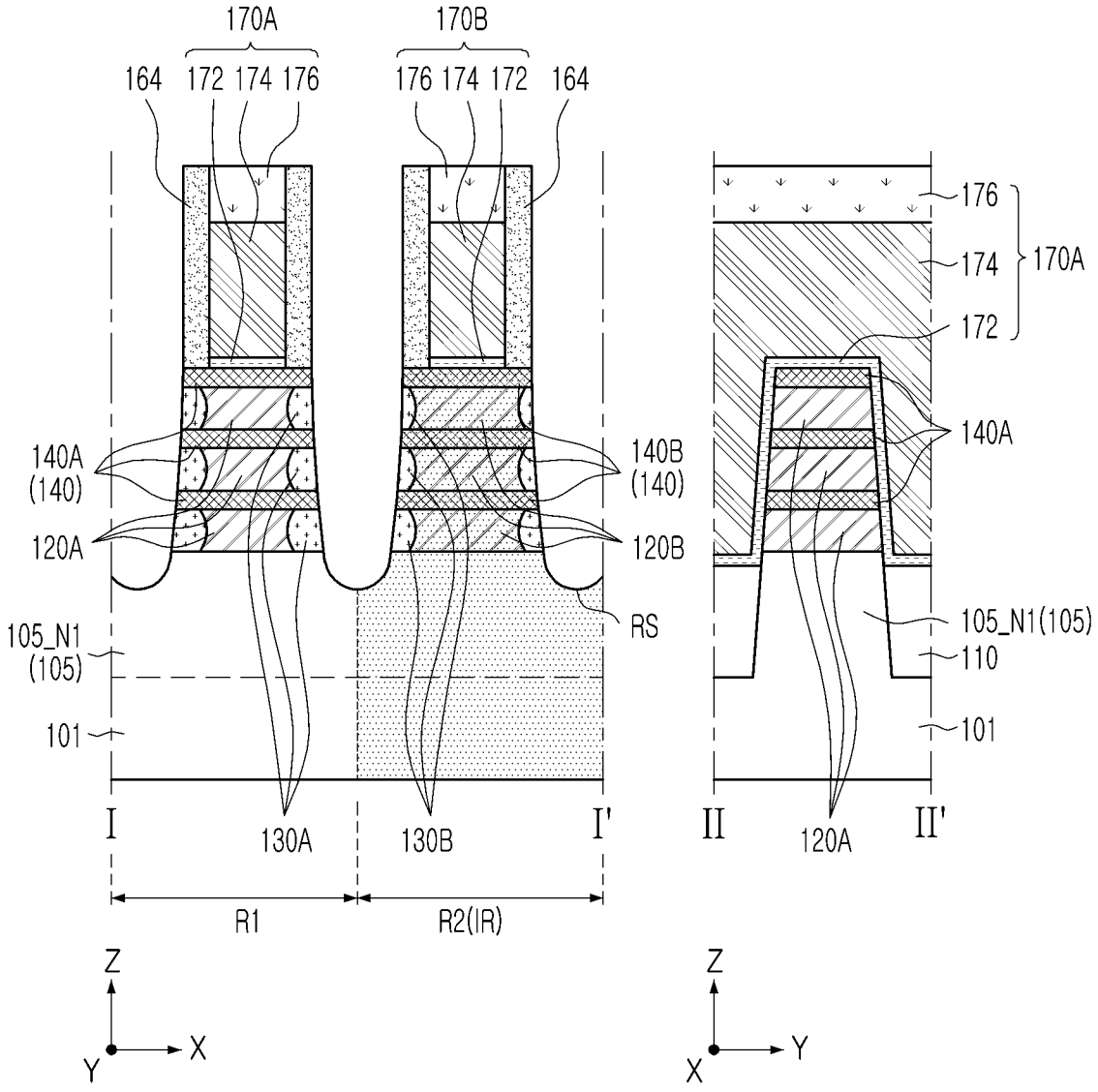

170A
170B
164
172
174
176
176
174
172
164
140A
(140)
140B
(140)
120A
120B
RS
105_N1
(105)
101
I
130A
130B
I'
R1
R2(IR)
Z
X
Y
176
174
170A
172
140A
105_N1(105)
110
101
II
120A
II'
Z
Y
X

FIG. 15