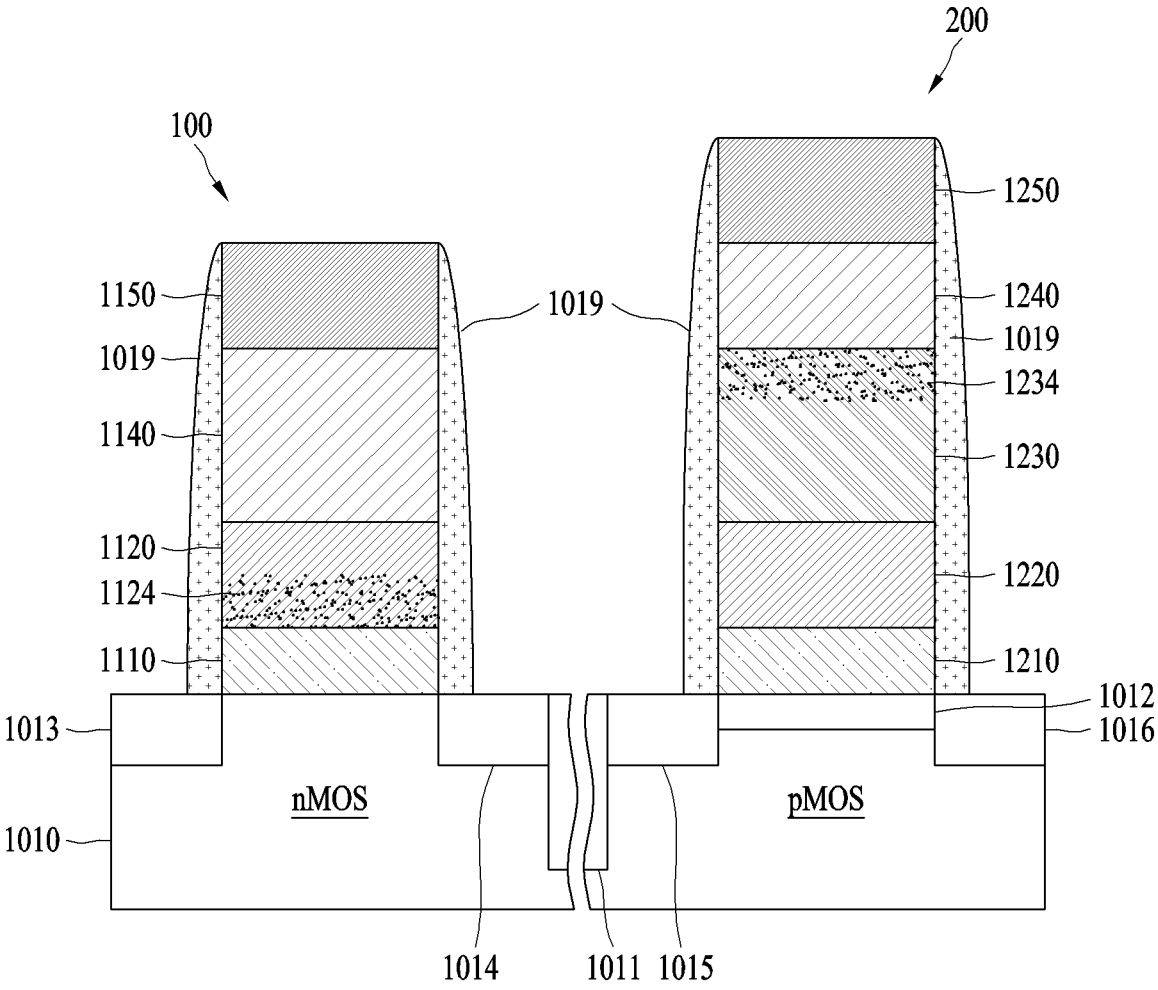

200
100
1250
1150
1019
1240
1019
1019
1234
1140
1230
1120
1220
1124
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 1

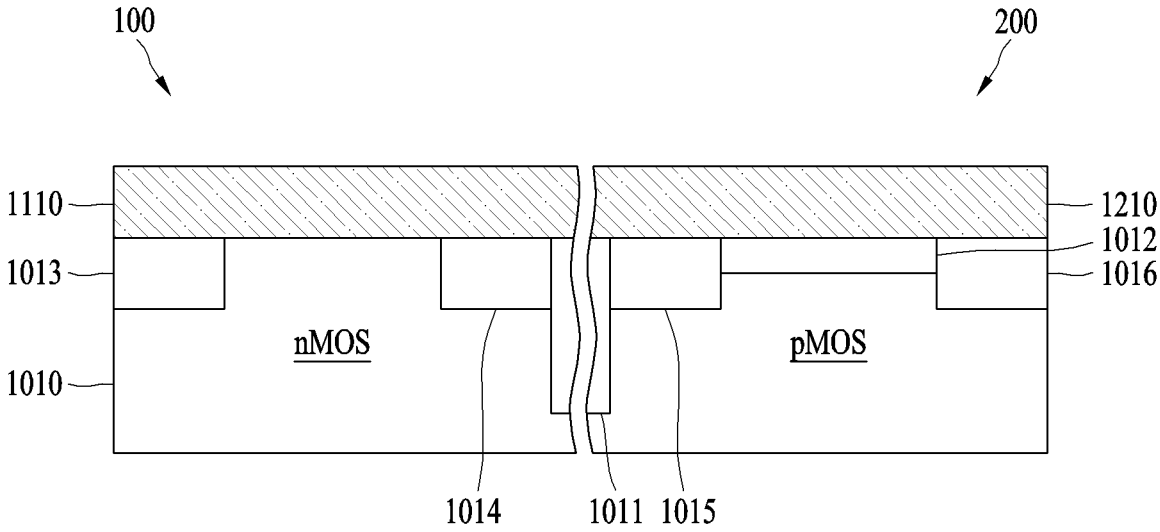

100
200
1110
1013
1010
1210
1012
1016
nMOS
pMOS
1014
1011
1015

FIG. 2

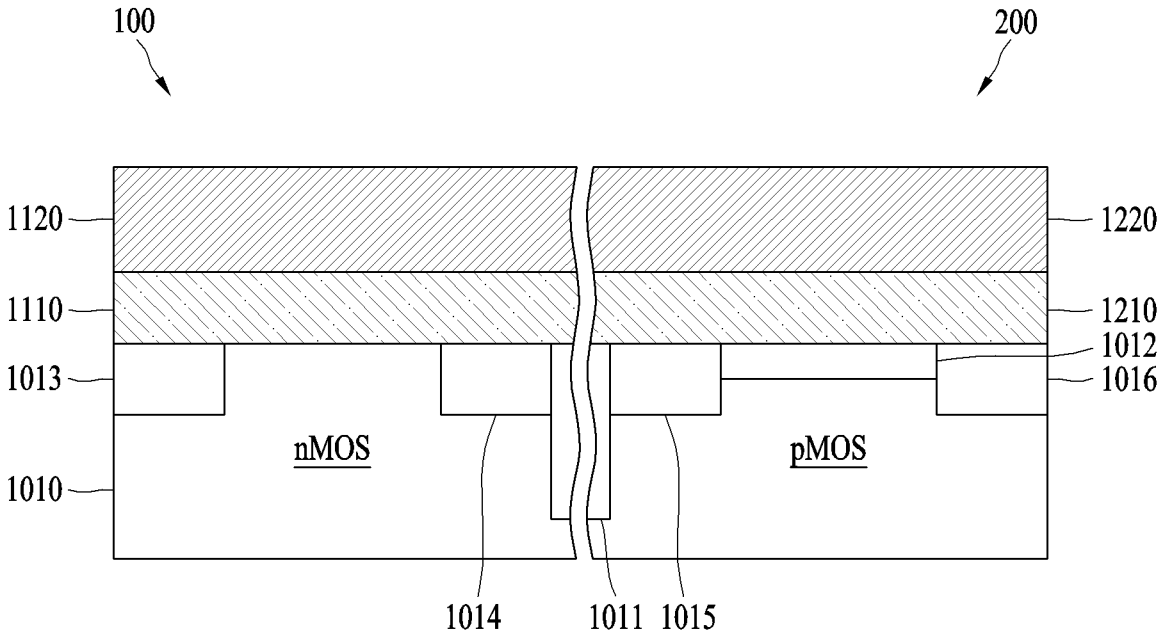

100
200
1120
1110
1013
1010
1220
1210
1012
1016
nMOS
pMOS
1014
1011
1015

FIG. 3

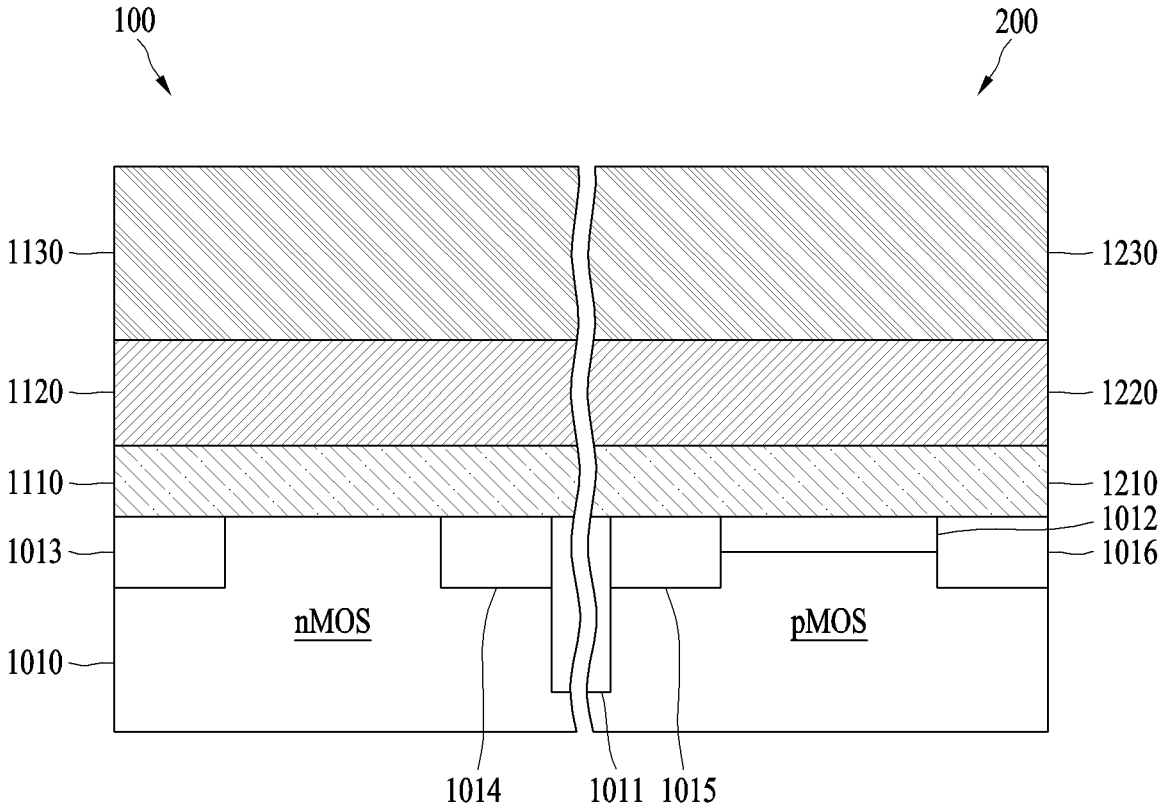

100
200
1130
1120
1110
1013
1010
1230
1220
1210
1012
1016
nMOS
pMOS
1014
1011
1015

FIG. 4

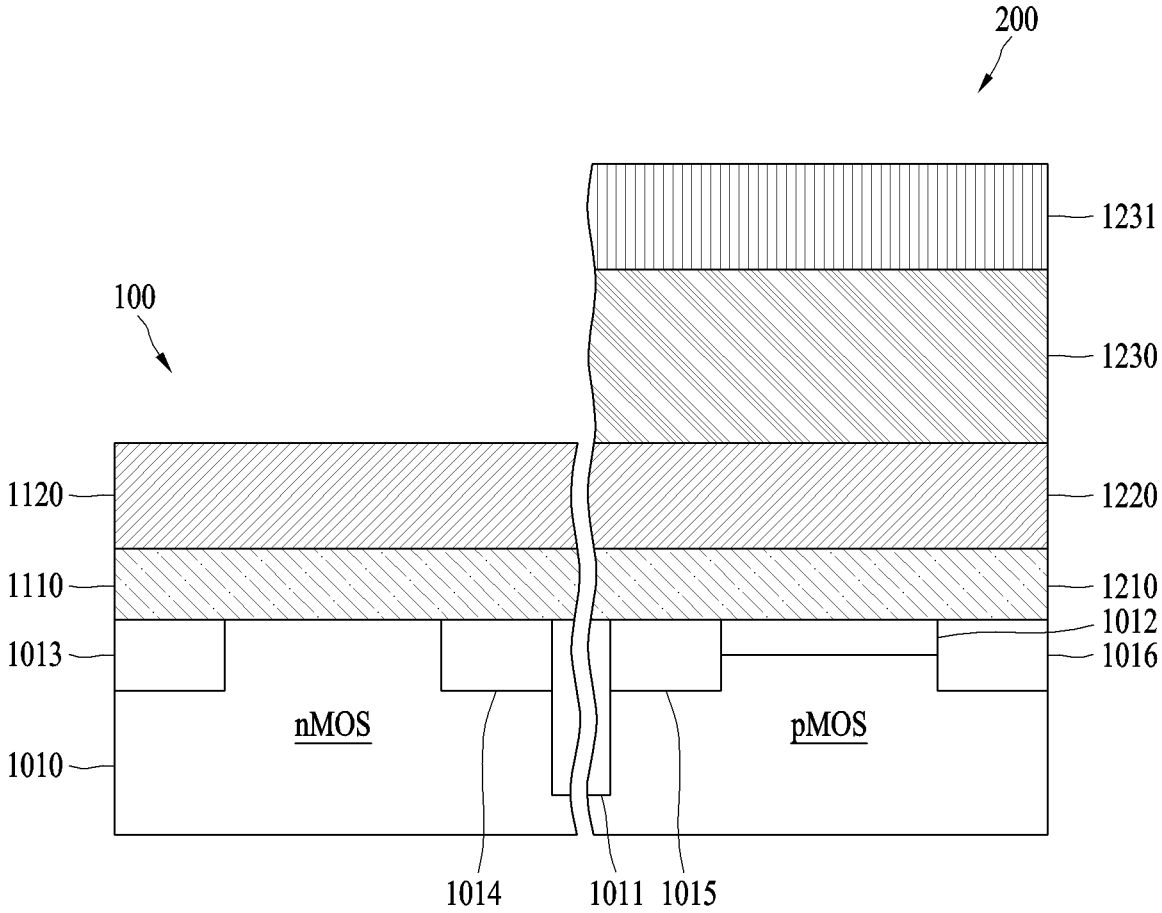

200
100
1231
1230
1220
1210
1012
1016
1120
1110
1013
1010
nMOS
pMOS
1014
1011
1015

FIG. 5

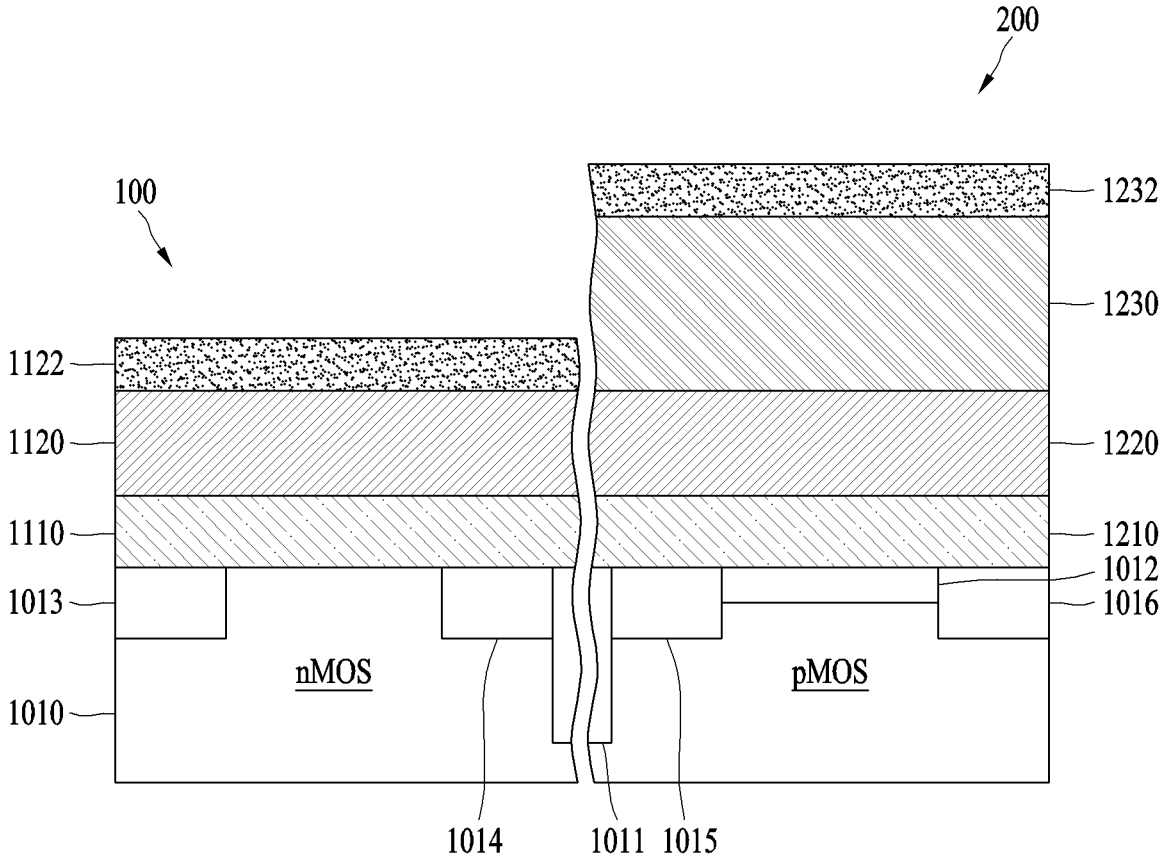

200
100
1232
1230
1122
1120
1220
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 6

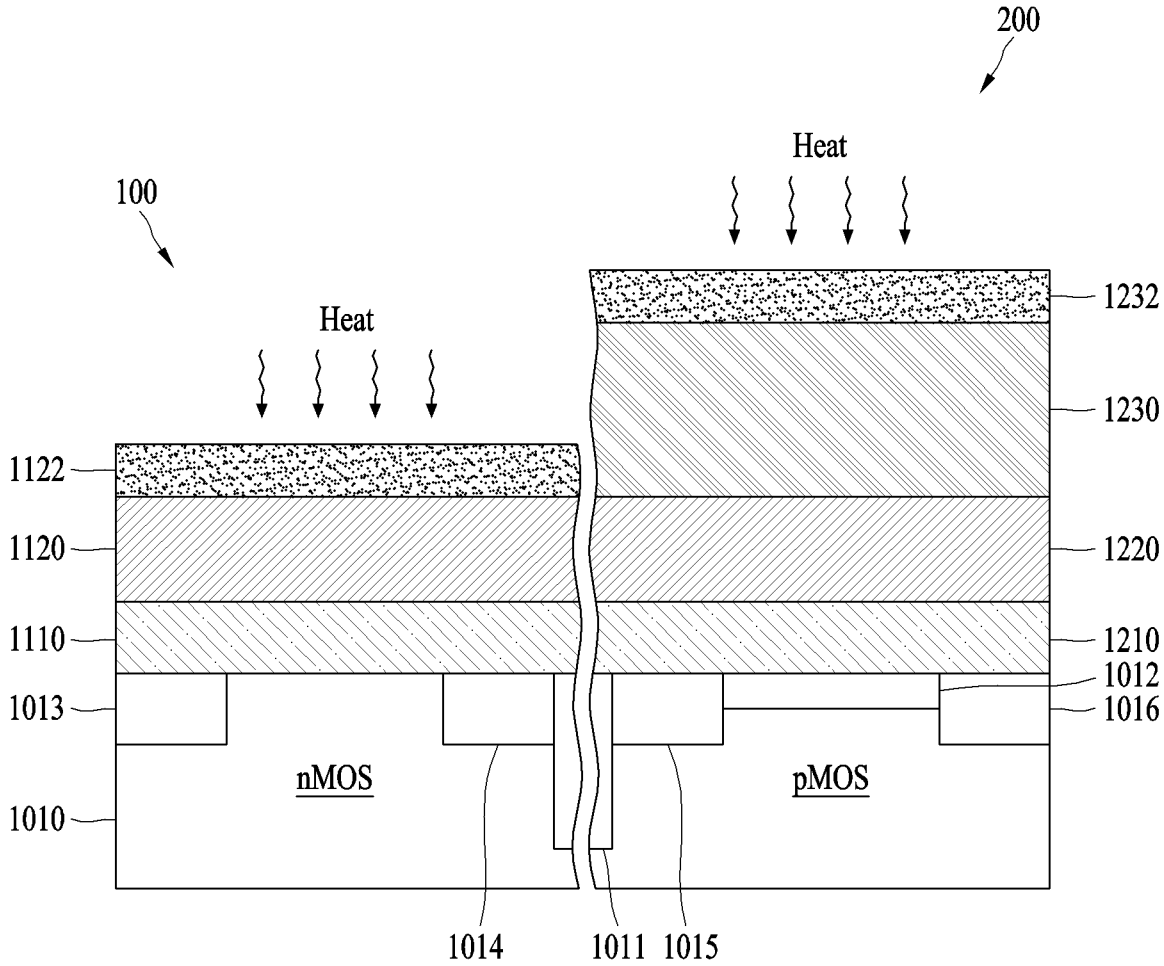

200
Heat
100
Heat
1232
1230
1122
1120
1220
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 7

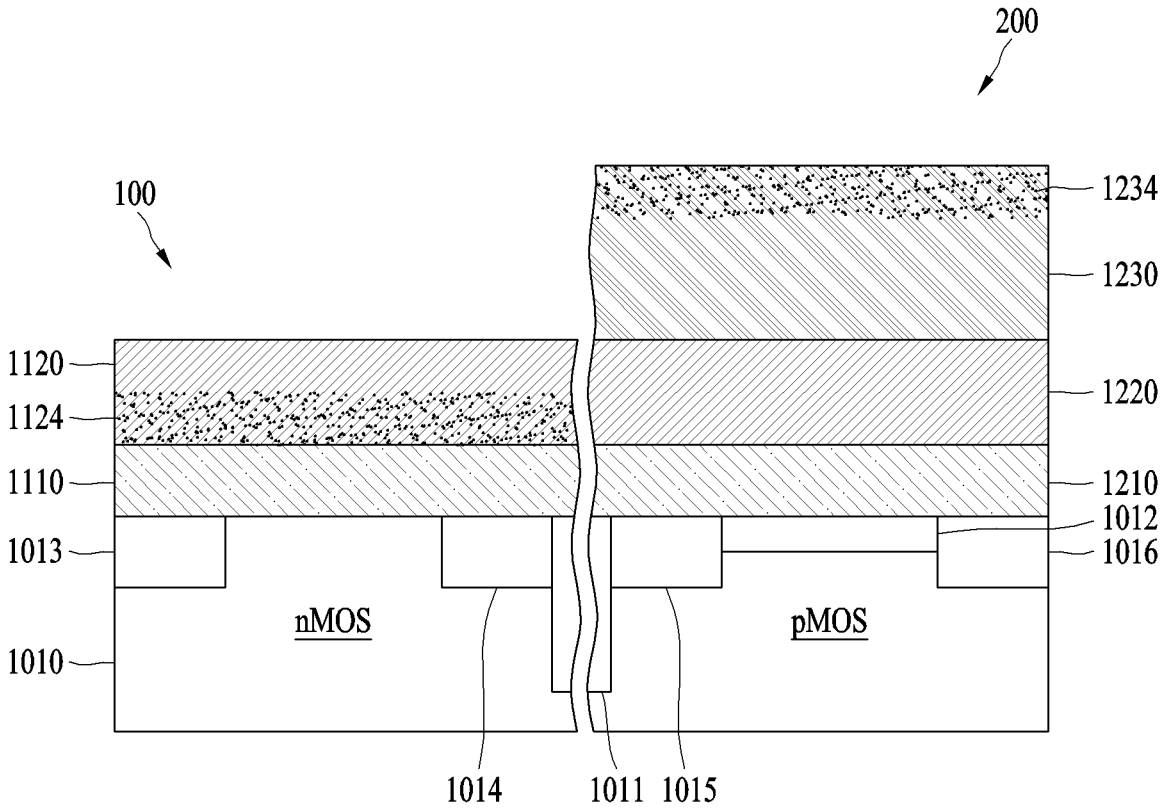

200
100
1234
1230
1120
1124
1220
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 8

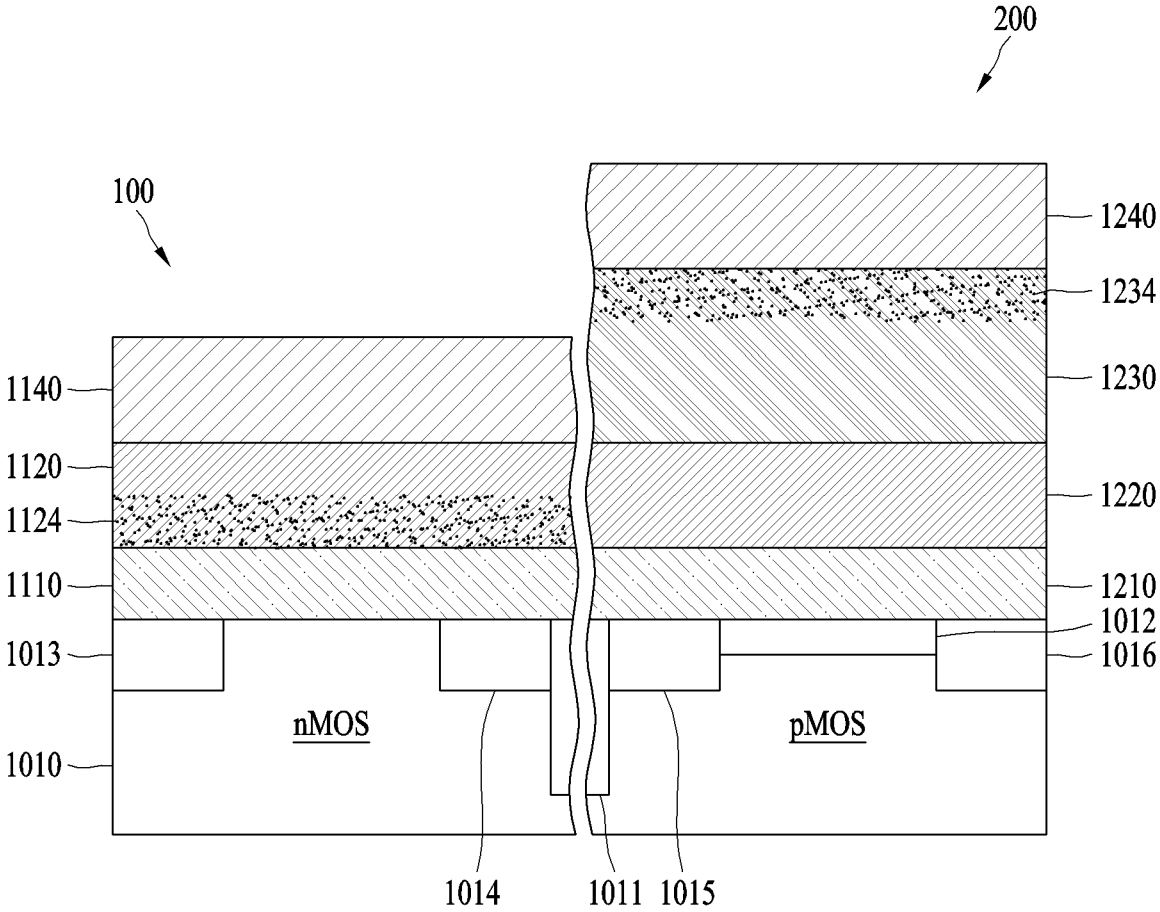

200
100
1240
1234
1230
1140
1120
1124
1220
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 9

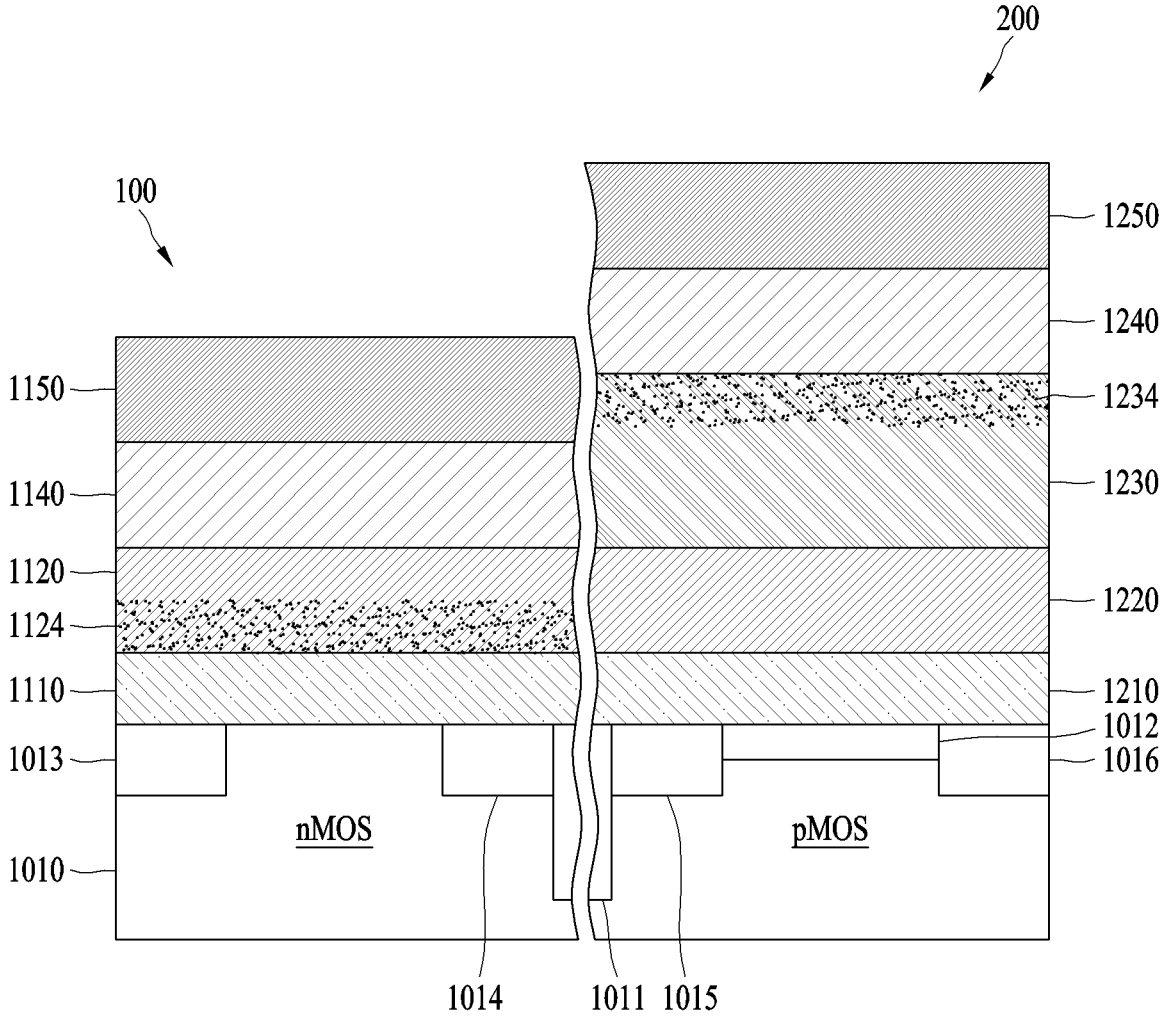

200
100
1250
1240
1150
1234
1140
1230
1120
1220
1124
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 10

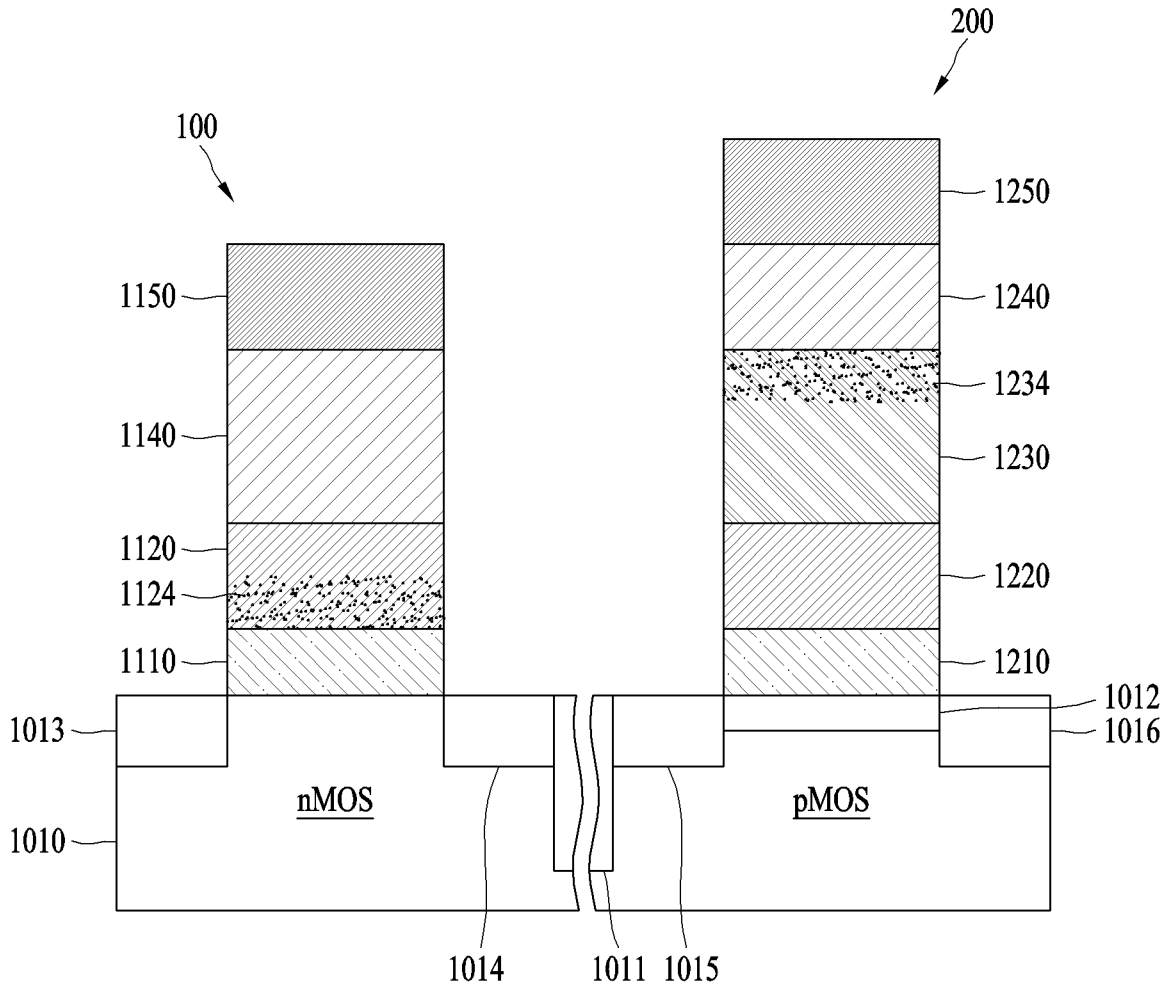

200
100
1250
1150
1240
1234
1140
1230
1120
1220
1124
1110
1210
1012
1013
1016
nMOS
pMOS
1010
1014
1011
1015

FIG. 11

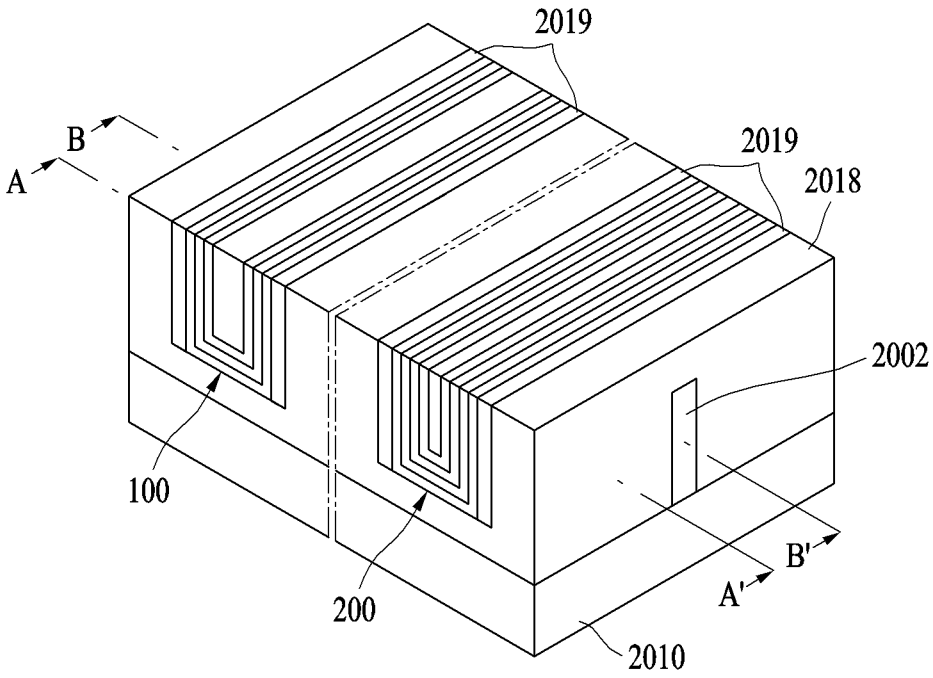


FIG. 12

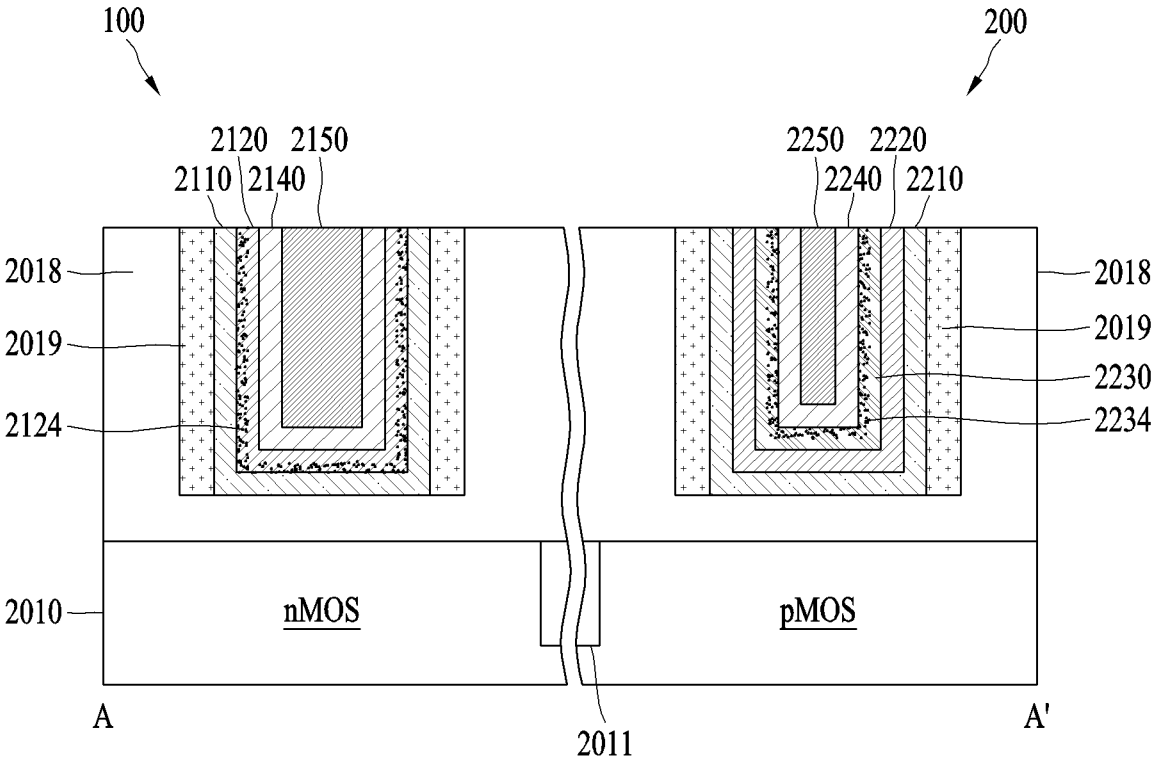

100
200
2120
2150
2110
2140
2250
2220
2240
2210
2018
2019
2124
2230
2234
2010
nMOS
pMOS
A
A'
2011

FIG. 13A

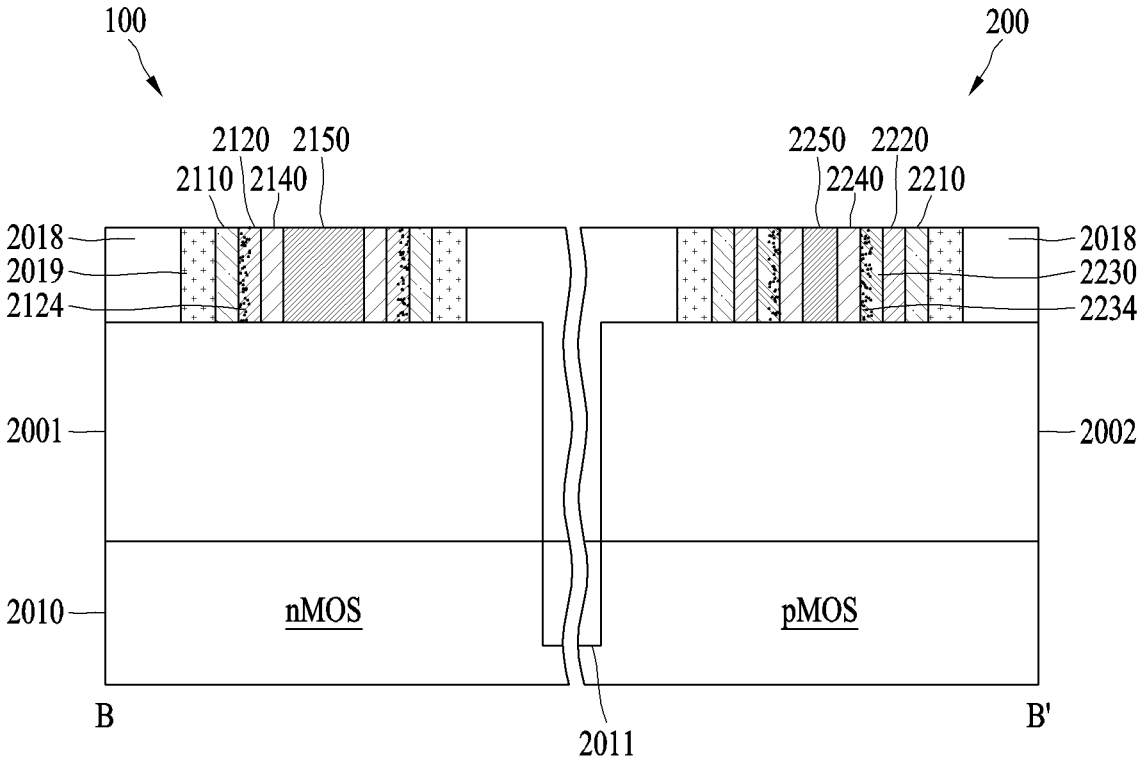

100
200
2120
2150
2110
2140
2250
2220
2240
2210
2018
2019
2124
2018
2230
2234
2001
2002
2010
nMOS
pMOS
B
B'
2011

FIG. 13B

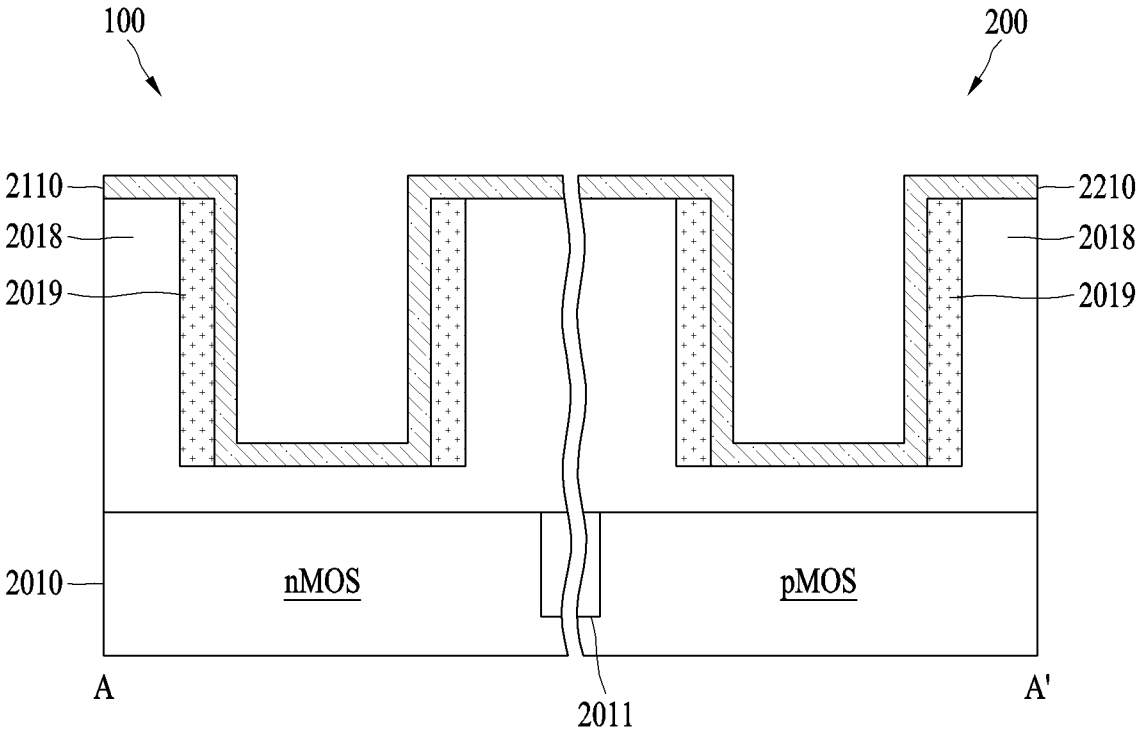


FIG. 14

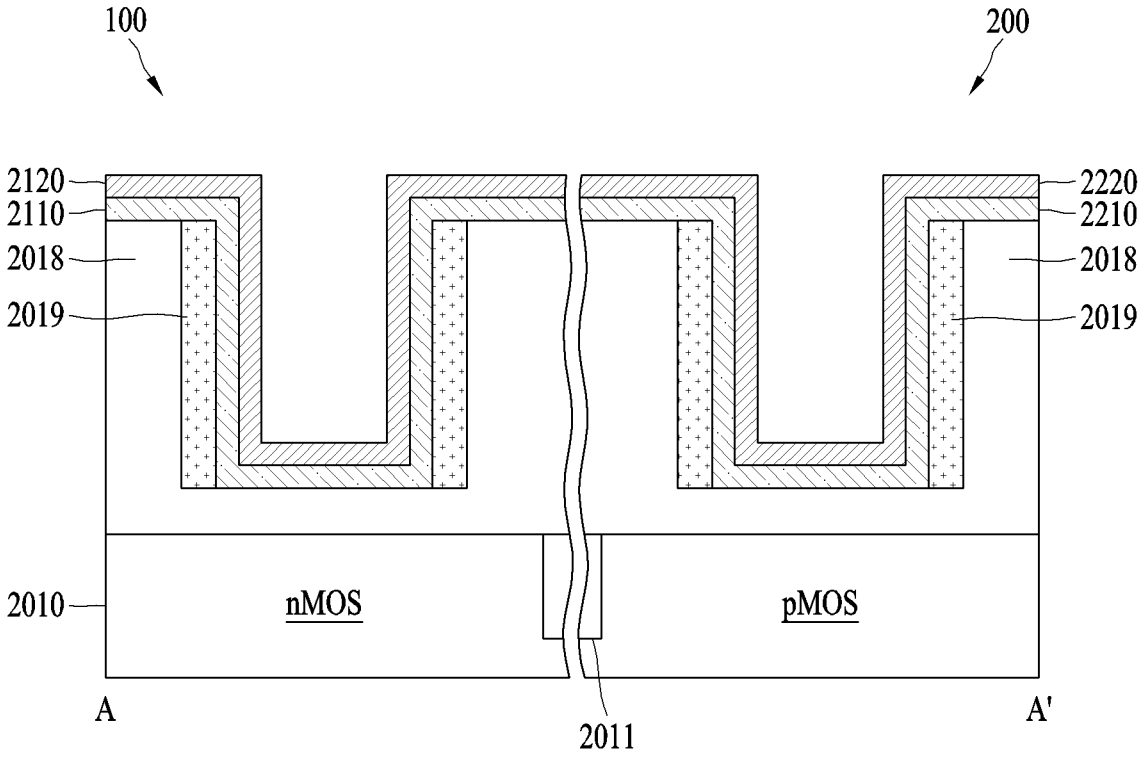

100
200
2120
2110
2018
2019
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 15

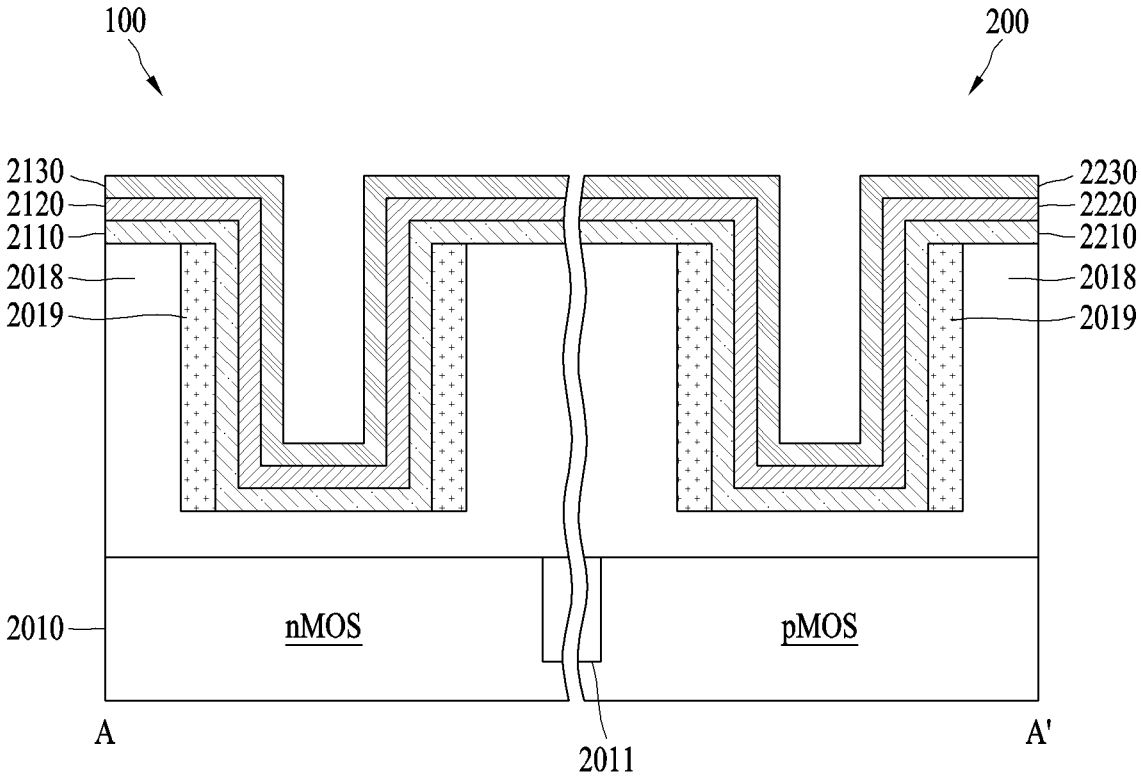

100
200
2130
2120
2110
2018
2019
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 16

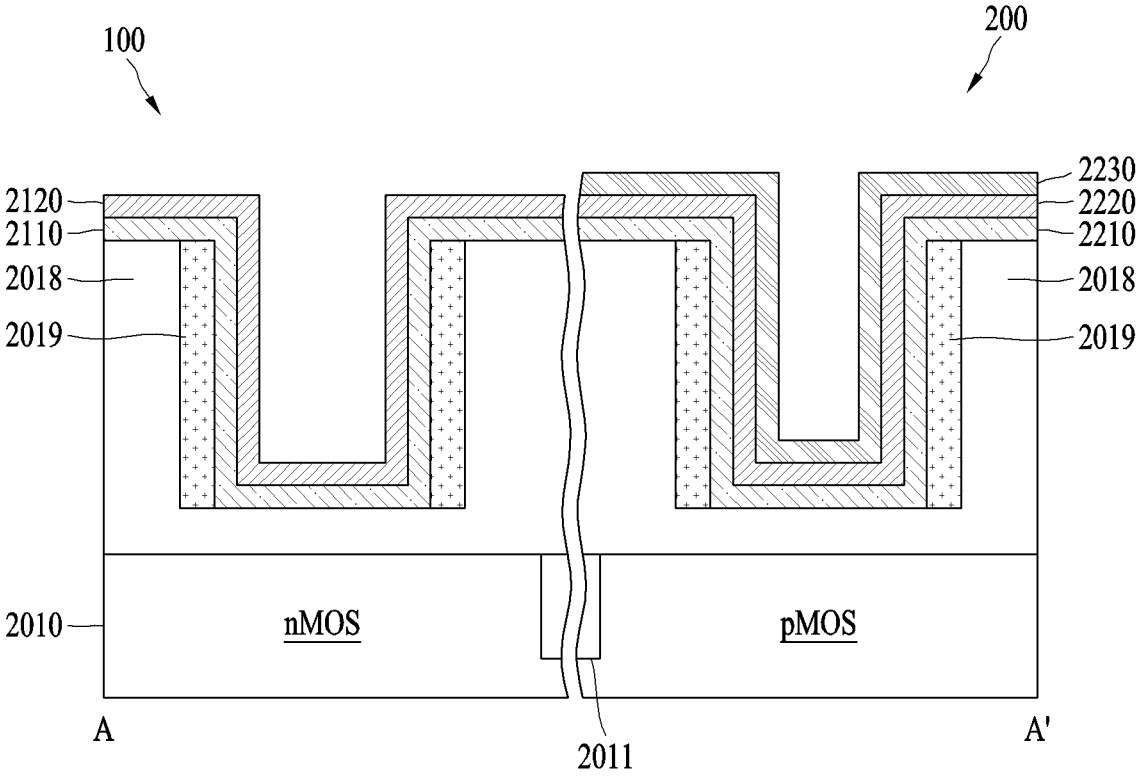

100
200
2120
2110
2018
2019
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 17

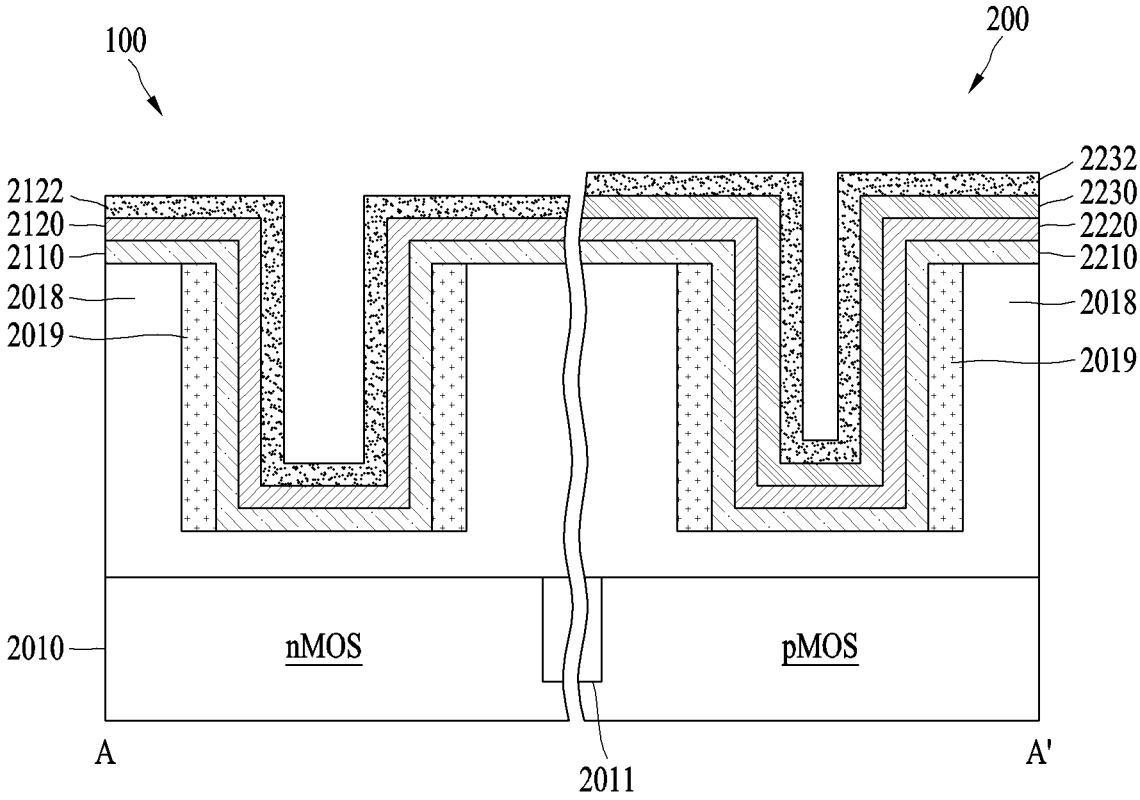

100
200
2122
2120
2110
2018
2019
2232
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 18

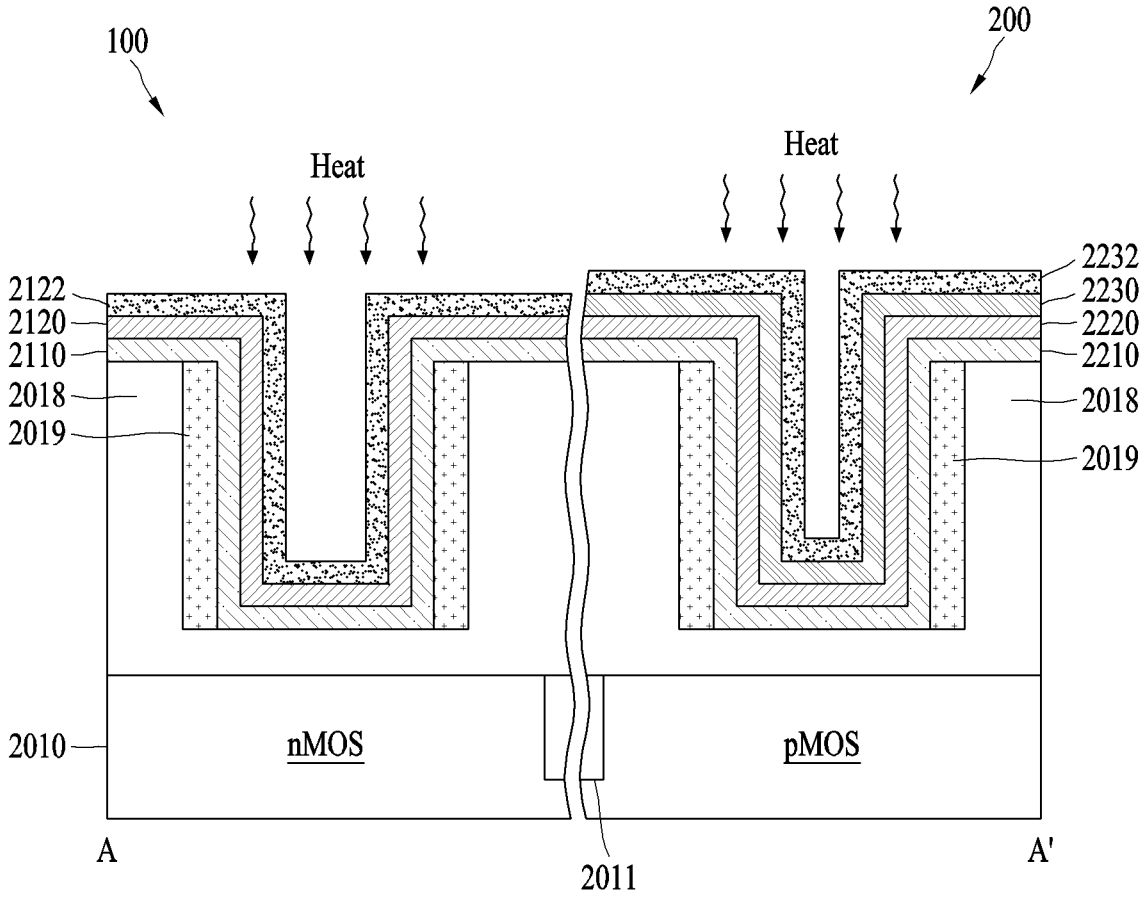

100
200
Heat
Heat
2122
2120
2110
2018
2019
2232
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 19

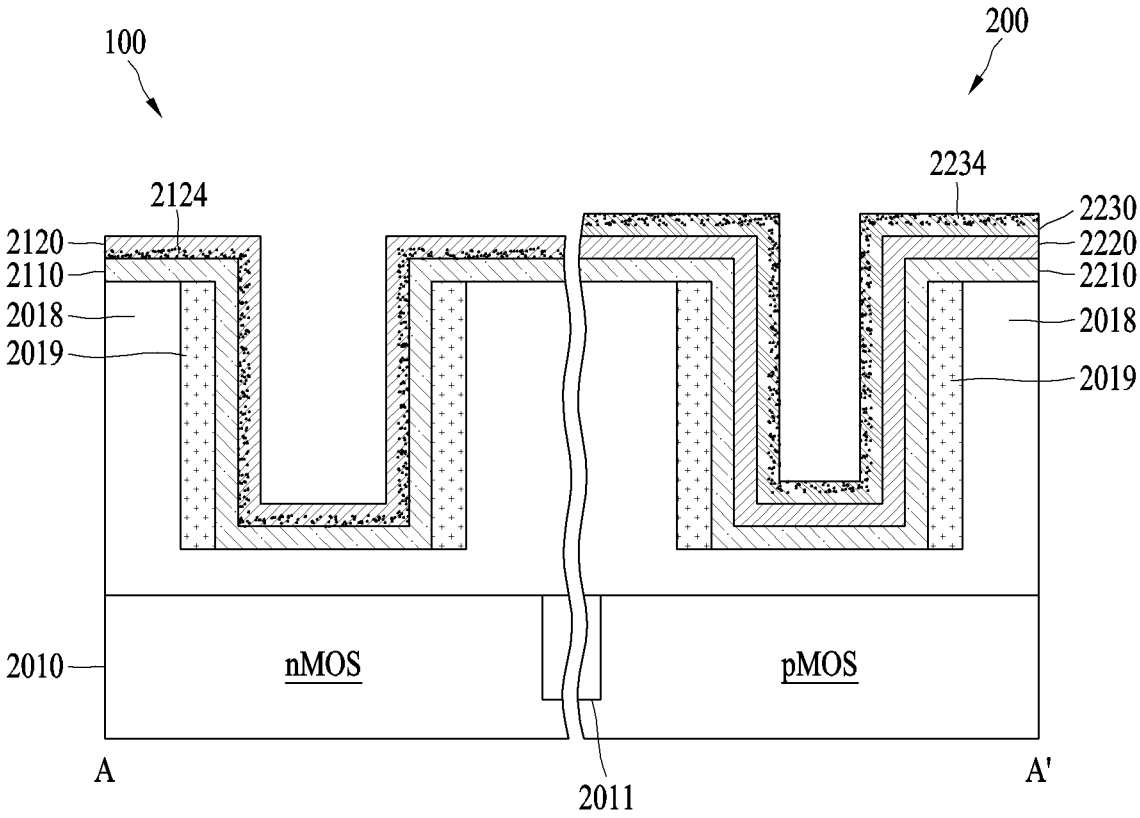

100
200
2124
2234
2120
2110
2018
2019
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 20

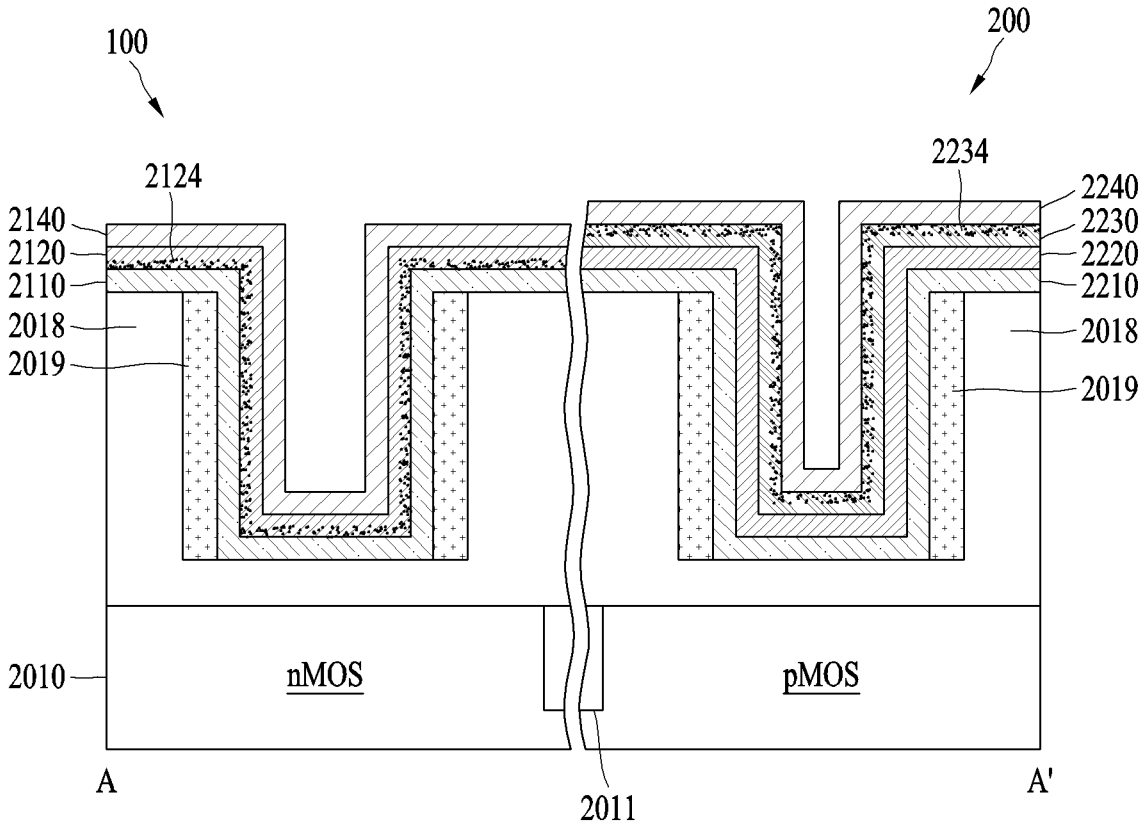

100
200
2124
2234
2140
2120
2110
2018
2019
2240
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 21

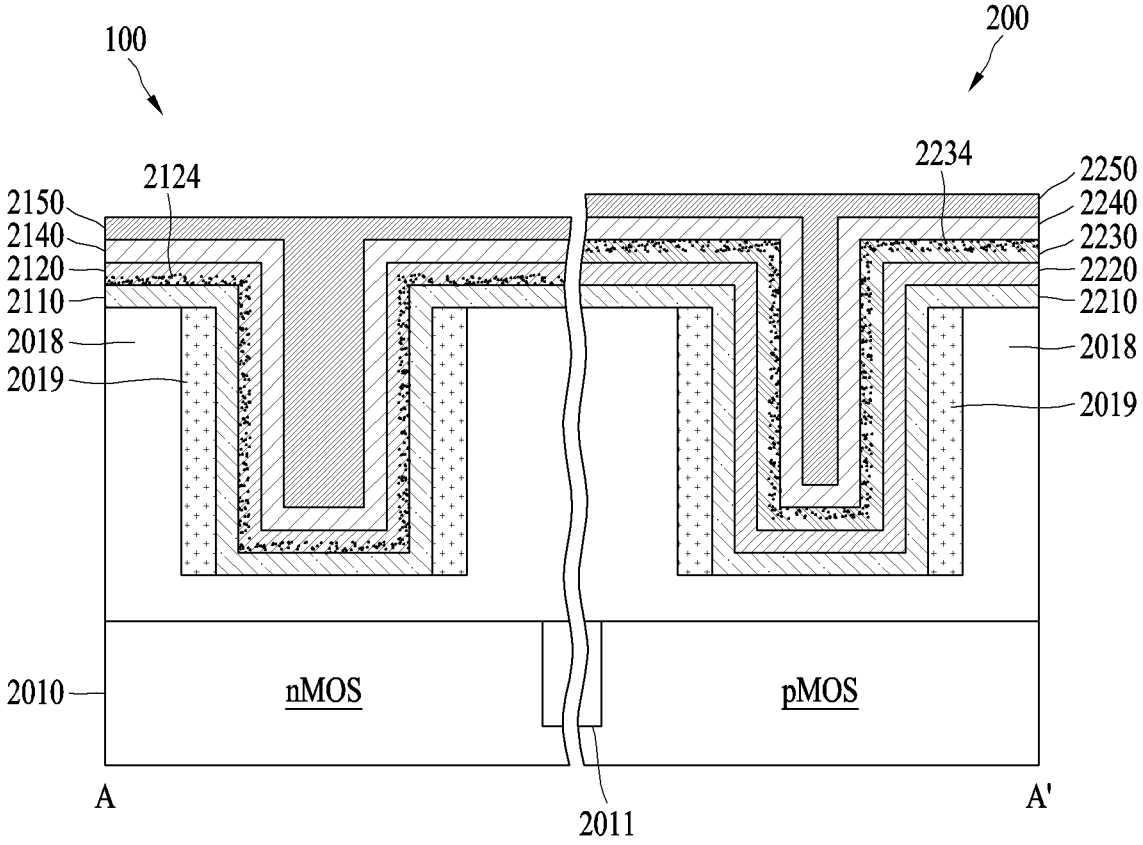

100
200
2124
2234
2150
2140
2120
2110
2018
2019
2250
2240
2230
2220
2210
2018
2019
2010
nMOS
pMOS
A
A'
2011

FIG. 22

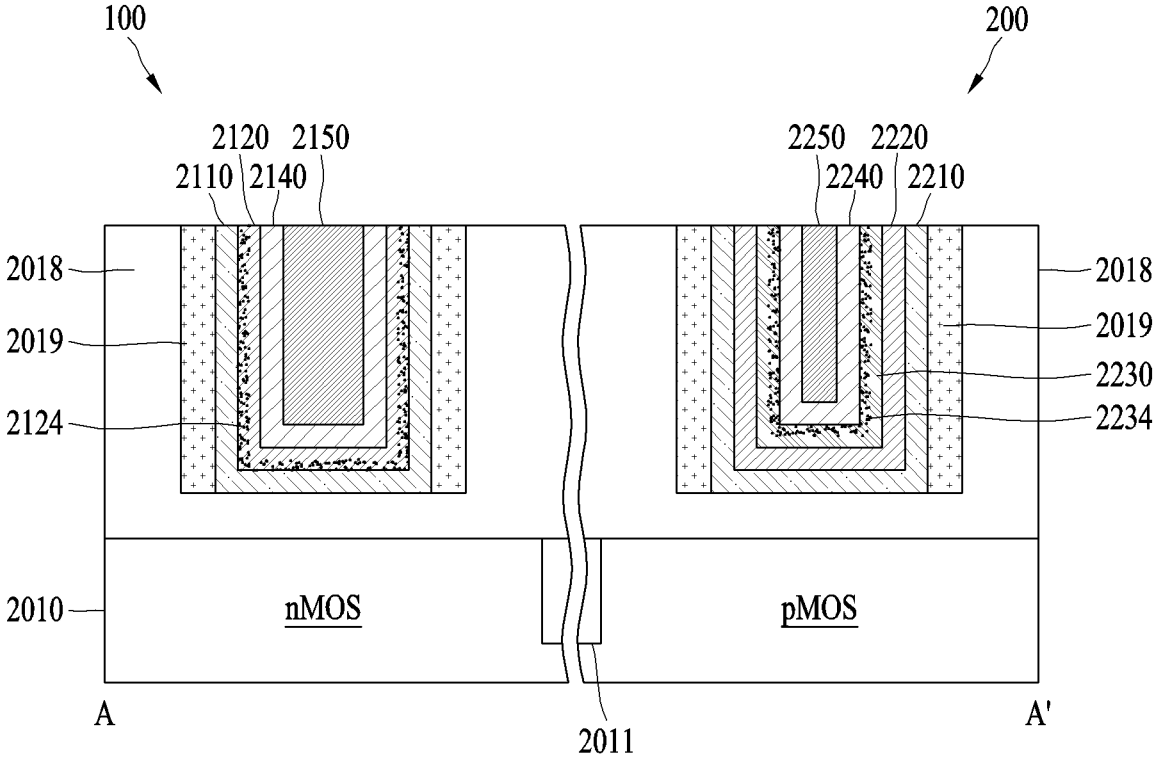

100
200
2120
2150
2110
2140
2250
2220
2240
2210
2018
2019
2124
2230
2234
2010
nMOS
pMOS
A
A'
2011

FIG. 23

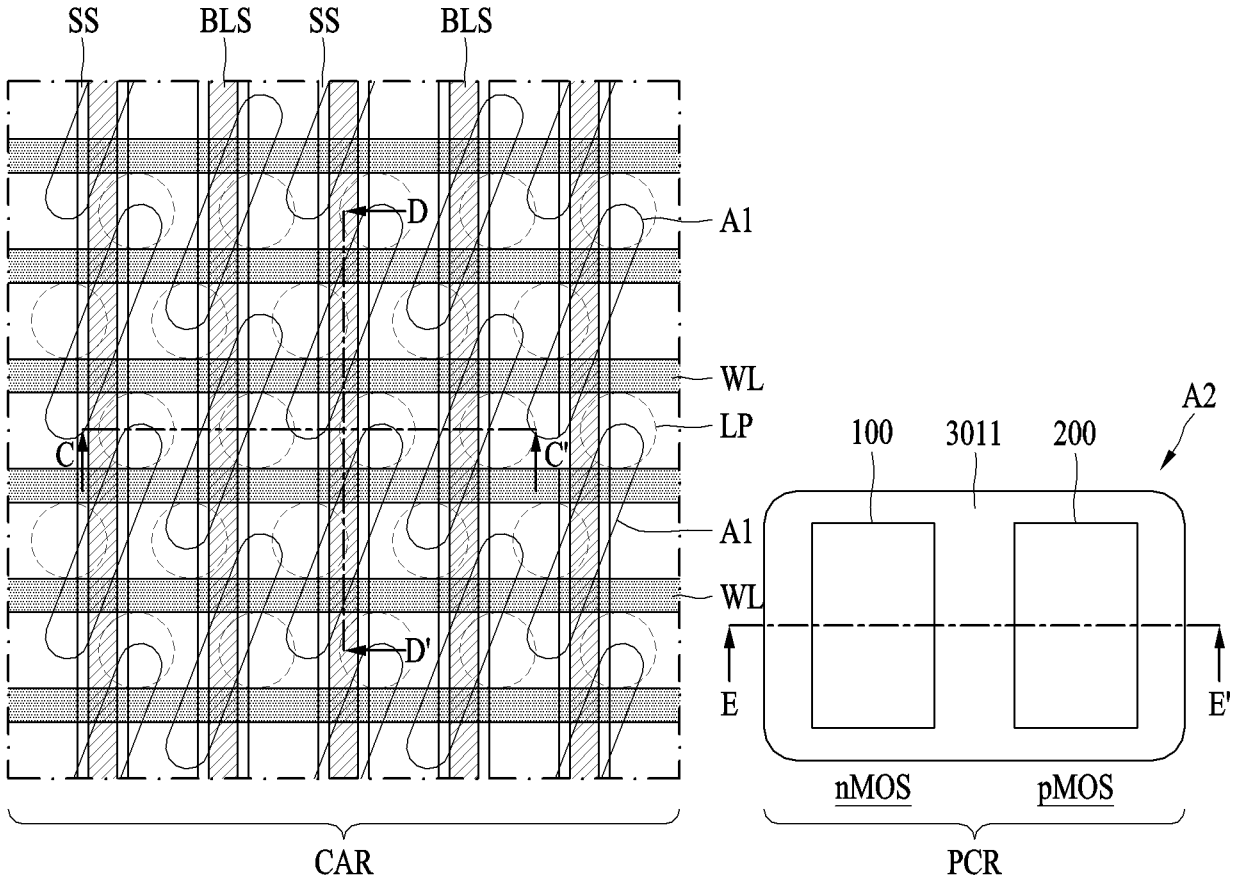

SS
BLS
SS
BLS
D
A1
WL
LP
C
C'
A1
WL
D'
CAR
A2
100
3011
200
E
E'
nMOS
pMOS
PCR

FIG. 24

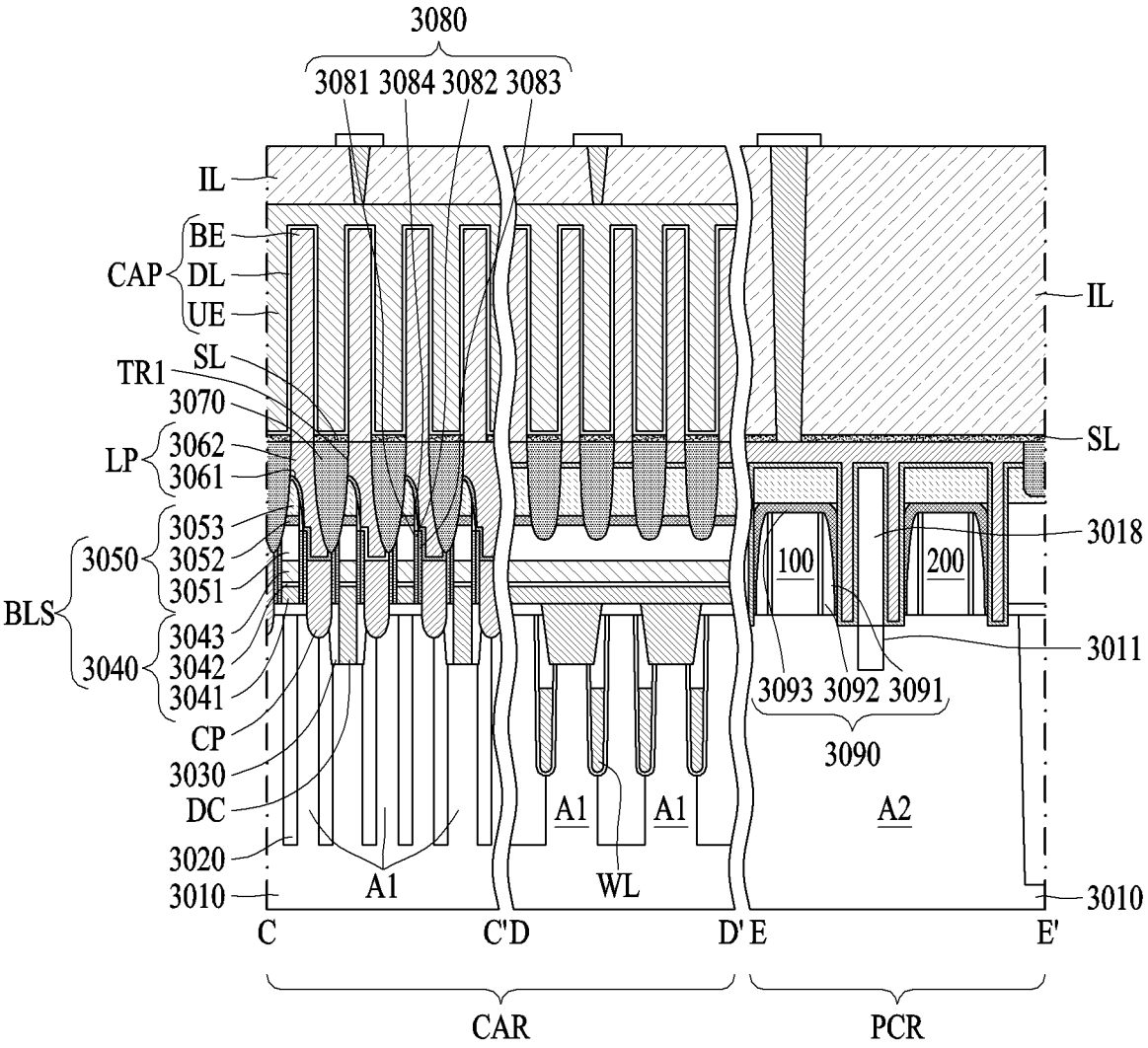

3080
3081 3084 3082 3083
IL
CAP
BE
DL
UE
TR1
SL
3070
LP
3062
3061
BLS
3050
3053
3052
3051
3040
3043
3042
3041
CP
3030
DC
3020
3010
A1
WL
A1
A1
100
200
3018
3011
3093 3092 3091
3090
A2
IL
SL
3010
C
C'
D
D'
E
E'
CAR
PCR

FIG. 25

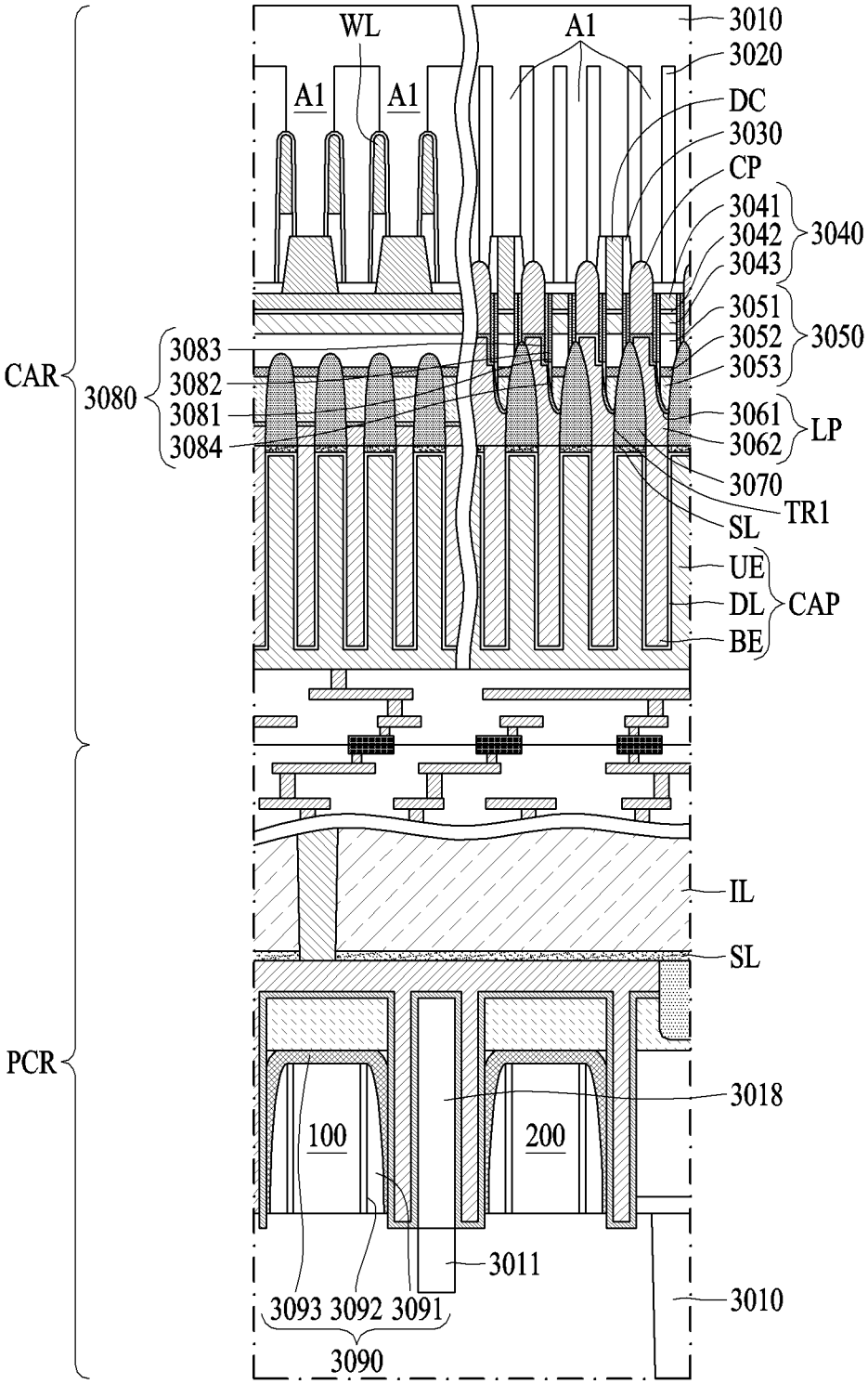

WL
A1
A1
A1
3010
3020
DC
3030
CP
3041
3042
3043
3040
3051
3052
3053
3050
3083
3082
3081
3084
3080
CAR
3061
3062
LP
3070
TR1
SL
UE
DL
BE
CAP
IL
SL
PCR
3018
100
200
3011
3010
3093 3092 3091
3090

FIG. 26