FIG. 1

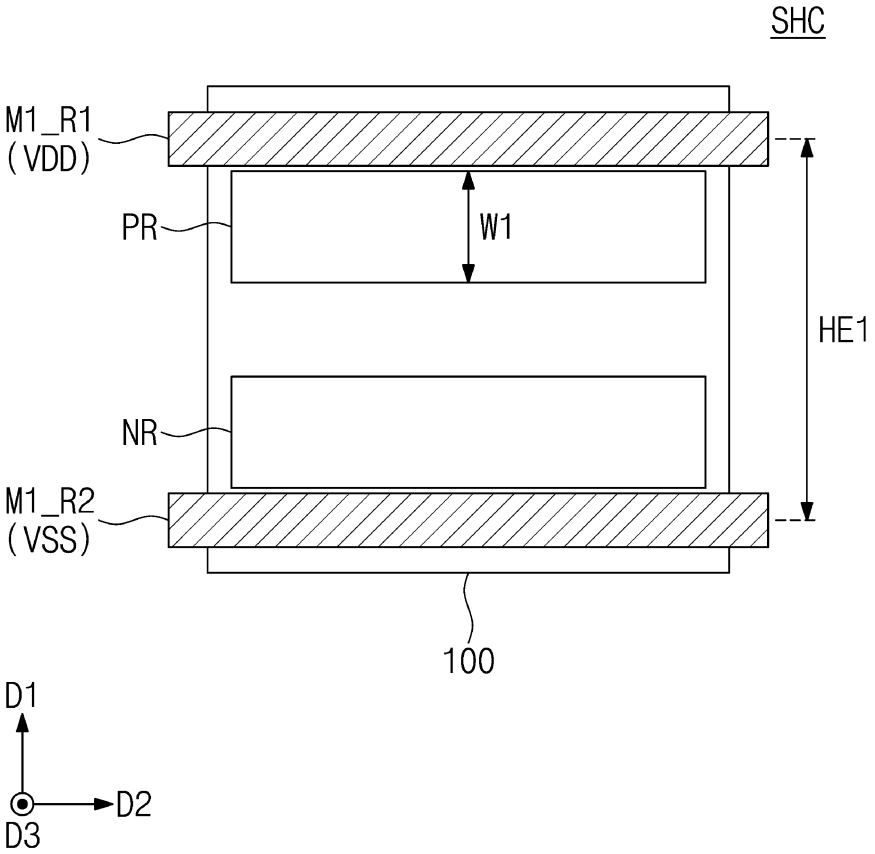


FIG. 2

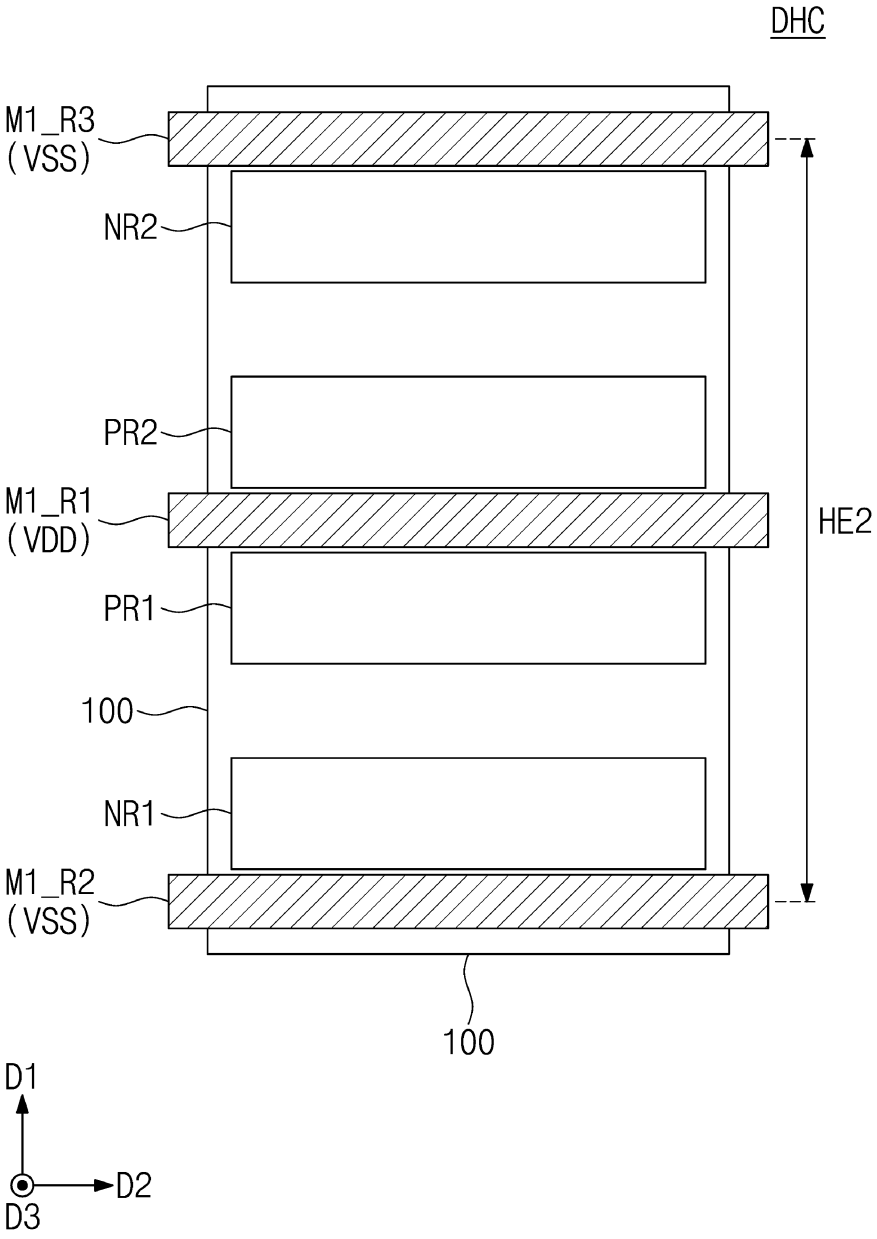

DHC
M1_R3
(VSS)
NR2
PR2
M1_R1
(VDD)
PR1
100
NR1
M1_R2
(VSS)
HE2
100
D1
D2
D3

FIG. 3

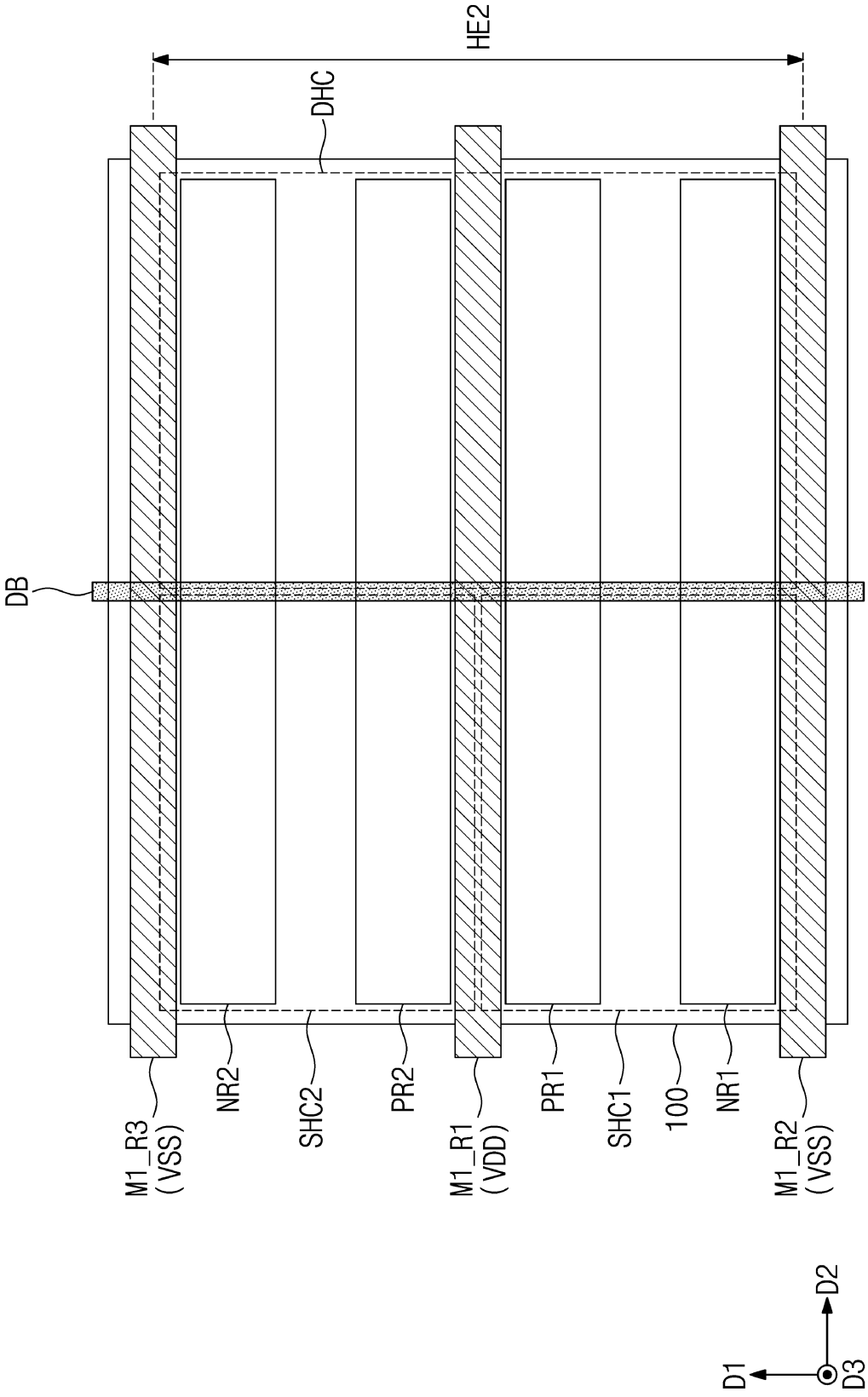

HE2
DHC
DB
M1_R3
(VSS)
NR2
SHC2
PR2
M1_R1
(VDD)
PR1
SHC1
100
NR1
M1_R2
(VSS)
D1
D2
D3

FIG. 4

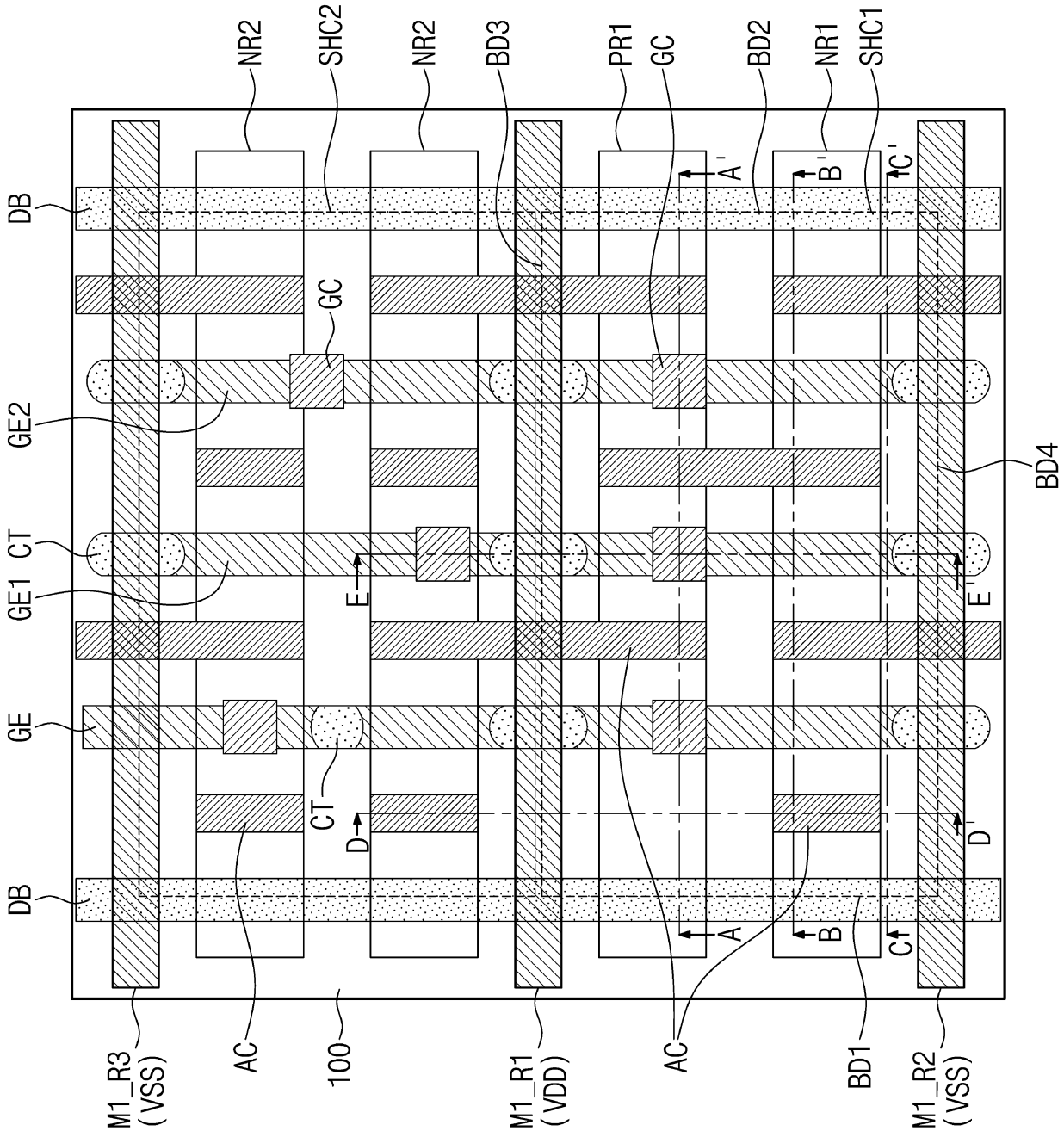

NR2
SHC2
NR2
BD3
PR1
GC
BD2
NR1
SHC1
DB
GC
A'
B'
C'
GE2
BD4
GE1
CT
E
E'
GE
CT
D
D'
DB
A
B
C
M1_R3
(VSS)
AC
100
M1_R1
(VDD)
AC
BD1
M1_R2
(VSS)

FIG. 5A

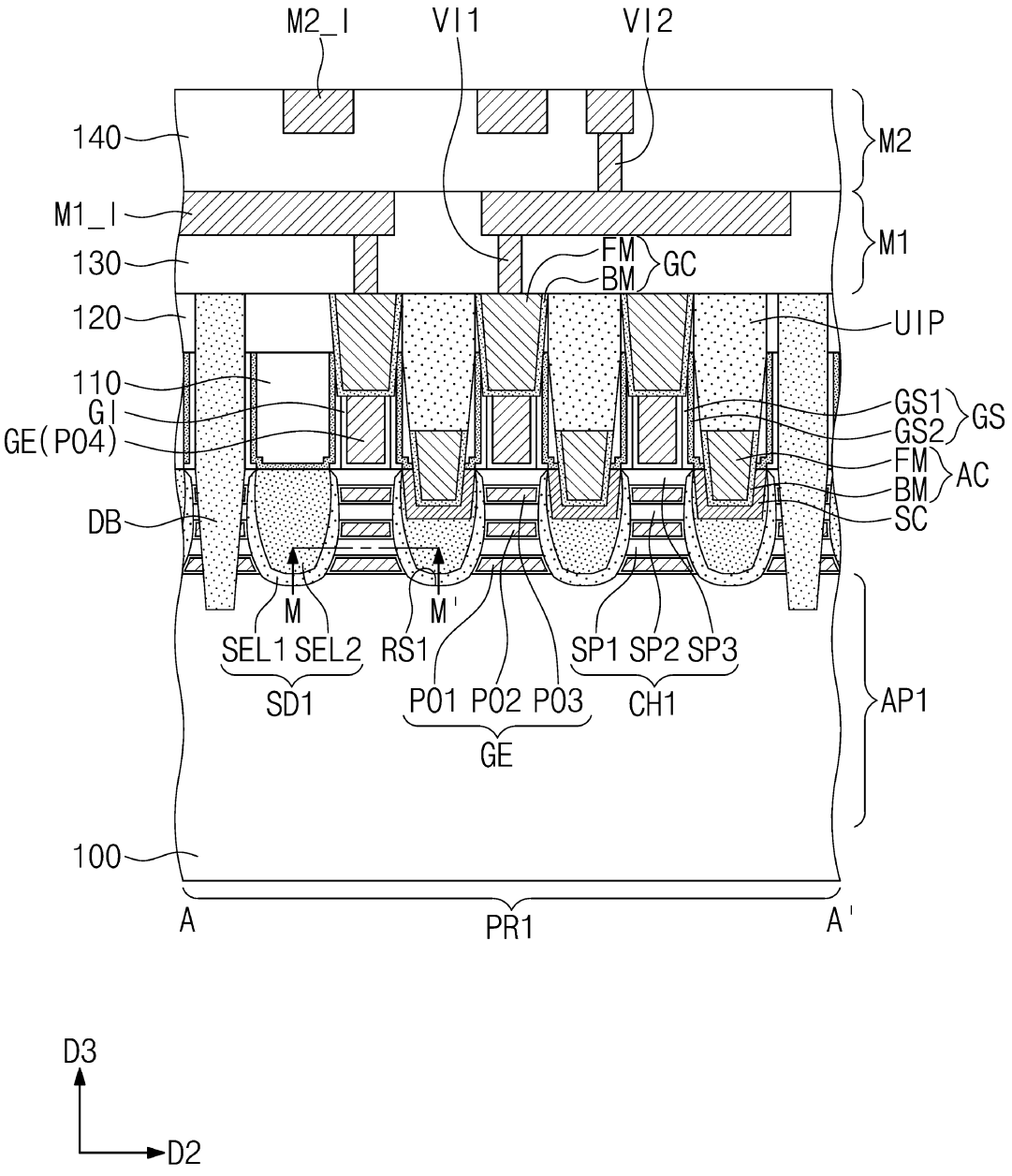

M2_I
VI1
VI2
140
M2
M1_I
M1
130
FM
BM
GC
120
UIP
110
GI
GE(P04)
GS1
GS2
GS
FM
BM
AC
SC
DB
M
M'
SEL1
SEL2
RS1
SP1
SP2
SP3
SD1
P01
P02
P03
CH1
GE
AP1
100
A
PR1
A'
D3
D2

FIG. 5B

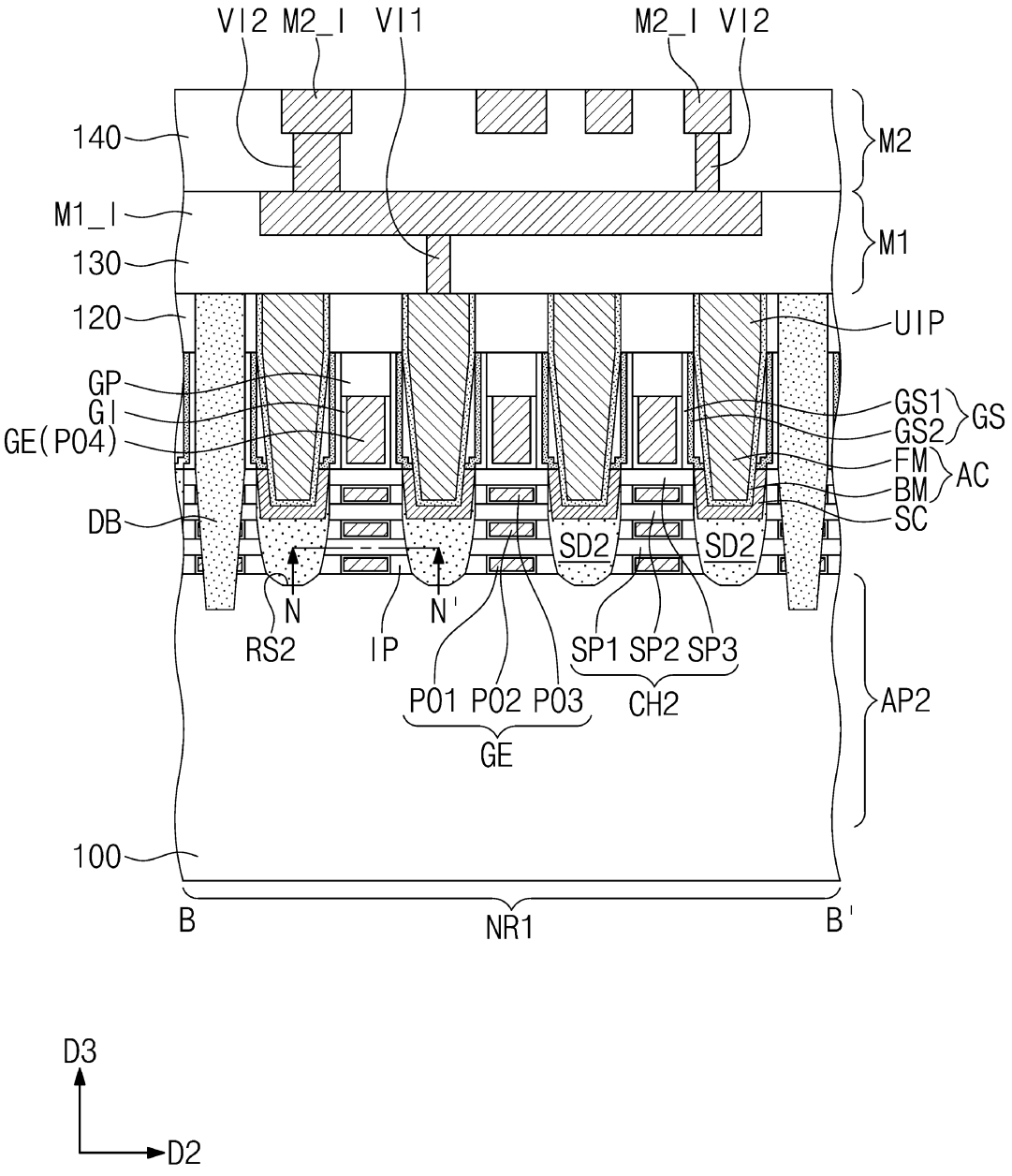

VI2
M2_I
VI1
M2_I
VI2
140
M2
M1_I
M1
130
120
UIP
GP
GI
GE(P04)
GS1
GS2
GS
FM
BM
AC
DB
SC
SD2
SD2
N
N'
RS2
IP
SP1 SP2 SP3
P01 P02 P03
CH2
GE
AP2
100
B
NR1
B'
D3
D2

FIG. 5C

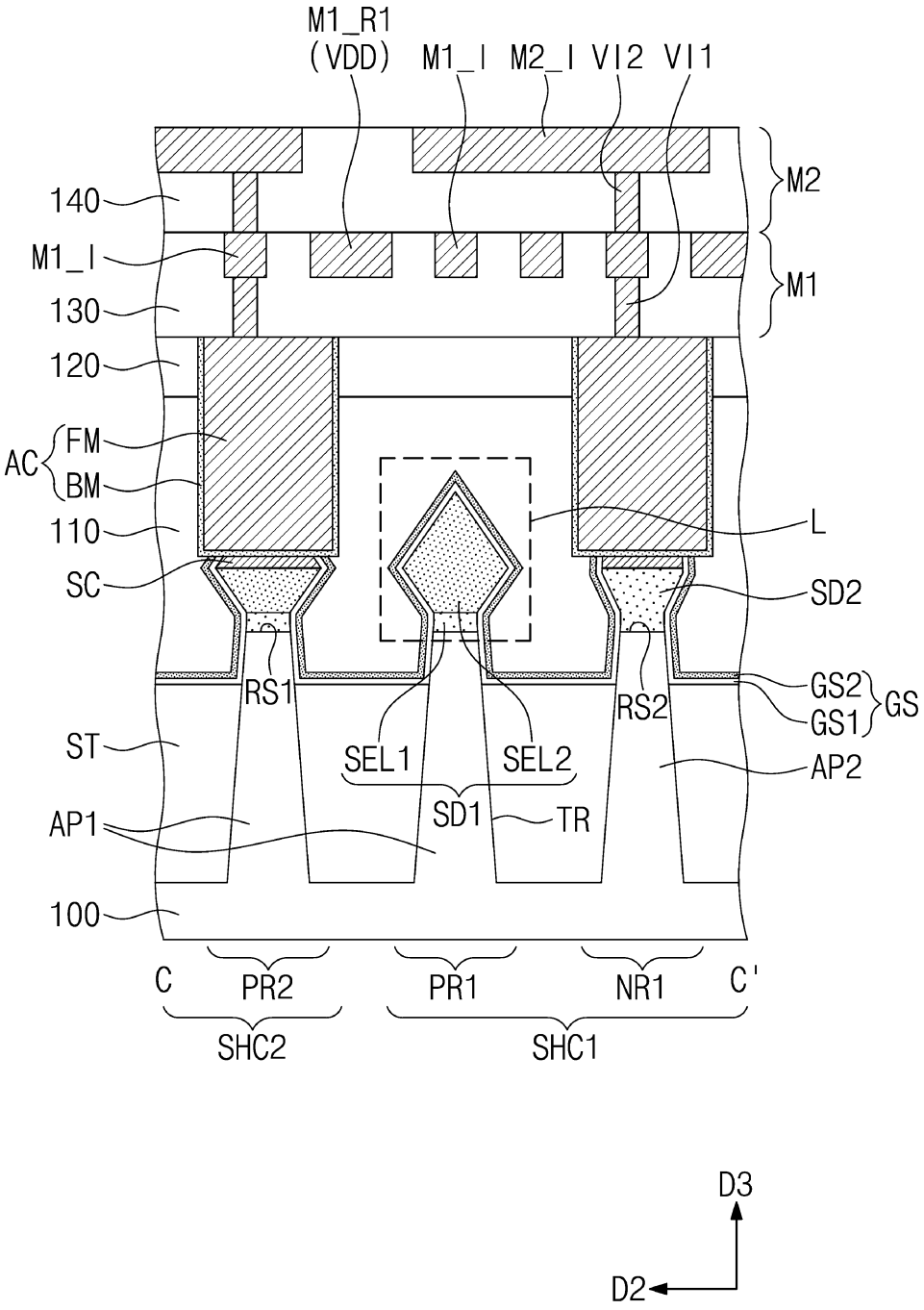

M1_R1
(VDD)
M1_I
M2_I
VI2
VI1
M2
M1
140
M1_I
130
120
AC
FM
BM
110
SC
L
SD2
RS1
RS2
GS2
GS1
GS
ST
SEL1
SEL2
AP2
SD1
TR
AP1
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 5D

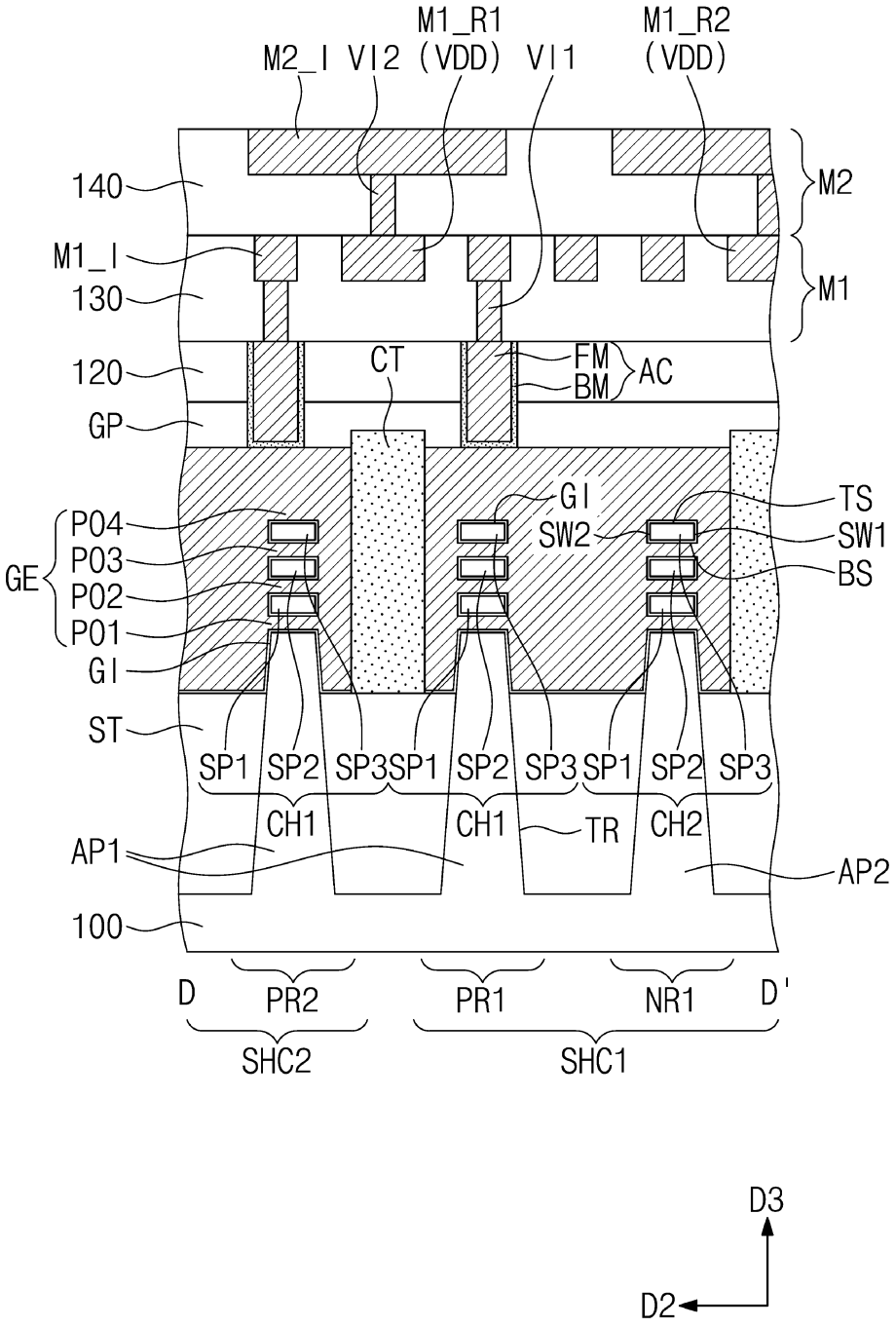

M1_R1
M1_R2
M2_I
VI2
(VDD)
VI1
(VDD)
140
M2
M1_I
M1
130
120
CT
FM
BM
AC
GP
GI
TS
P04
SW2
SW1
GE
P03
BS
P02
P01
GI
ST
SP1
SP2
SP3
SP1
SP2
SP3
SP1
SP2
SP3
CH1
CH1
TR
CH2
AP1
AP2
100
D
PR2
PR1
NR1
D'
SHC2
SHC1
D3
D2

FIG. 6A

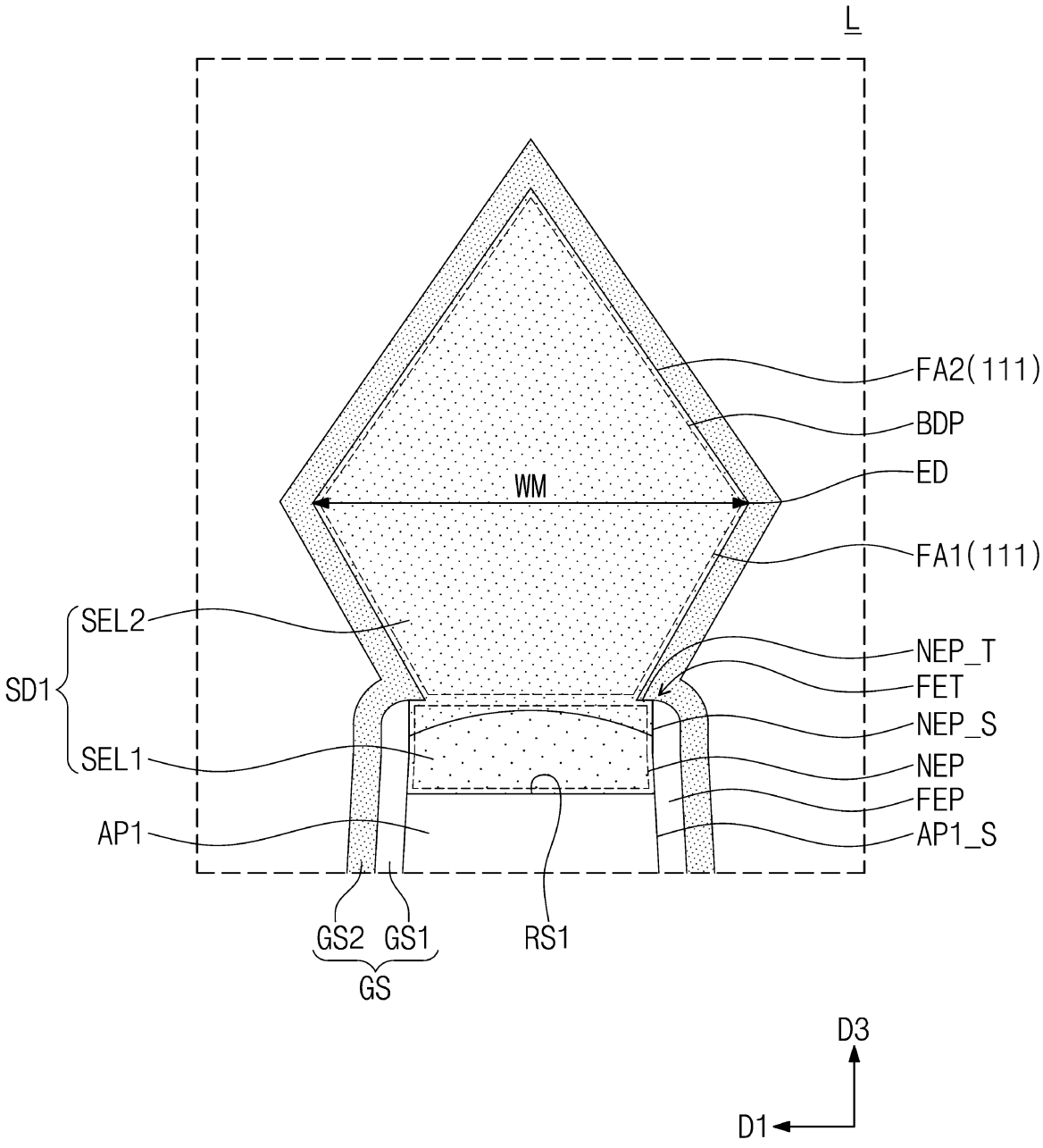

L
FA2(111)
BDP
ED
WM
FA1(111)
SEL2
SD1
SEL1
AP1
NEP_T
FET
NEP_S
NEP
FEP
AP1_S
GS2
GS1
GS
RS1
D3
D1

FIG. 6B

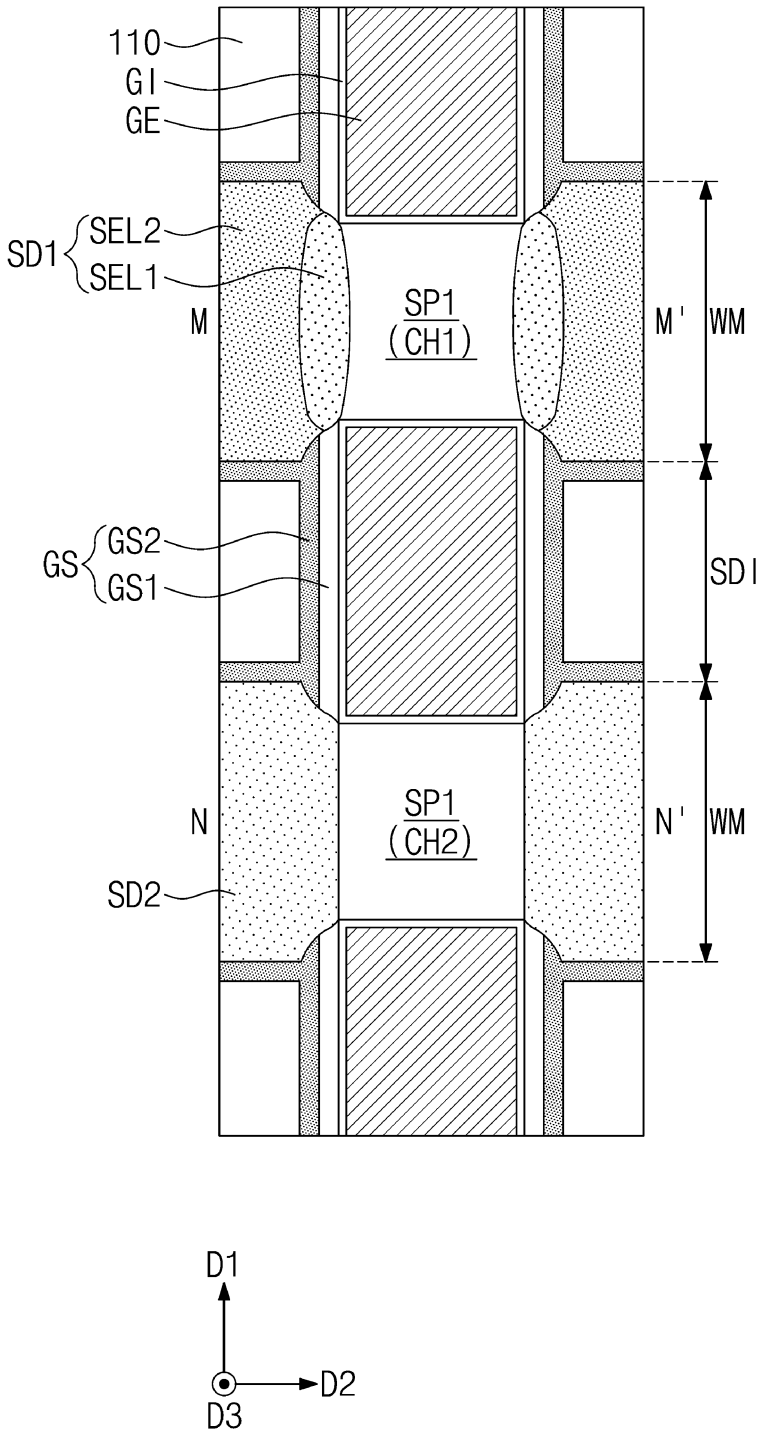

110
GI
GE
SD1
SEL2
SEL1
M
SP1
(CH1)
M'
WM
SDI
GS
GS2
GS1
N
SP1
(CH2)
N'
WM
SD2
D1
D2
D3

FIG. 7A

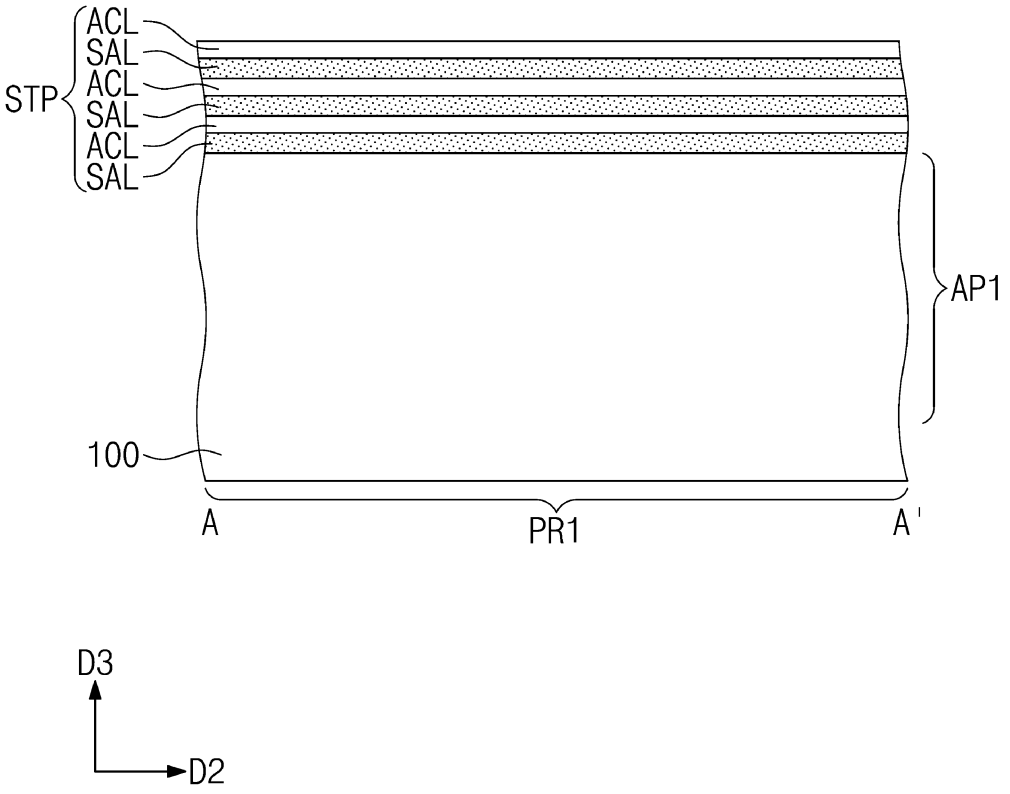


FIG. 7B

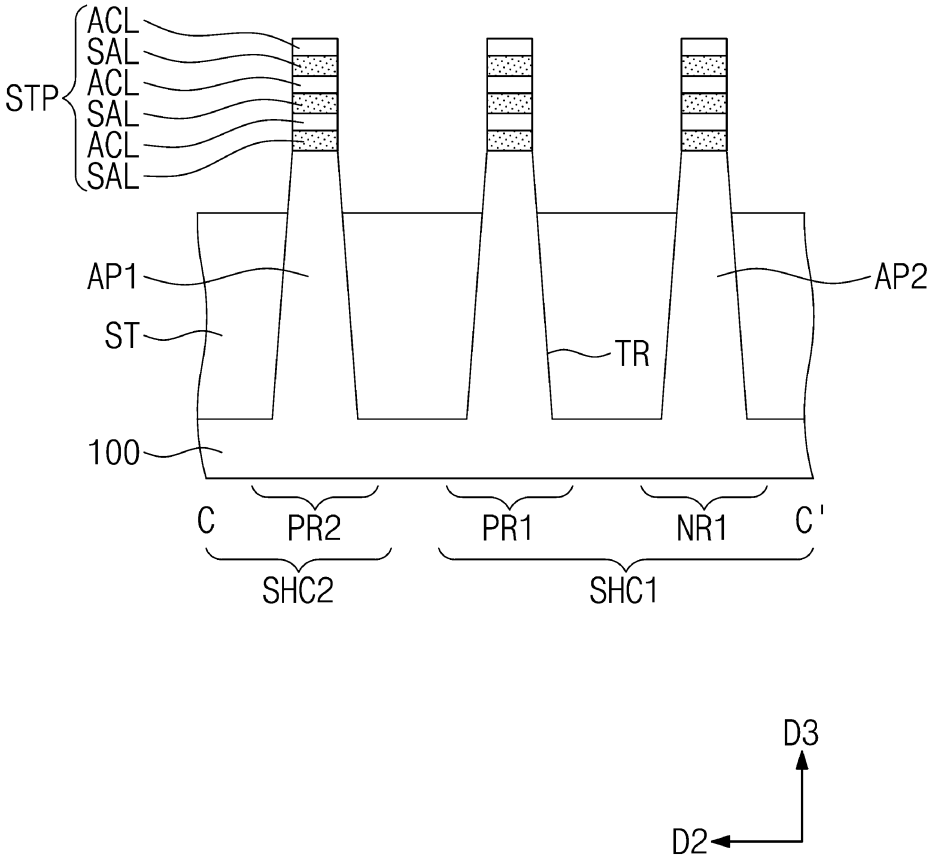

ACL
SAL
ACL
SAL
ACL
SAL
STP
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 8A

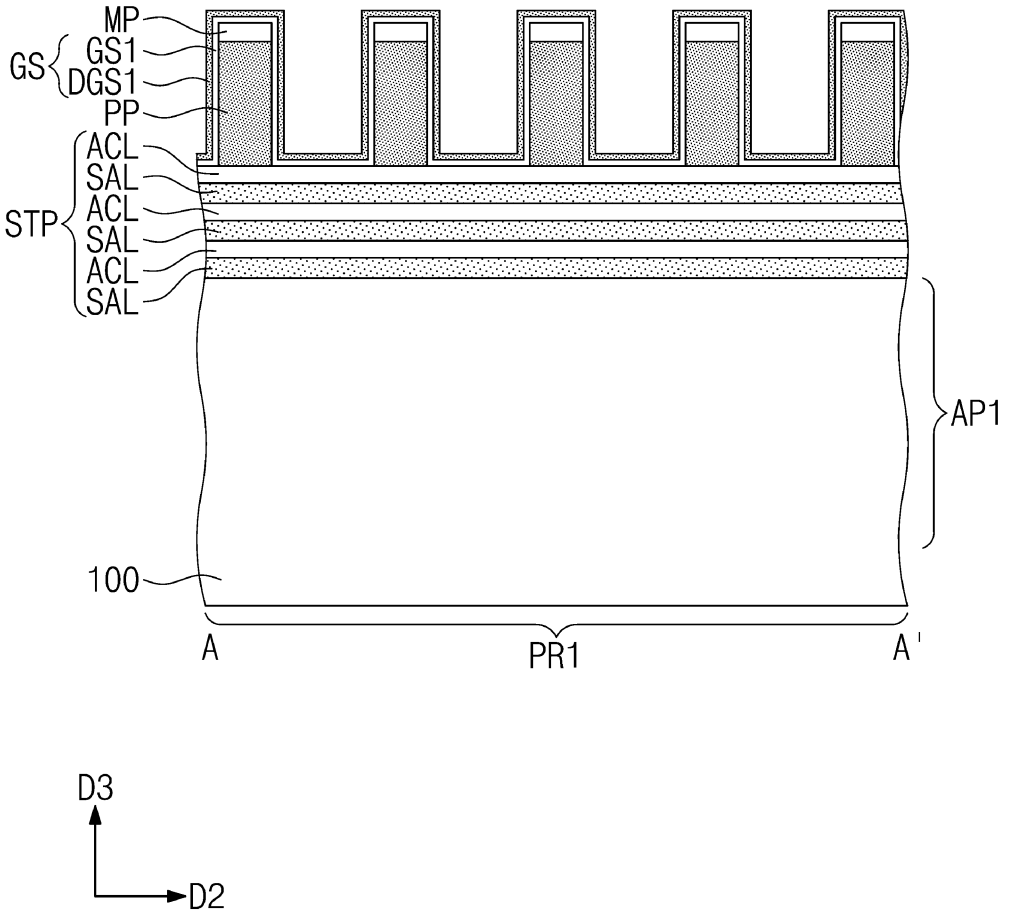


FIG. 8B

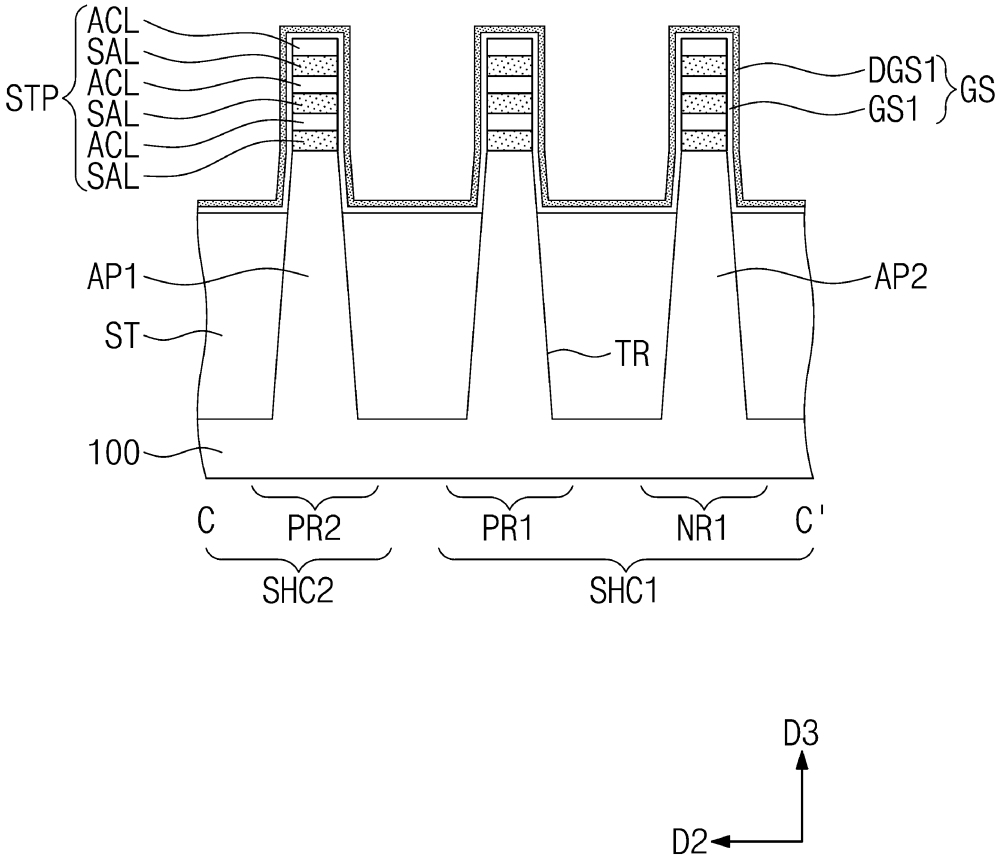

ACL
SAL
ACL
SAL
ACL
SAL
STP
DGS1
GS1
GS
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 8C

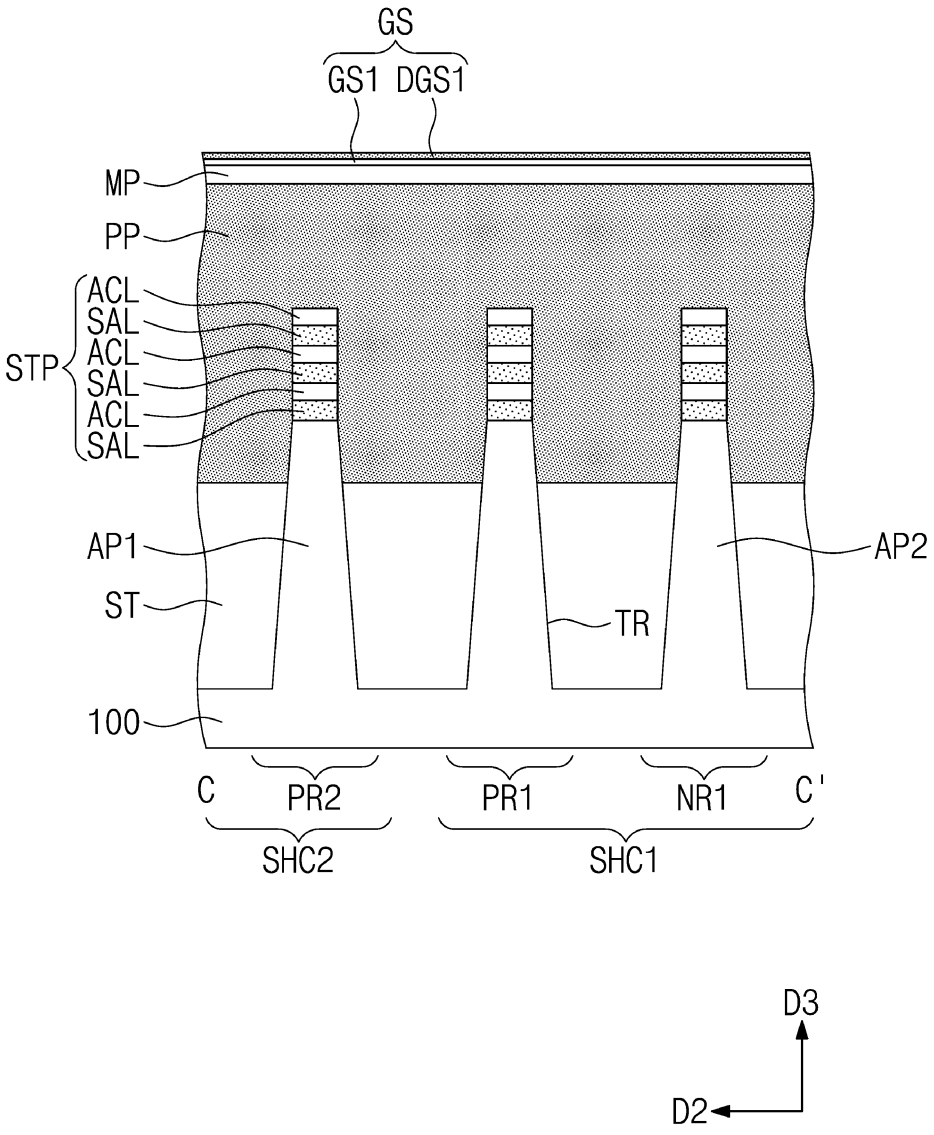

GS
GS1
DGS1
MP
PP
STP
ACL
SAL
ACL
SAL
ACL
SAL
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 9A

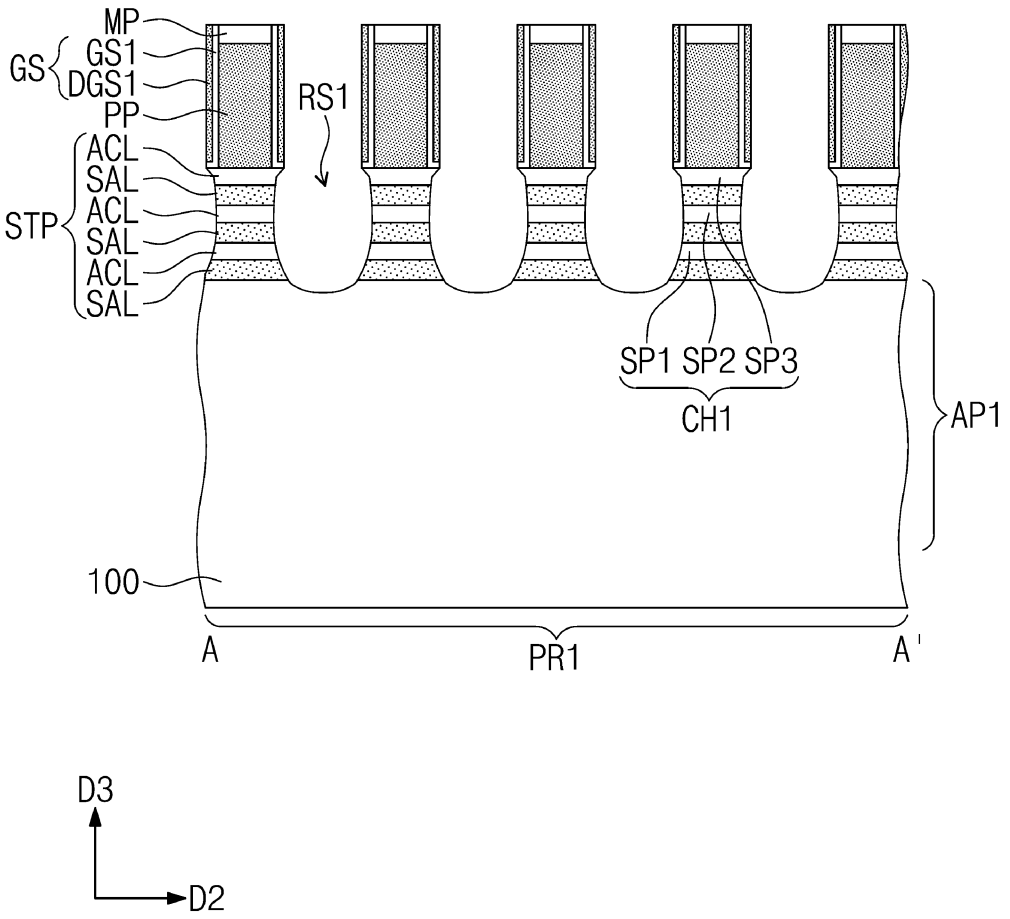

MP
GS
GS1
DGS1
PP
RS1
ACL
SAL
ACL
SAL
ACL
SAL
STP
SP1 SP2 SP3
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 9B

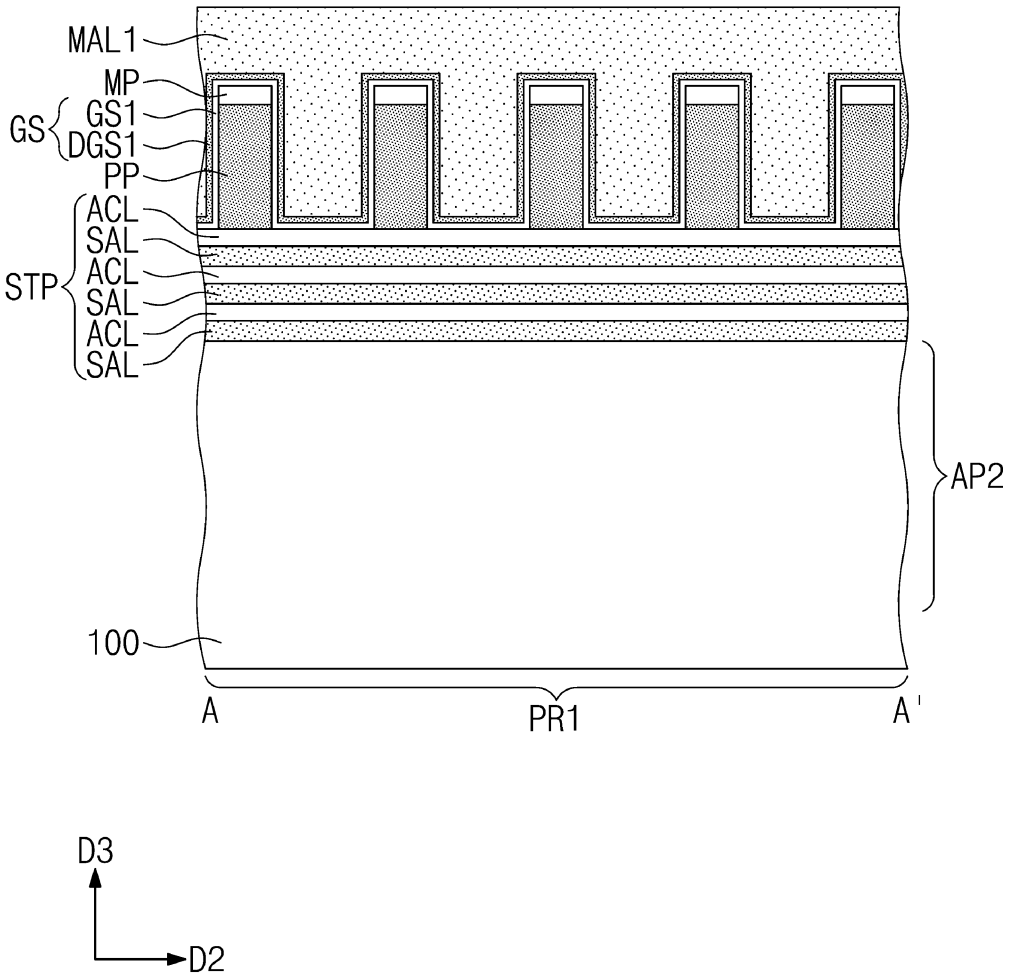

MAL1
MP
GS
GS1
DGS1
PP
ACL
SAL
STP
ACL
SAL
ACL
SAL
AP2
100
A
PR1
A'
D3
D2

FIG. 9C

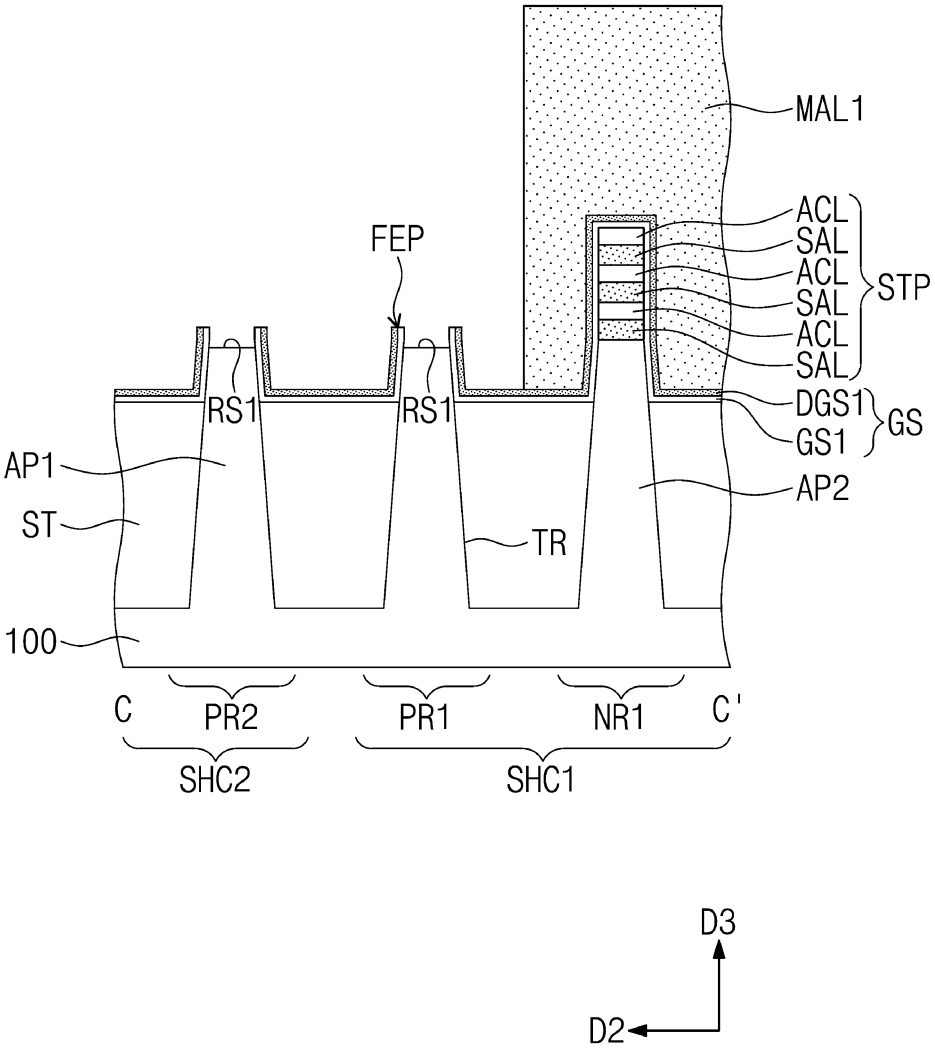

MAL1
ACL
SAL
ACL
SAL
ACL
SAL
STP
FEP
RS1
RS1
DGS1
GS1
GS
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 9D

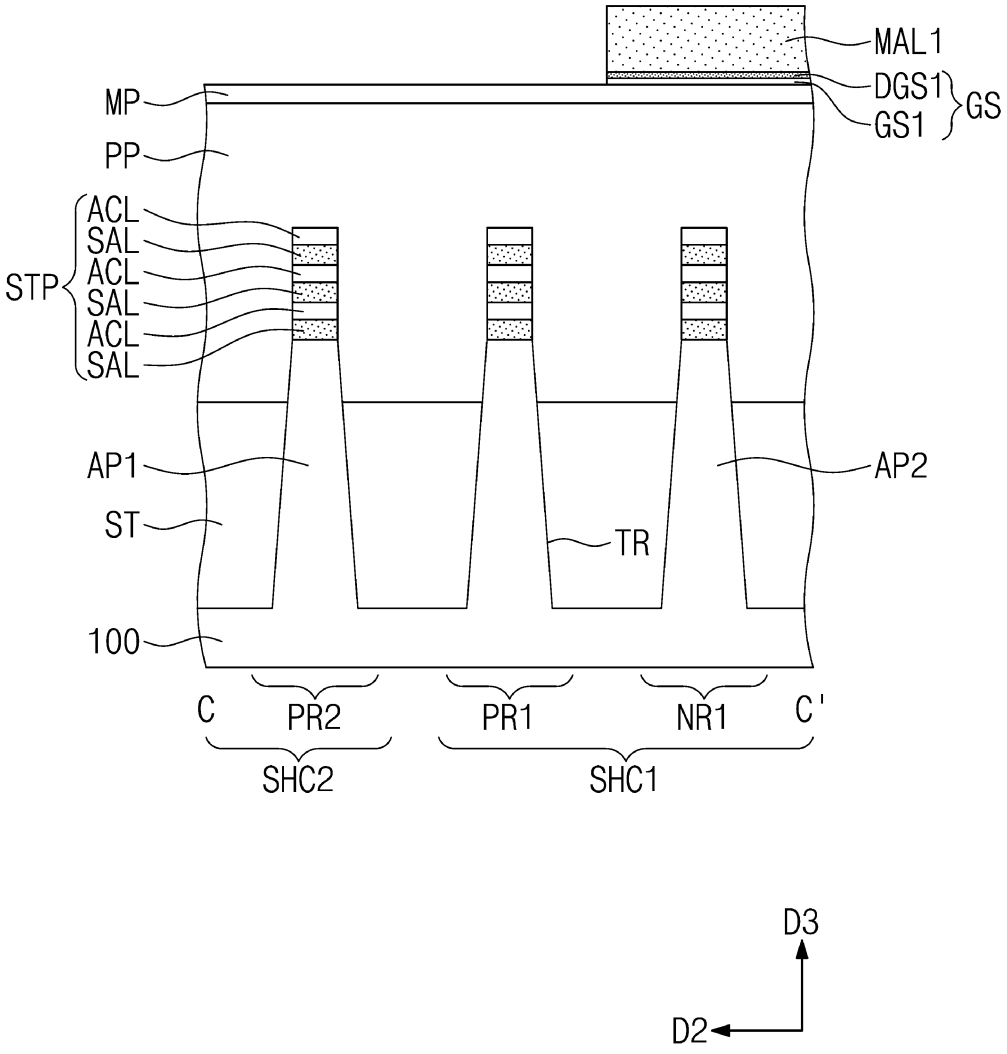

MAL1
DGS1
GS1
GS
MP
PP
ACL
SAL
ACL
SAL
ACL
SAL
STP
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 10A

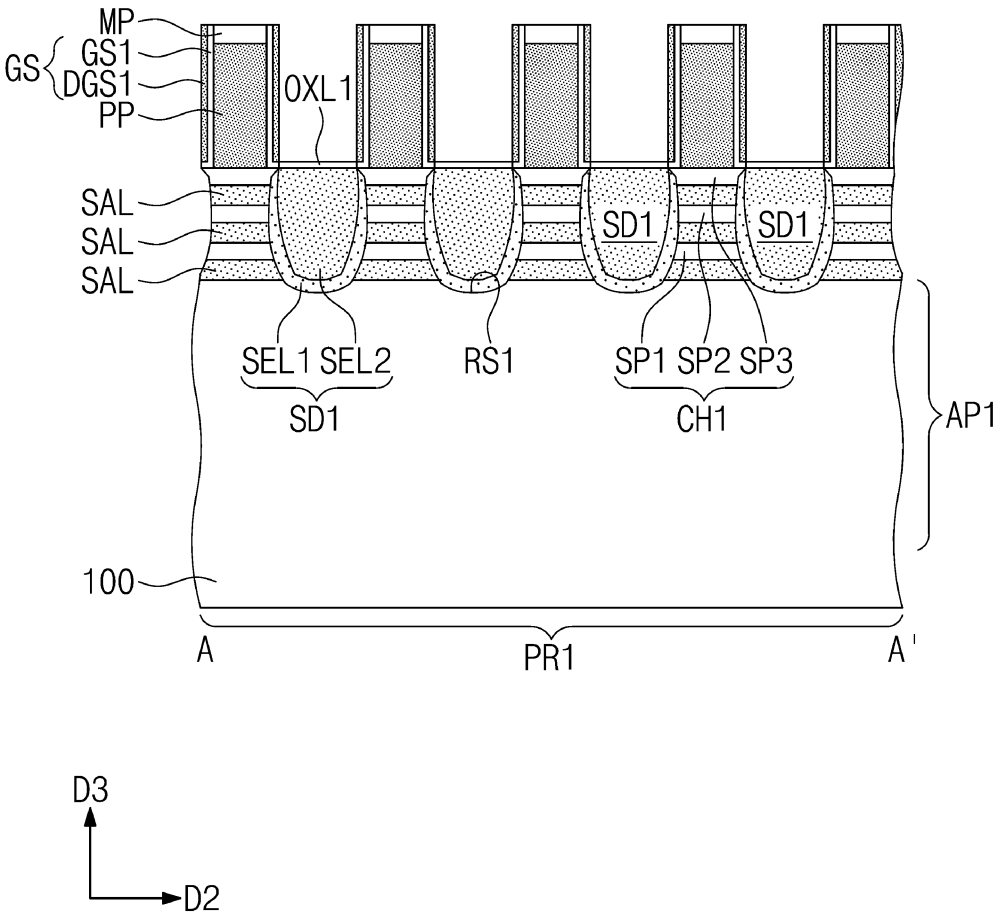

MP
GS
GS1
DGS1
PP
OXL1
SAL
SAL
SAL
SD1
SD1
SEL1 SEL2
SD1
RS1
SP1 SP2 SP3
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 10B

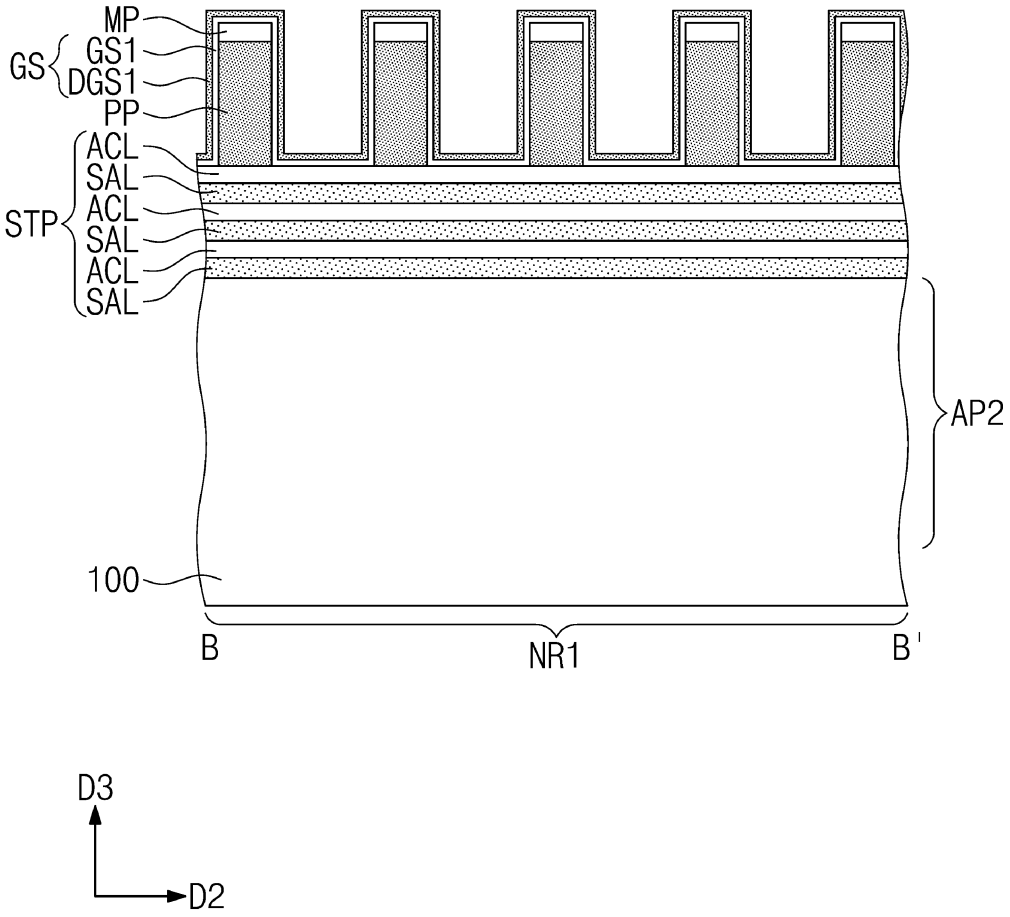


FIG. 10C

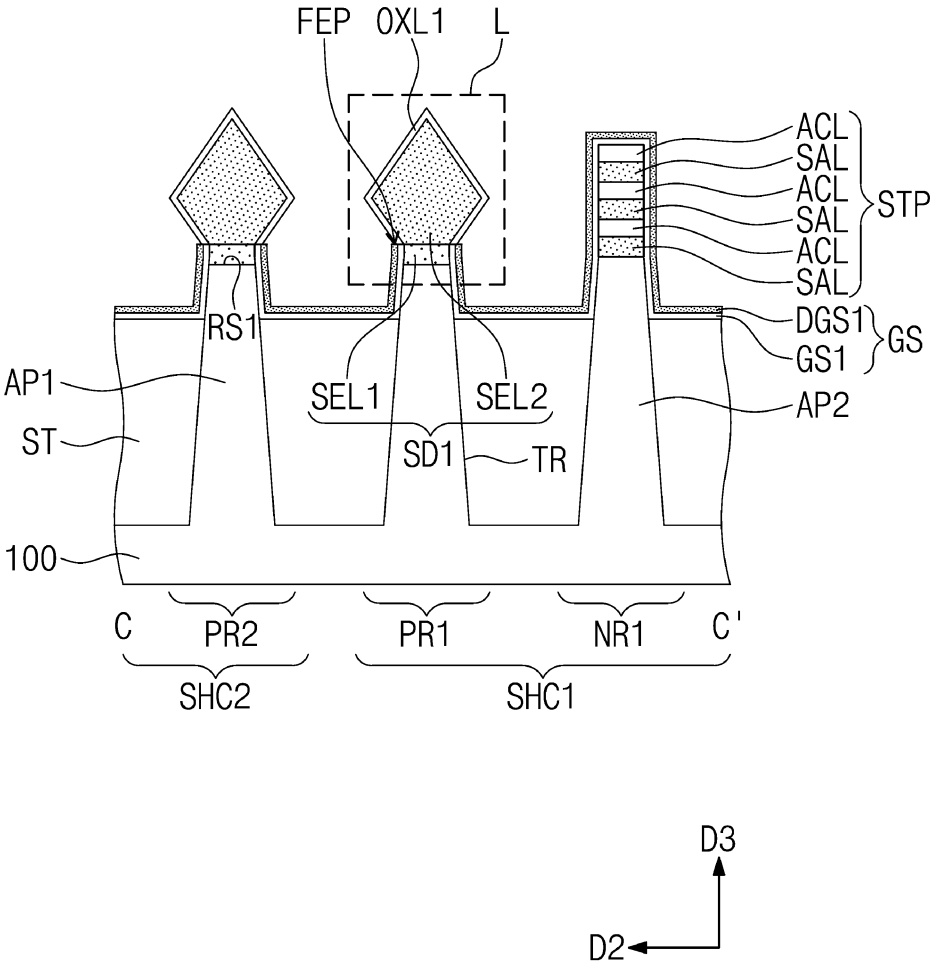
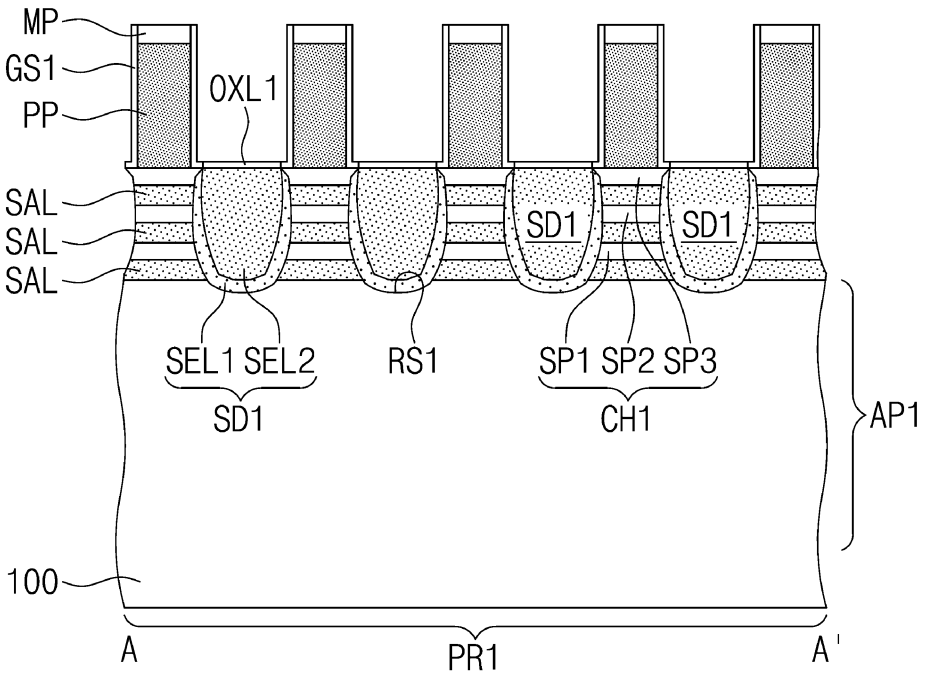

FEP
0XL1
L
ACL
SAL
ACL
SAL
ACL
SAL
STP
RS1
DGS1
GS1
GS
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 11A


MP
GS1
PP
OXL1
SAL
SAL
SAL
SD1
SD1
SEL1 SEL2
SD1
RS1
SP1 SP2 SP3
CH1
AP1
100
A
PR1
A'

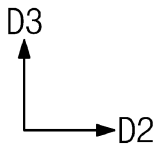

D3
D2

FIG. 11B

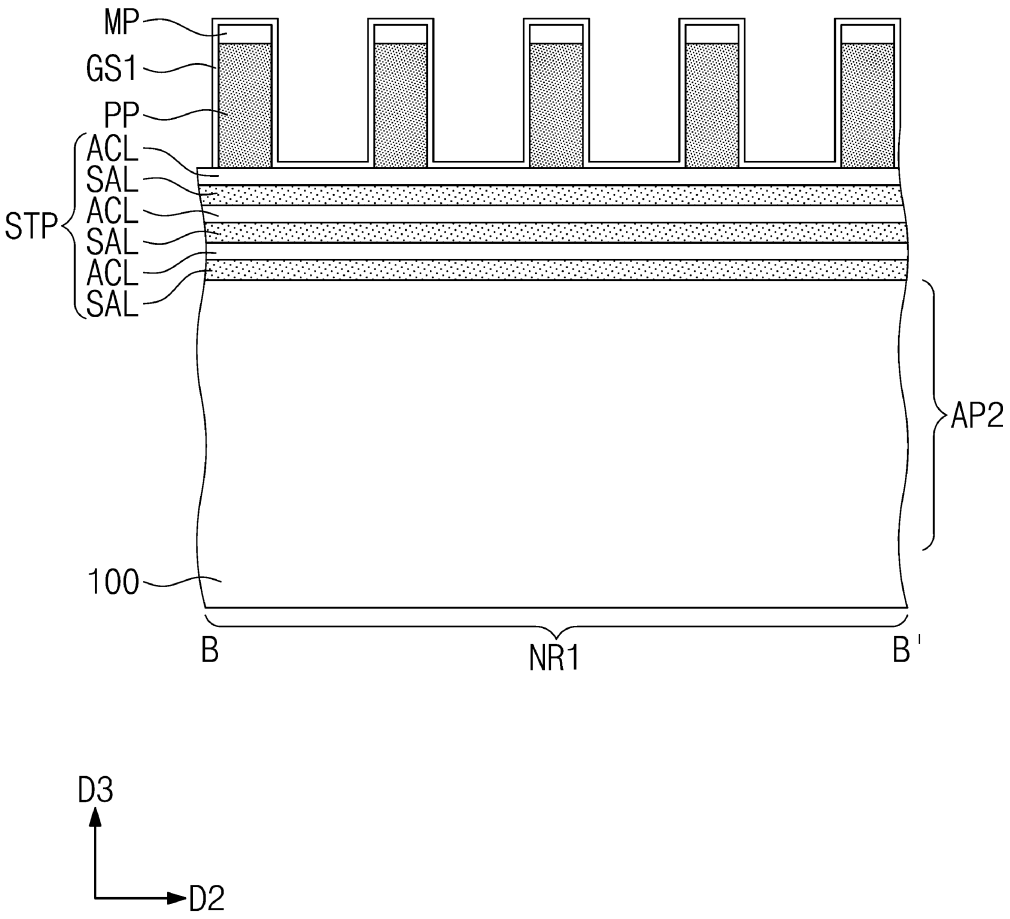


FIG. 11C

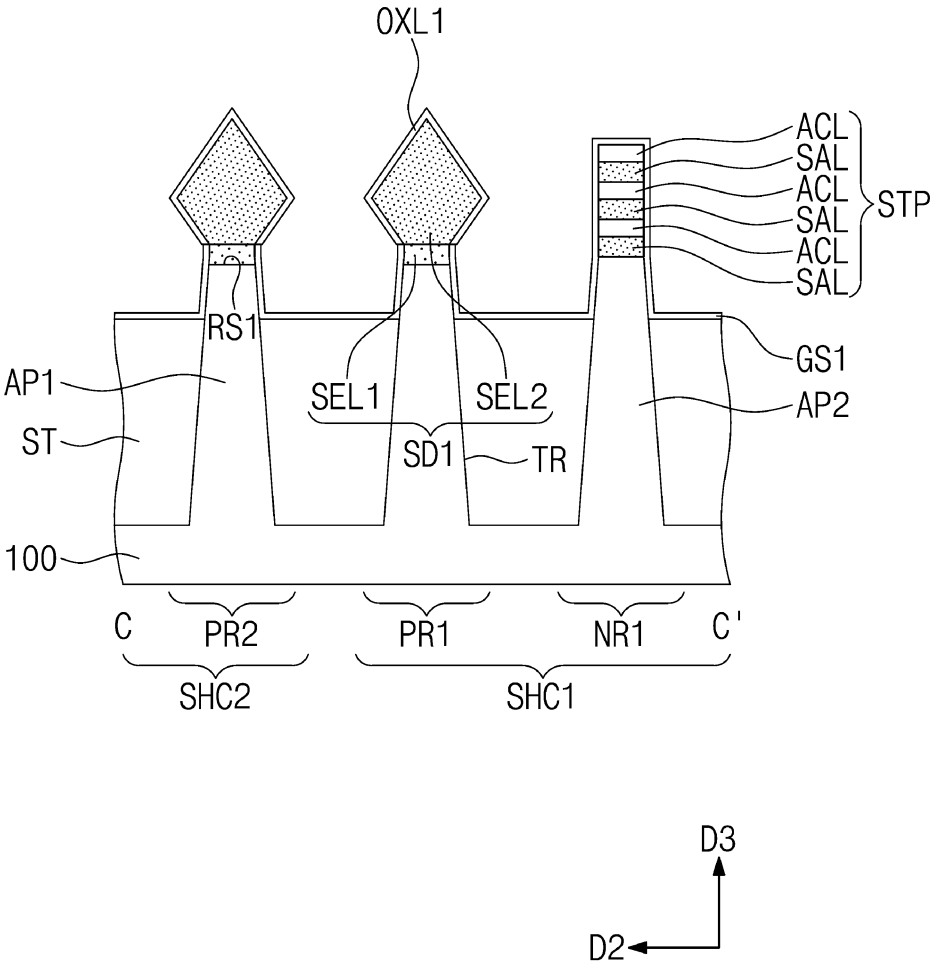

OXL1
ACL
SAL
ACL
SAL
ACL
SAL
STP
RS1
GS1
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 12A

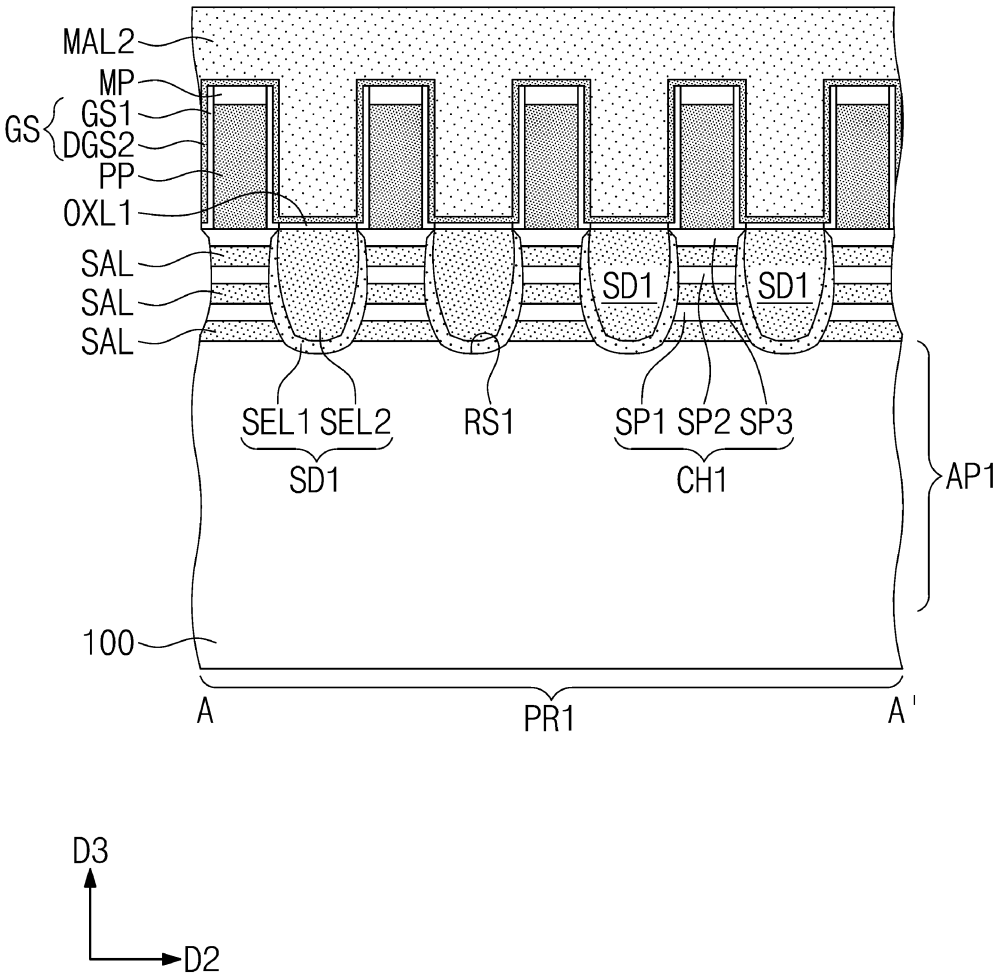

MAL2
MP
GS
GS1
DGS2
PP
OXL1
SAL
SAL
SAL
SD1
SD1
SEL1 SEL2
RS1
SP1 SP2 SP3
SD1
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 12B

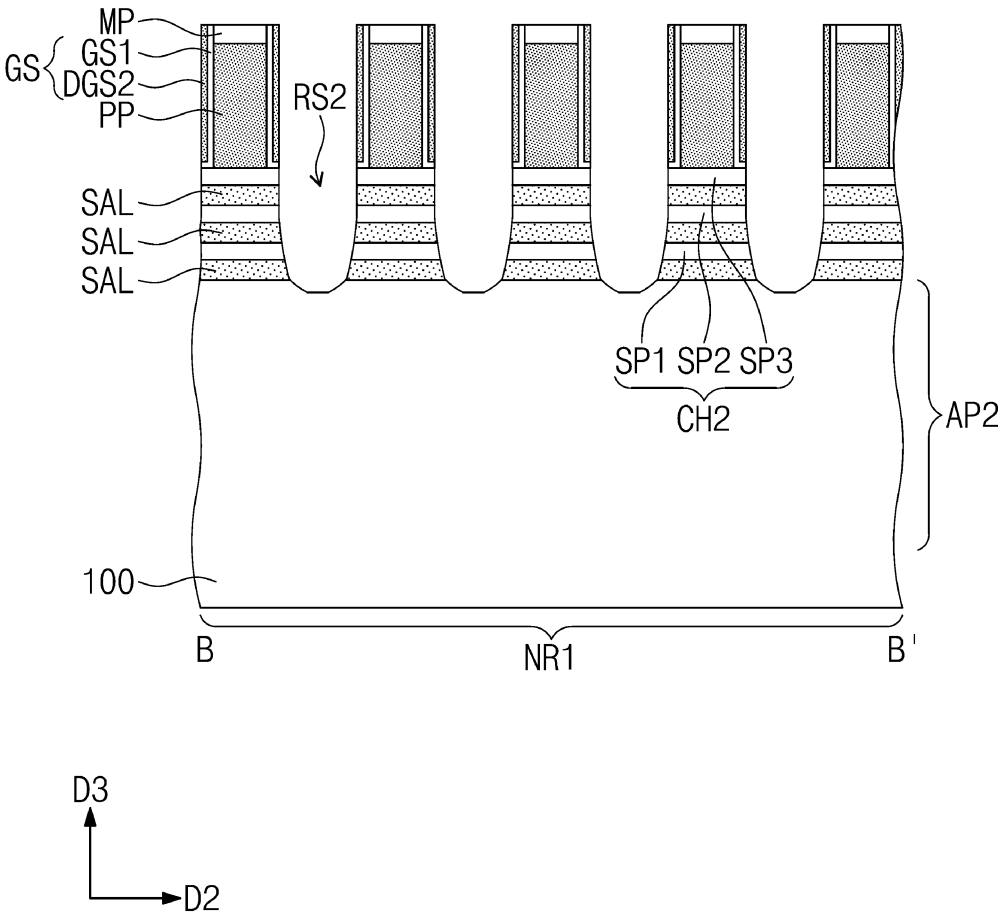

MP
GS
GS1
DGS2
PP
RS2
SAL
SAL
SAL
SP1 SP2 SP3
CH2
AP2
100
B
NR1
B'
D3
D2

FIG. 12C

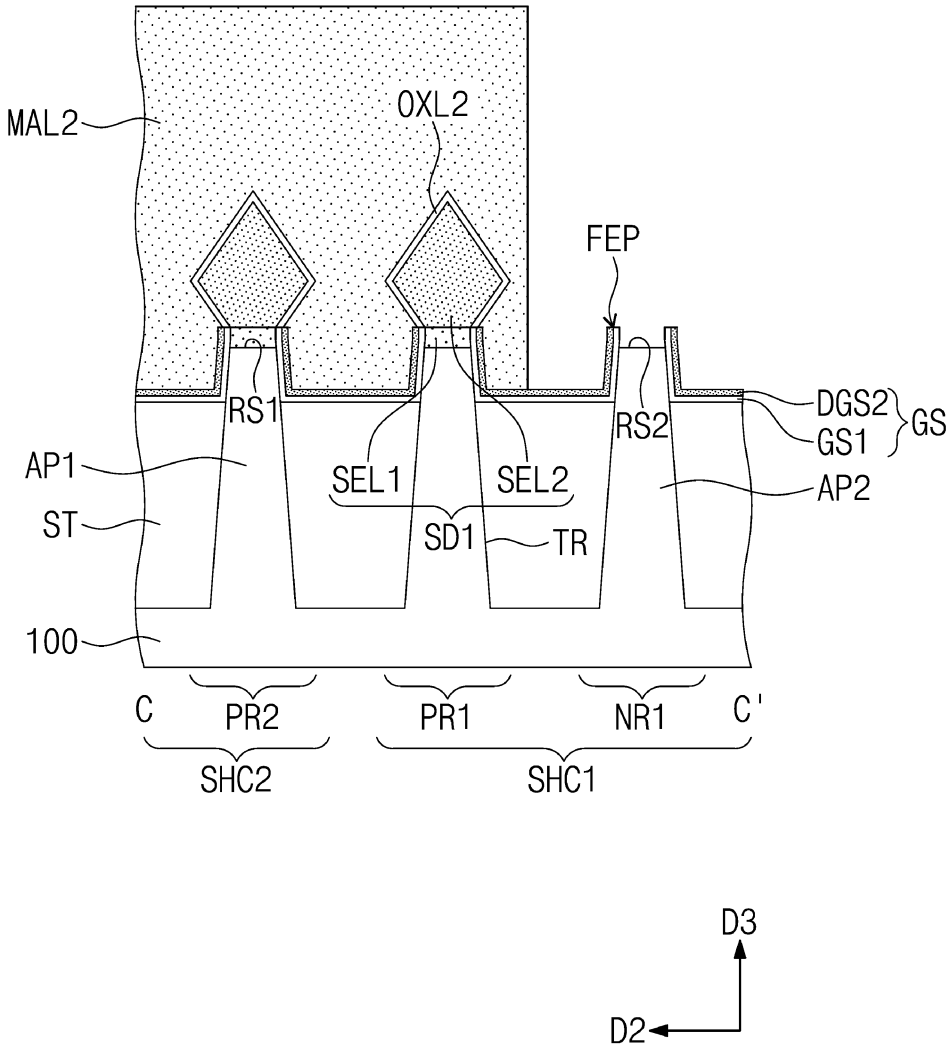

MAL2
OXL2
FEP
RS1
RS2
DGS2
GS1
GS
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 13A

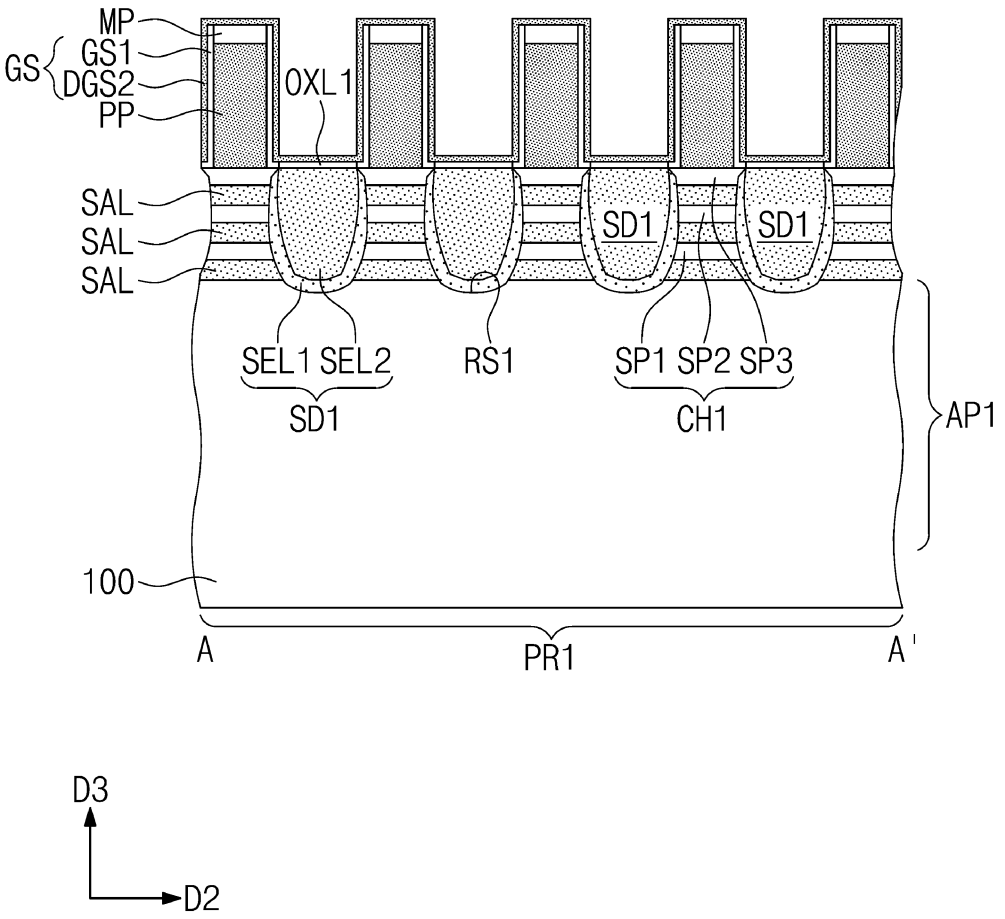

MP
GS
GS1
DGS2
PP
OXL1
SAL
SAL
SAL
SD1
SD1
SEL1
SEL2
RS1
SP1
SP2
SP3
SD1
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 13B

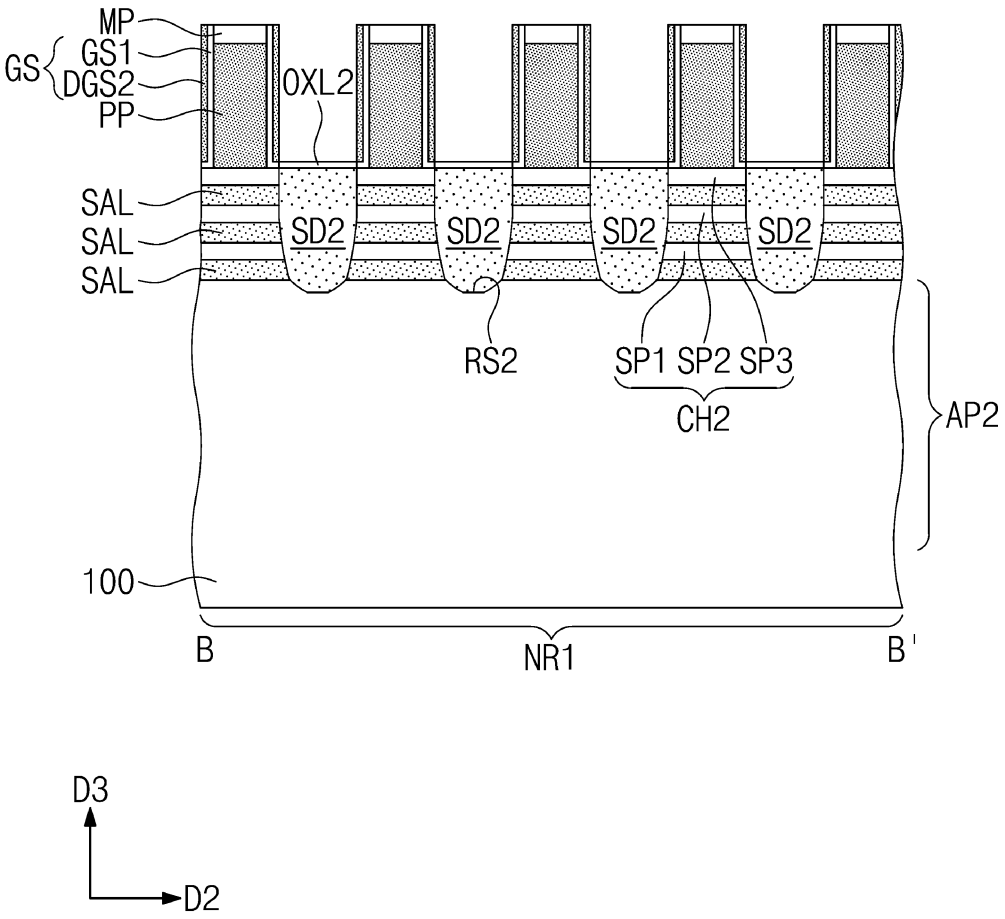

MP
GS
GS1
DGS2
PP
OXL2
SAL
SAL
SAL
SD2
SD2
SD2
SD2
RS2
SP1 SP2 SP3
CH2
AP2
100
B
NR1
B'
D3
D2

FIG. 13C

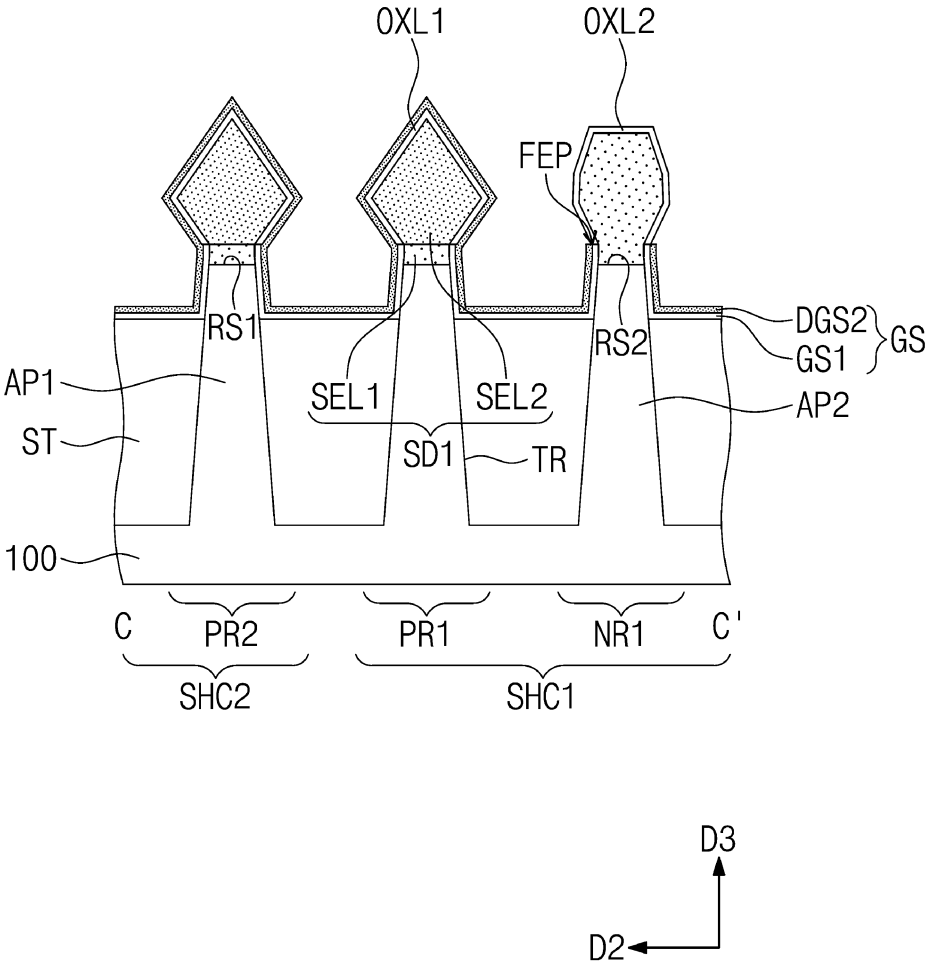

OXL1
OXL2
FEP
RS1
RS2
DGS2
GS1
GS
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 14A

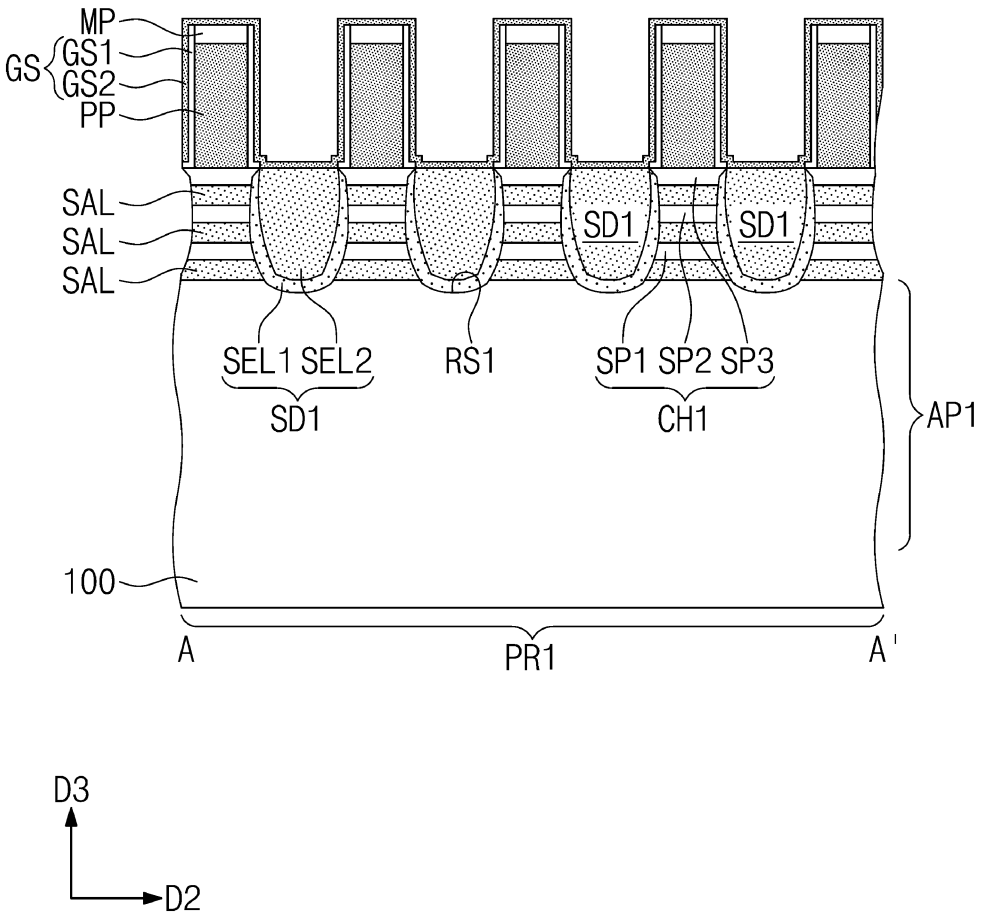

MP
GS
GS1
GS2
PP
SAL
SAL
SAL
SD1
SD1
SEL1 SEL2
RS1
SP1 SP2 SP3
SD1
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 14B

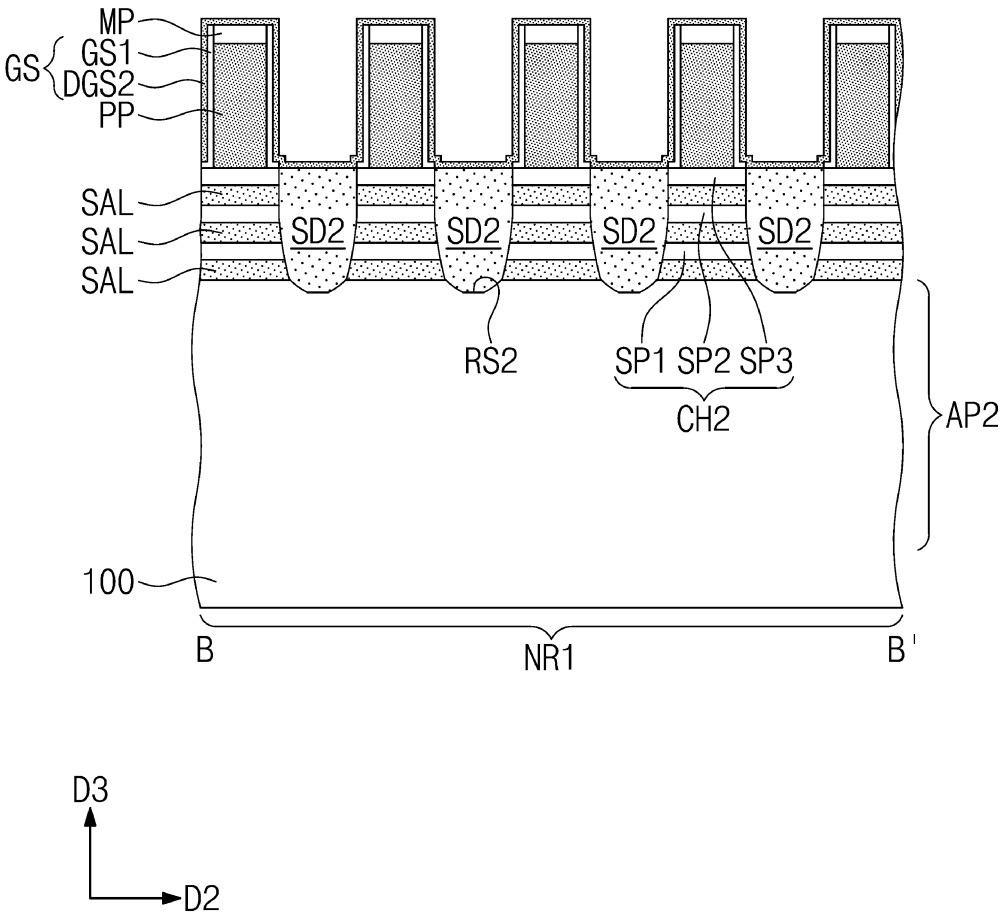

MP
GS
GS1
DGS2
PP
SAL
SAL
SAL
SD2
SD2
SD2
SD2
RS2
SP1 SP2 SP3
CH2
AP2
100
B
NR1
B'
D3
D2

FIG. 14C

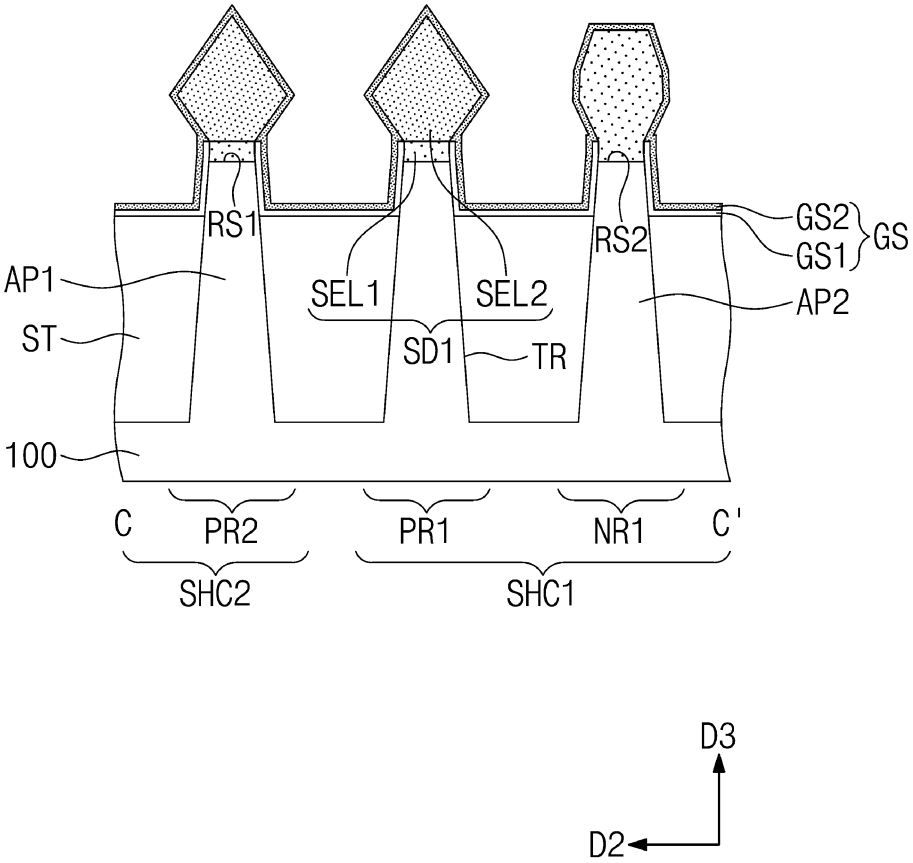

RS1
RS2
GS2
GS1
GS
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 15A

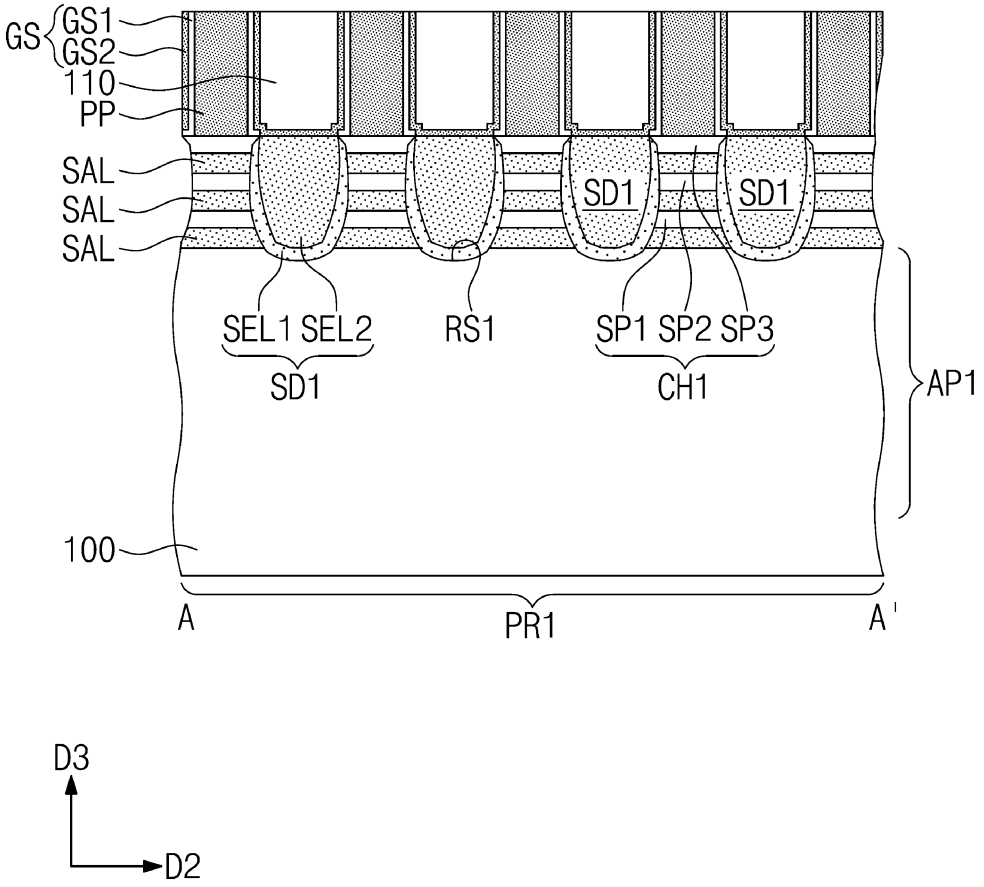

GS
GS1
GS2
110
PP
SAL
SAL
SAL
SD1
SD1
SEL1 SEL2
SD1
RS1
SP1 SP2 SP3
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 15B

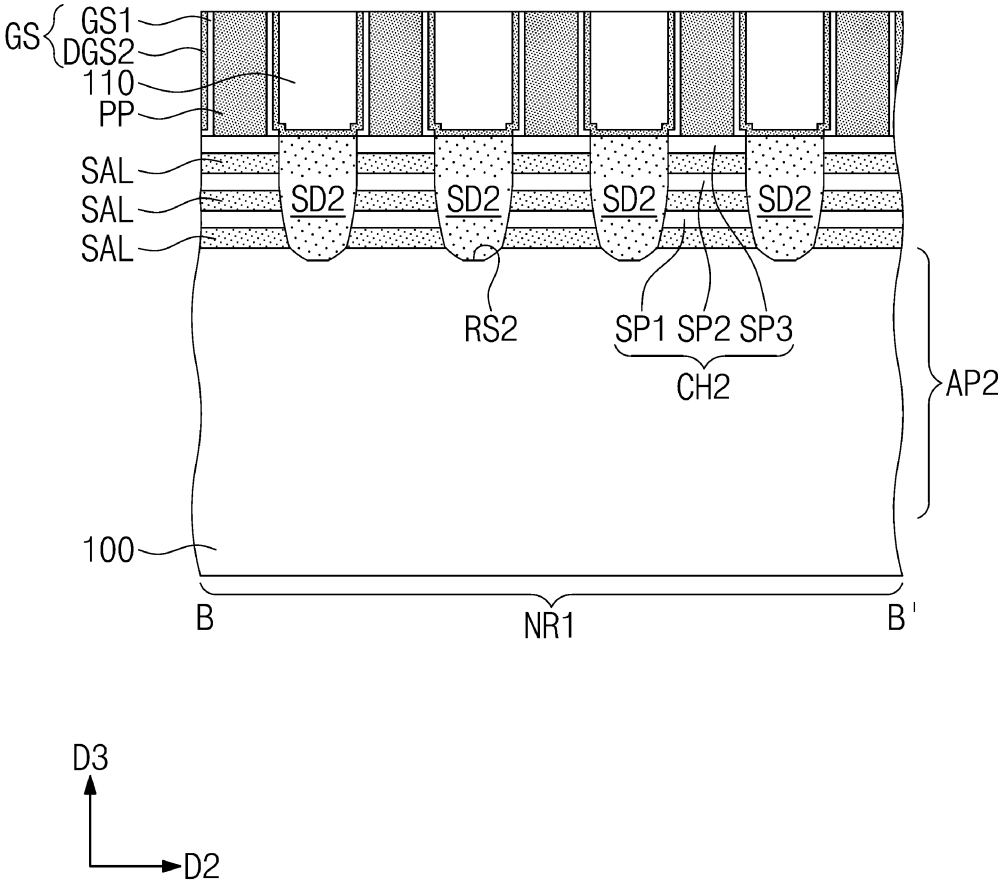

GS
GS1
DGS2
110
PP
SAL
SAL
SAL
SD2
SD2
SD2
SD2
RS2
SP1 SP2 SP3
CH2
AP2
100
B
NR1
B'
D3
D2

FIG. 15C

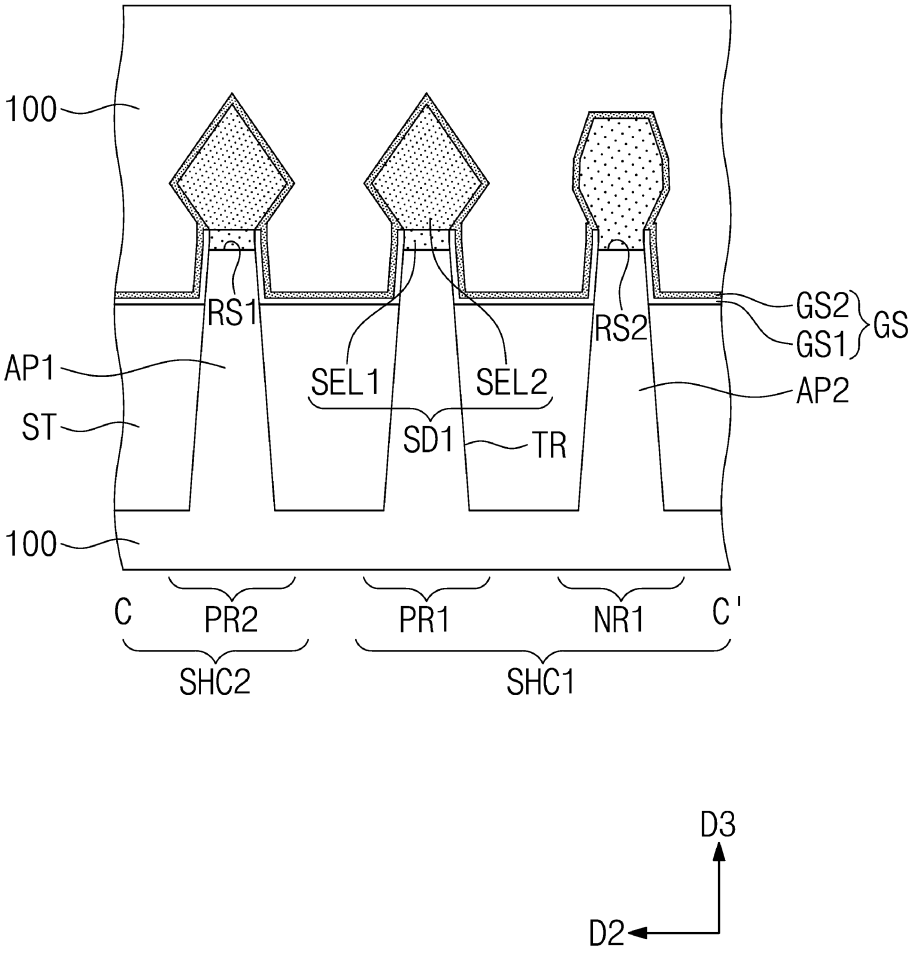

100
RS1
RS2
GS2
GS1
GS
AP1
SEL1
SEL2
AP2
ST
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 15D

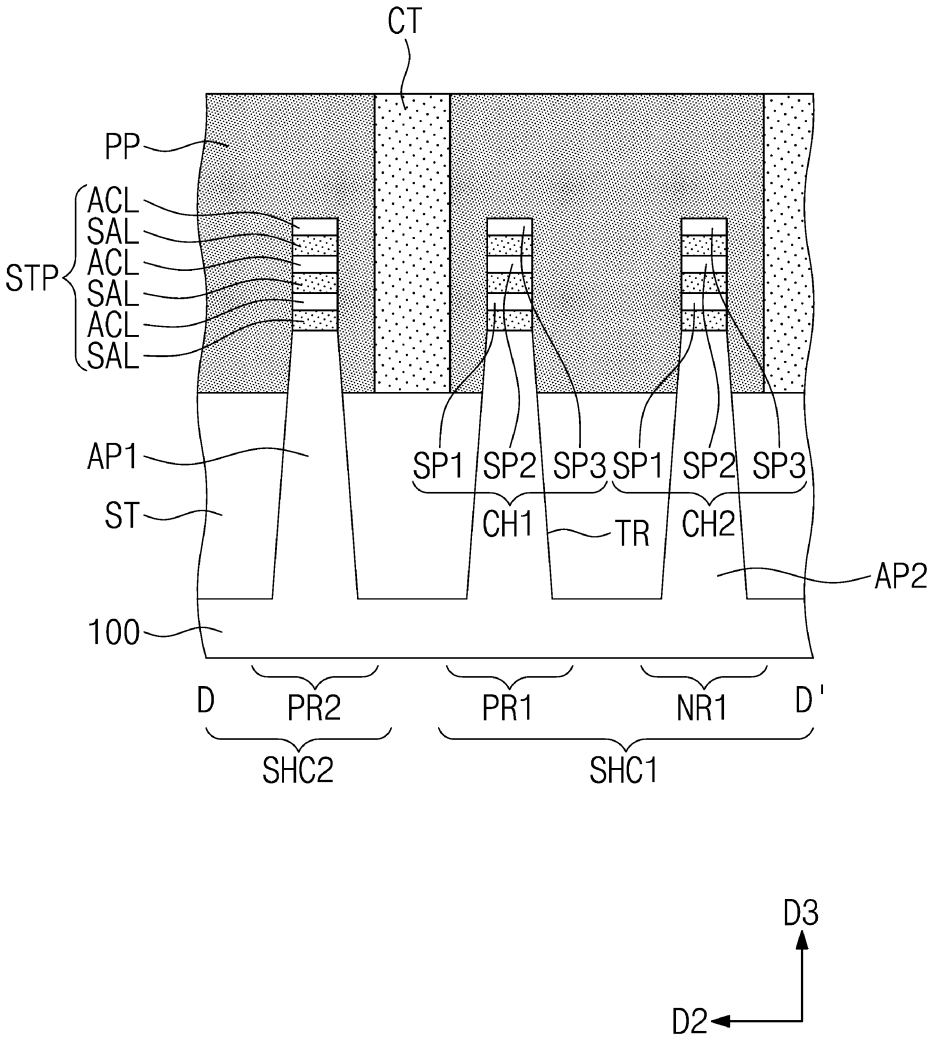

CT
PP
ACL
SAL
ACL
SAL
ACL
SAL
STP
AP1
ST
100
SP1
SP2
SP3
SP1
SP2
SP3
CH1
TR
CH2
AP2
D
PR2
PR1
NR1
D'
SHC2
SHC1
D3
D2

FIG. 16A

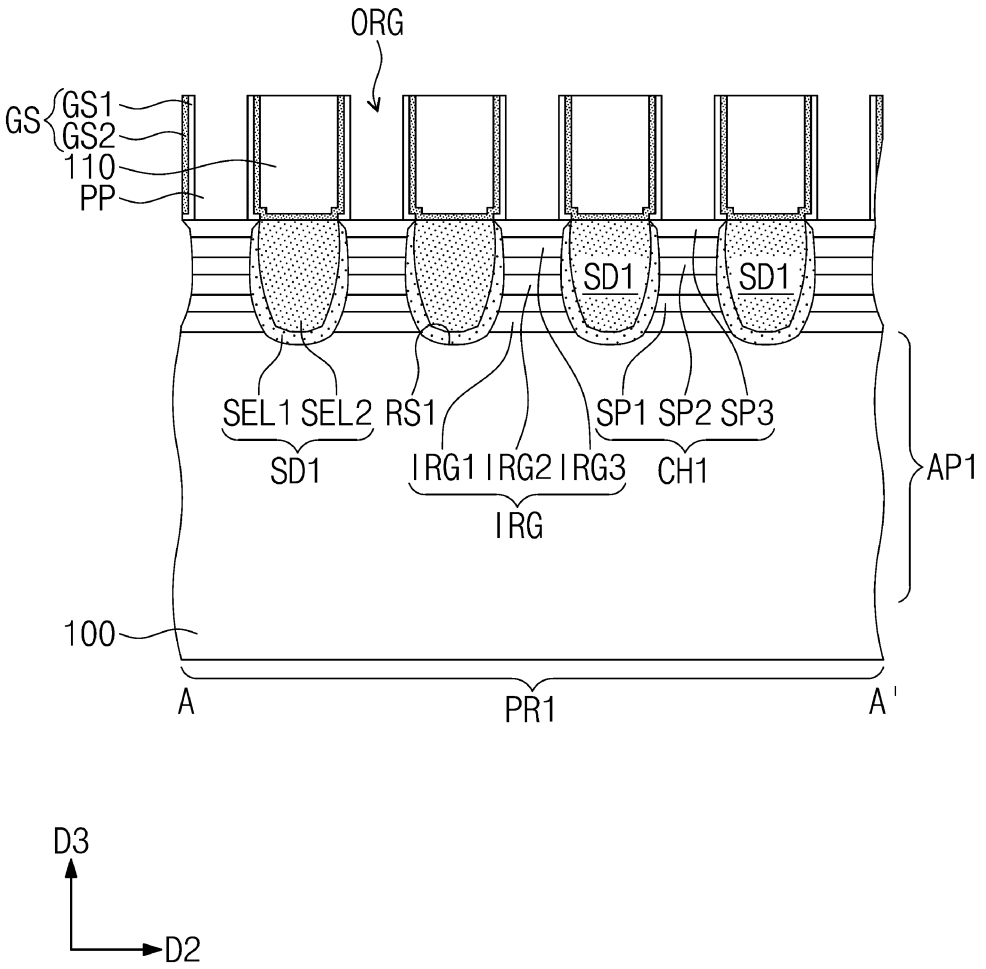

ORG
GS
GS1
GS2
110
PP
SD1
SD1
SEL1
SEL2
RS1
SP1
SP2
SP3
SD1
IRG1
IRG2
IRG3
CH1
IRG
AP1
100
A
PR1
A'
D3
D2

FIG. 16B

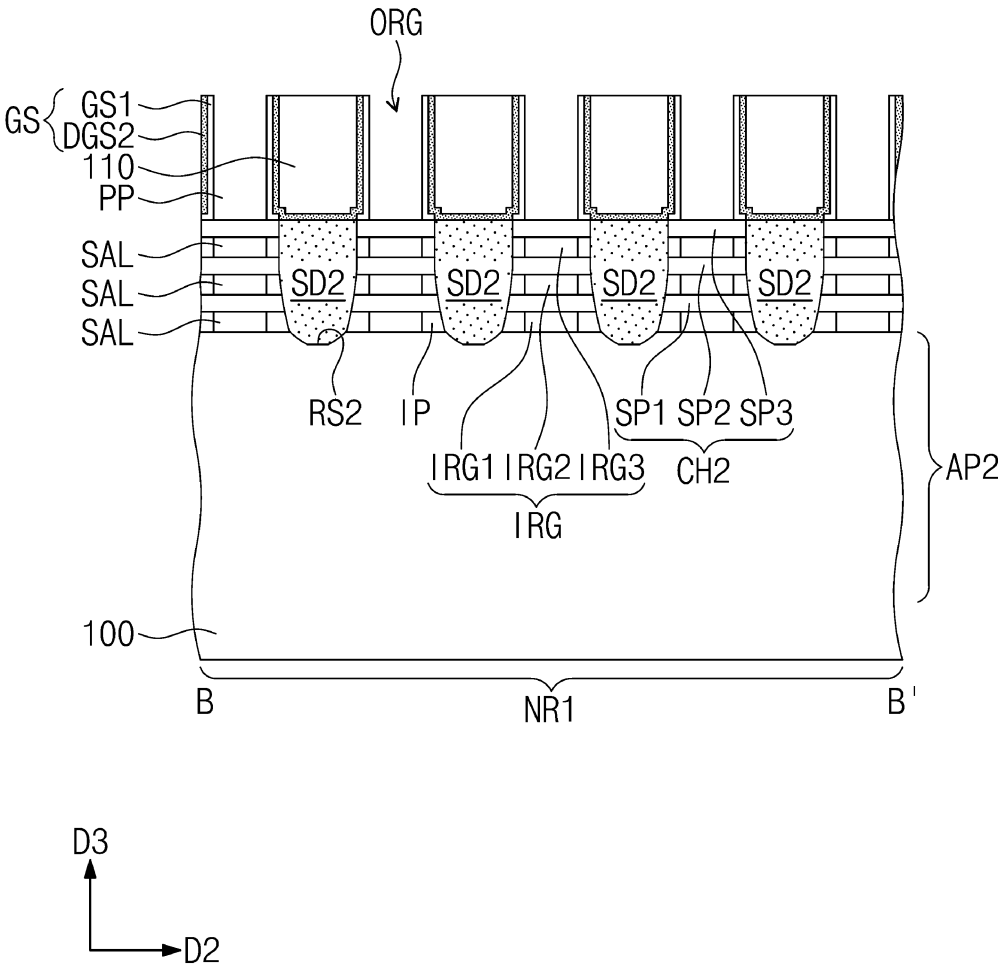

ORG
GS
GS1
DGS2
110
PP
SAL
SAL
SAL
SD2
SD2
SD2
SD2
RS2
IP
IRG1
IRG2
IRG3
IRG
SP1
SP2
SP3
CH2
AP2
100
B
NR1
B'
D3
D2

FIG. 16C

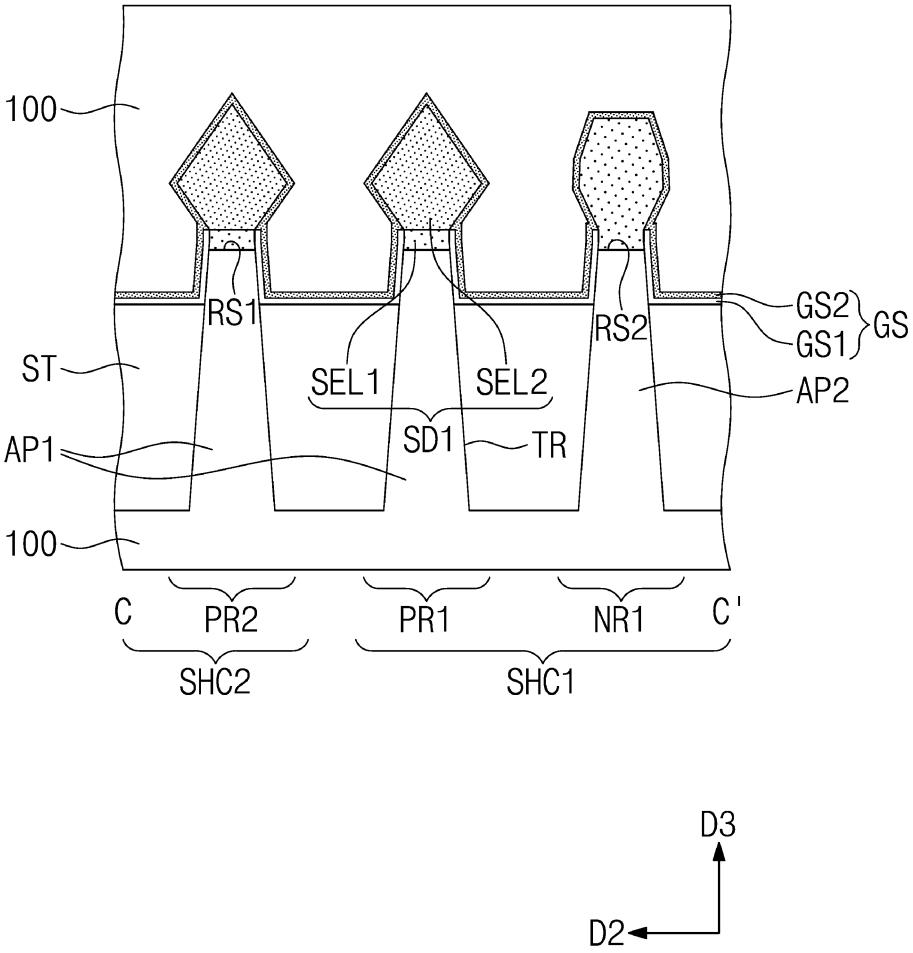

100
RS1
RS2
GS2
GS1
GS
ST
SEL1
SEL2
AP2
AP1
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 16D

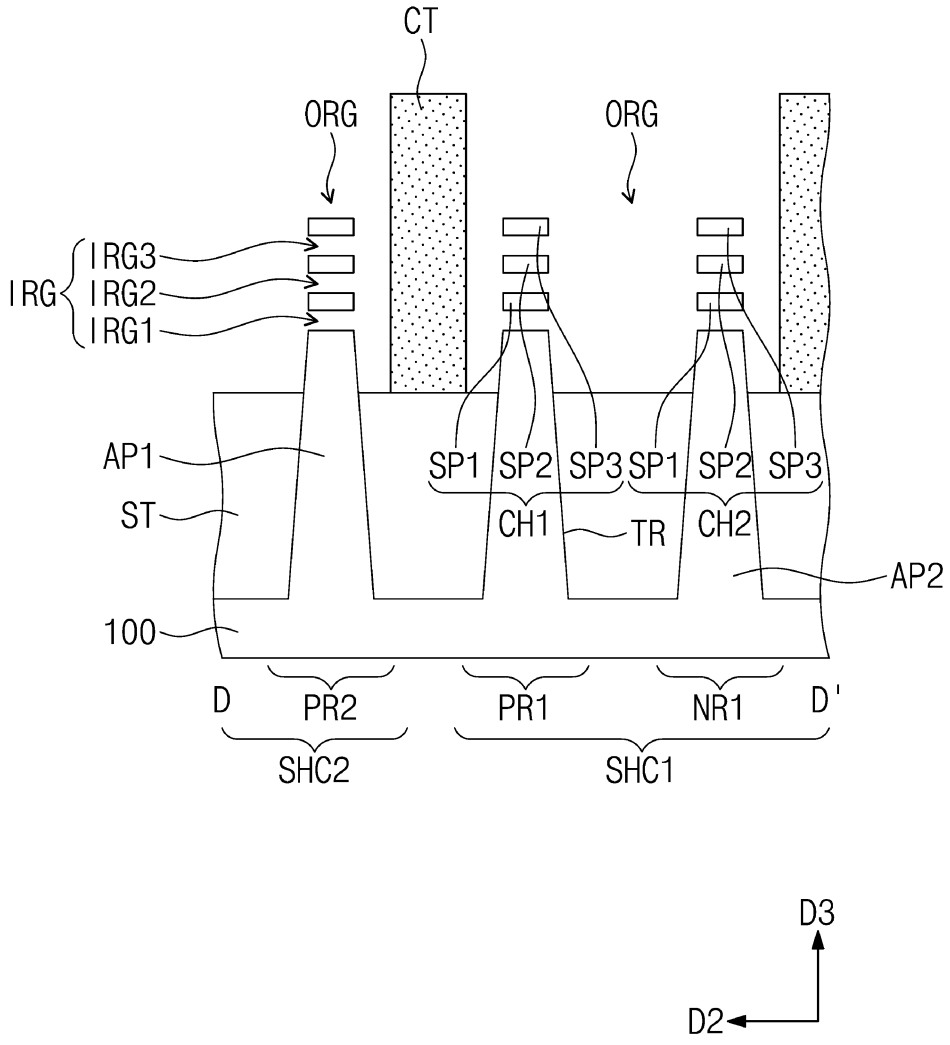

CT
ORG
ORG
IRG
IRG3
IRG2
IRG1
AP1
ST
100
SP1
SP2
SP3
SP1
SP2
SP3
CH1
TR
CH2
AP2
D
PR2
PR1
NR1
D'
SHC2
SHC1
D3
D2

FIG. 17A

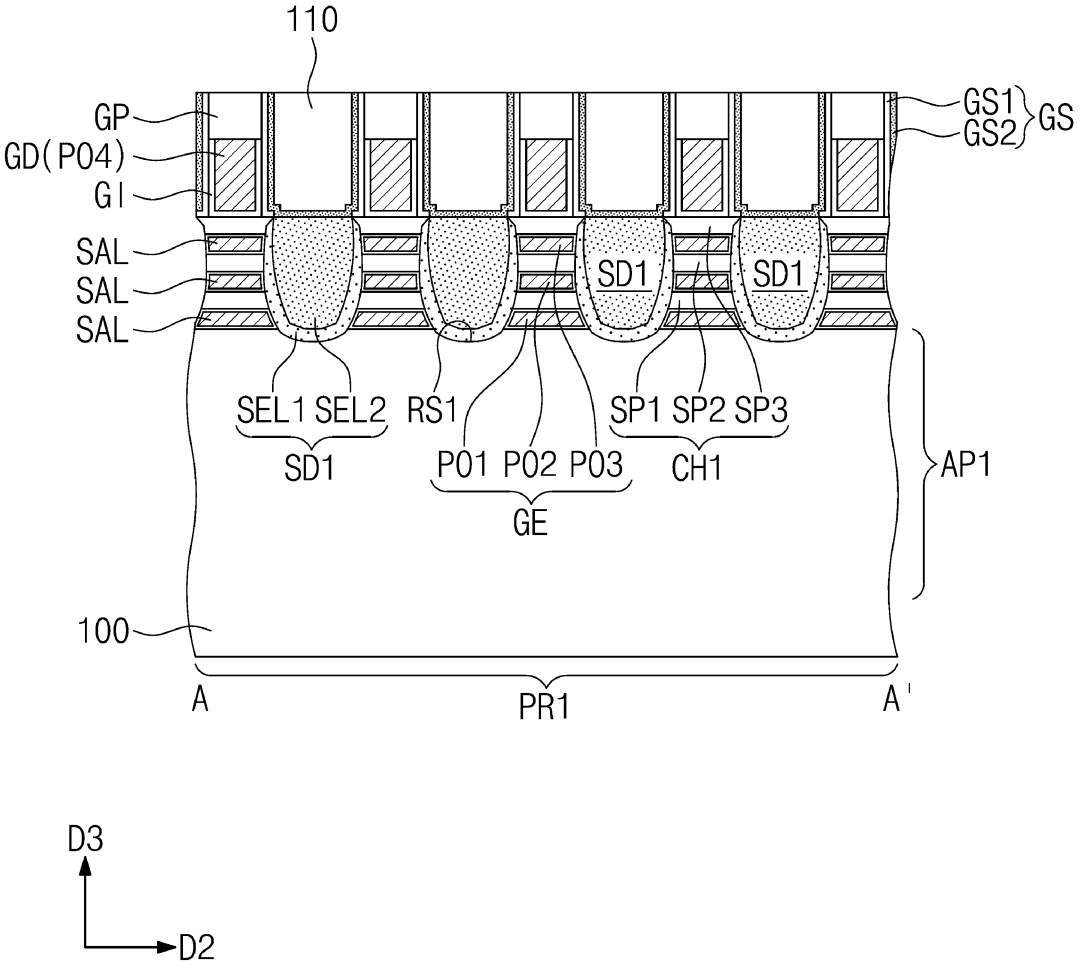

110
GP
GD(P04)
GI
SAL
SAL
SAL
GS1
GS2
GS
SD1
SD1
SEL1
SEL2
SD1
RS1
P01
P02
P03
GE
SP1
SP2
SP3
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 17B

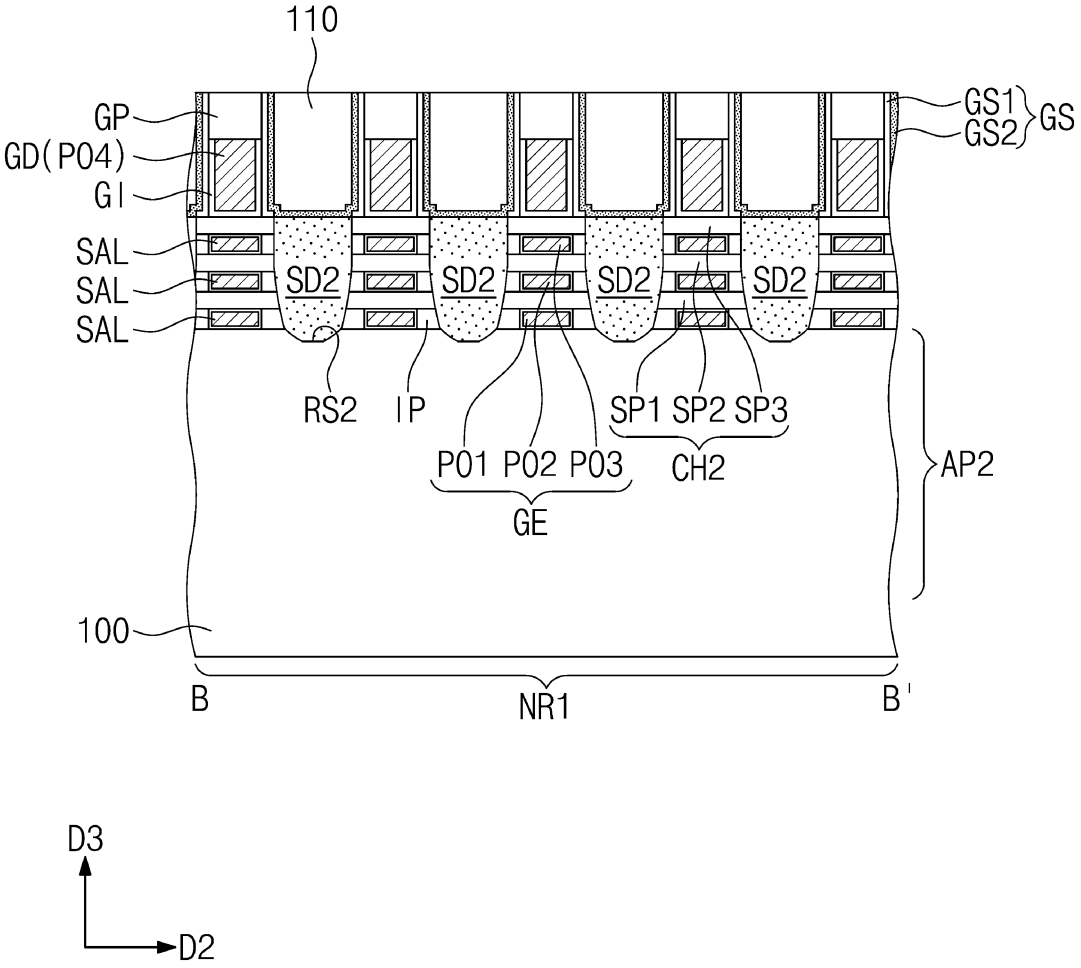

110
GP
GD(P04)
GI
SAL
SAL
SAL
GS1
GS2
GS
SD2
SD2
SD2
SD2
RS2
IP
SP1 SP2 SP3
P01 P02 P03
CH2
GE
AP2
100
B
NR1
B'
D3
D2

FIG. 17C

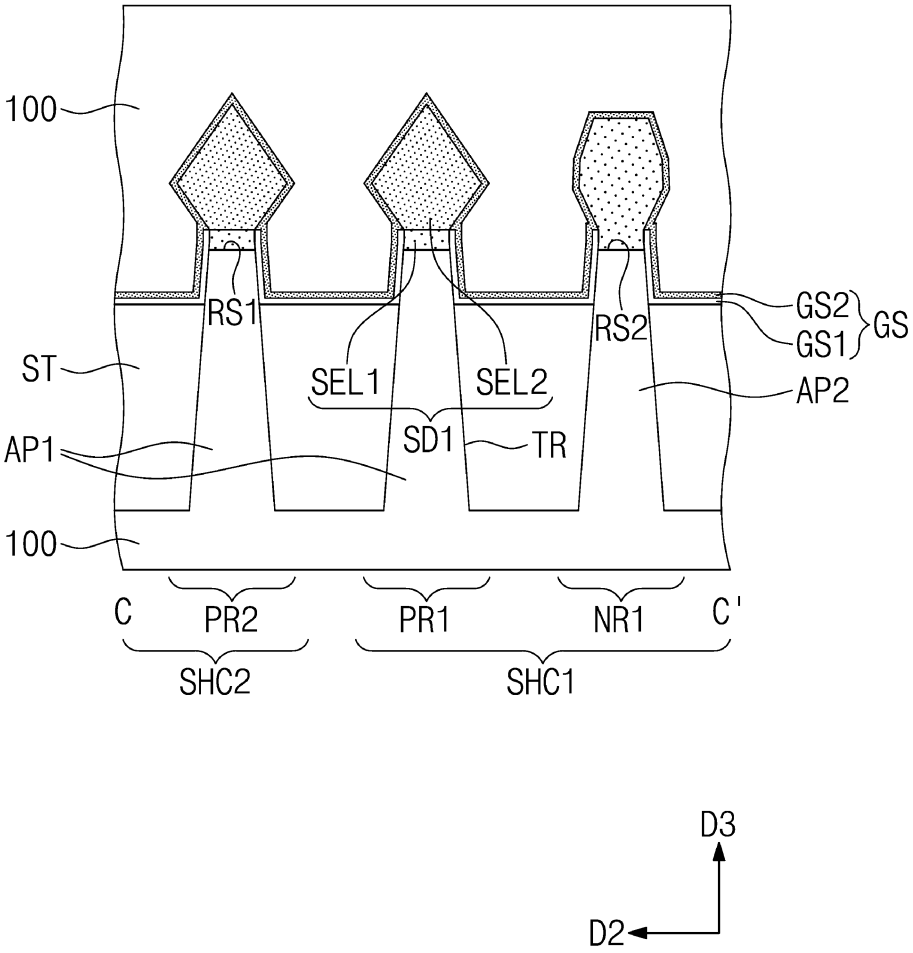
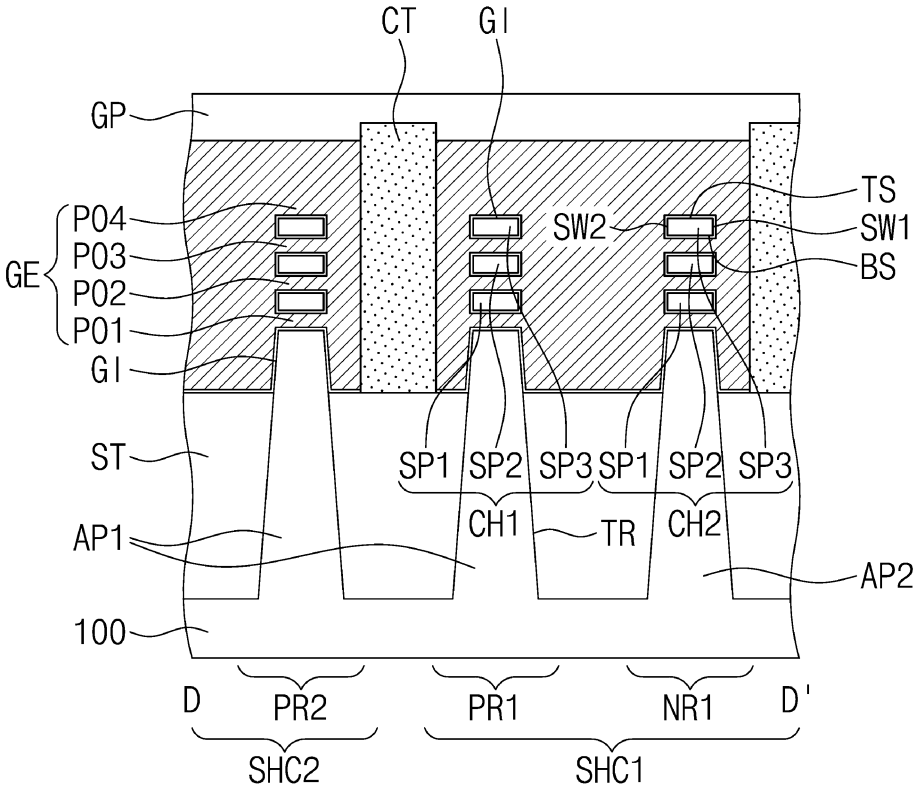

100
RS1
RS2
GS2
GS1
GS
ST
SEL1
SEL2
AP2
AP1
SD1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 17D


CT
GI
GP
TS
SW1
BS
SW2
GE
P04
P03
P02
P01
GI
ST
SP1
SP2
SP3
SP1
SP2
SP3
CH1
TR
CH2
AP1
AP2
100
D
PR2
PR1
NR1
D'
SHC2
SHC1

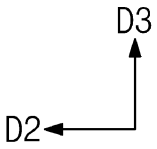

D3
D2

FIG. 18A

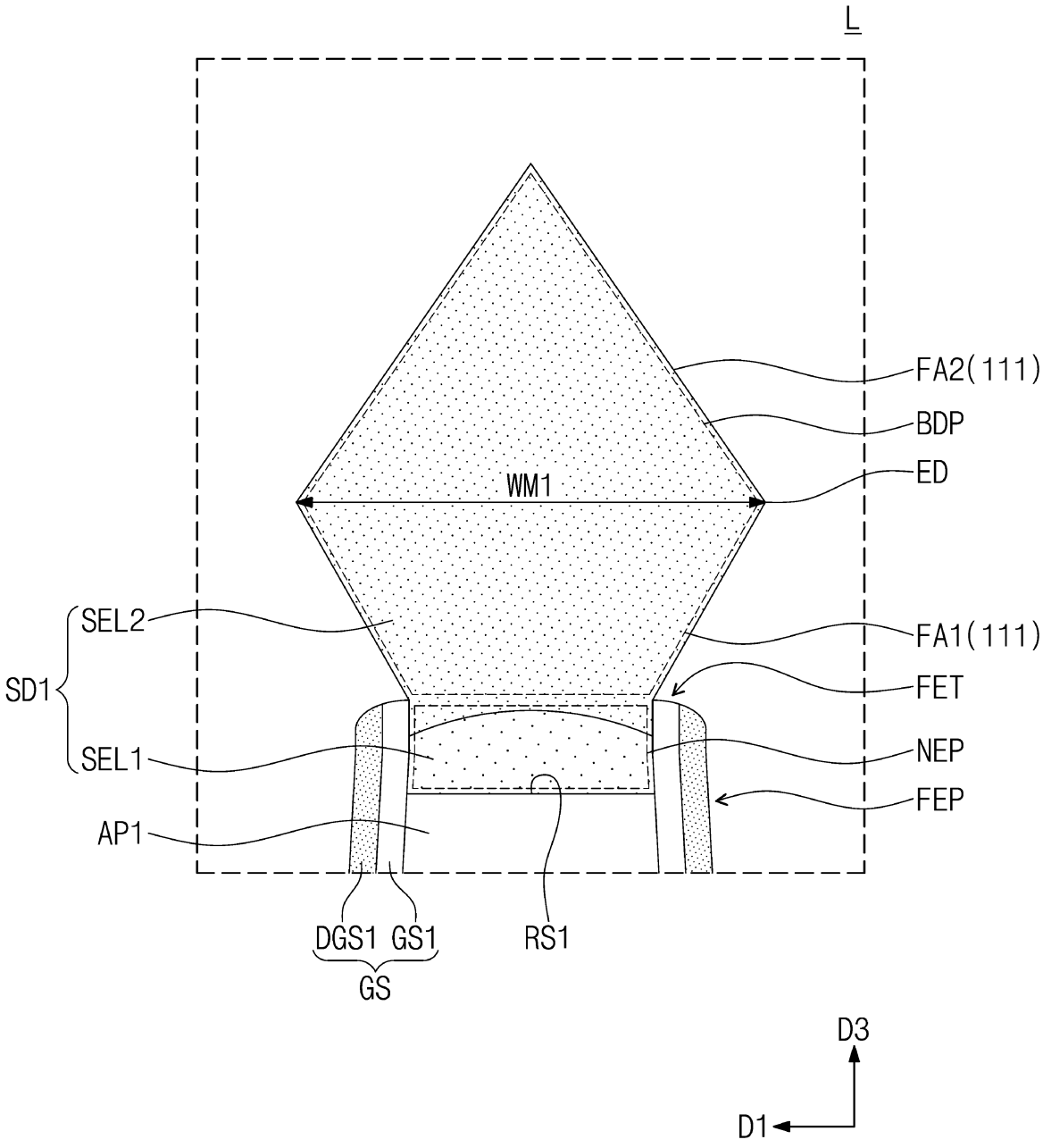

L
FA2(111)
BDP
ED
WM1
SEL2
SD1
SEL1
FA1(111)
FET
NEP
FEP
AP1
DGS1
GS1
GS
RS1
D3
D1

FIG. 18B

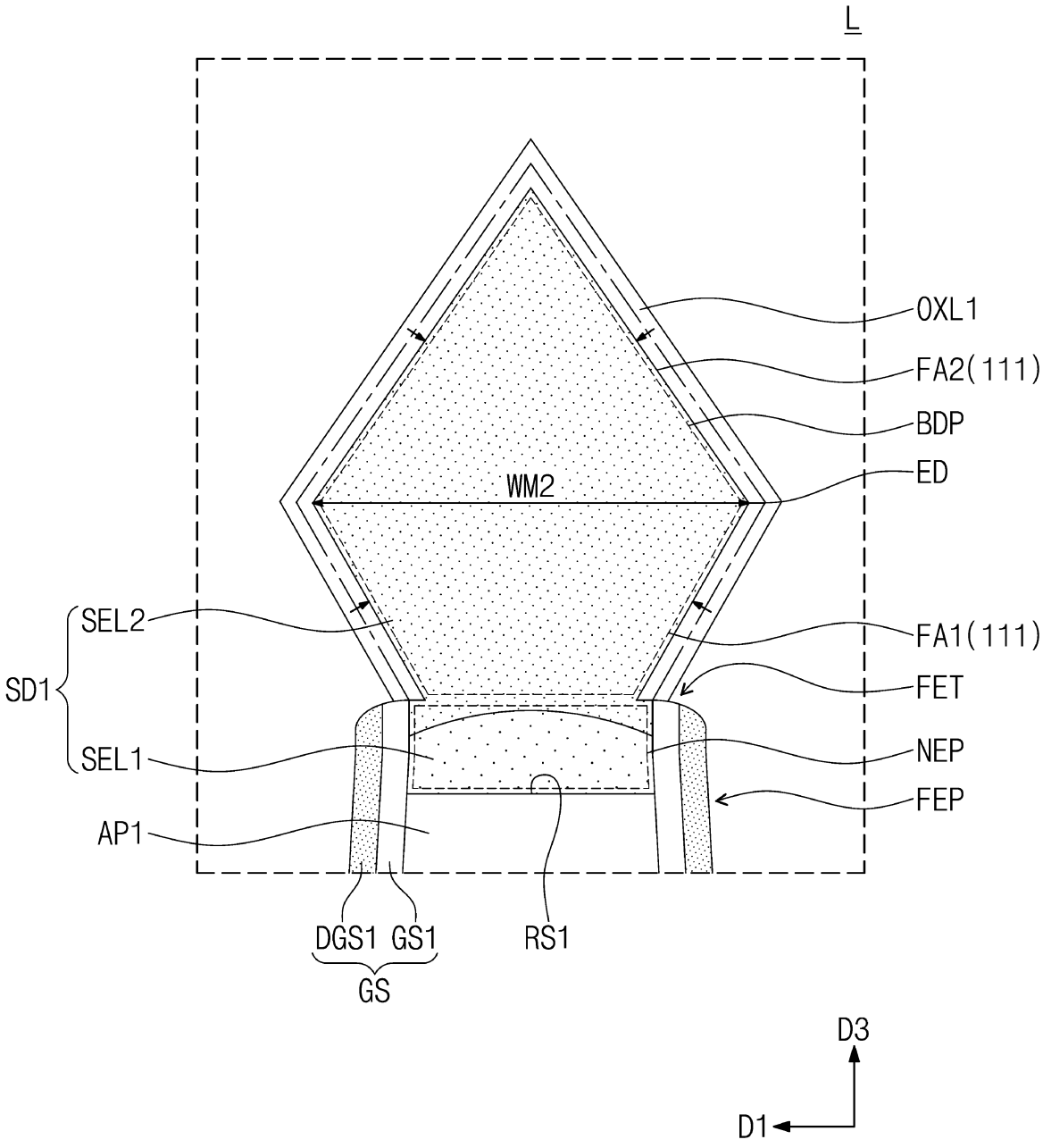

L
OXL1
FA2(111)
BDP
ED
WM2
SEL2
SD1
SEL1
AP1
FA1(111)
FET
NEP
FEP
DGS1
GS1
GS
RS1
D3
D1

FIG. 19

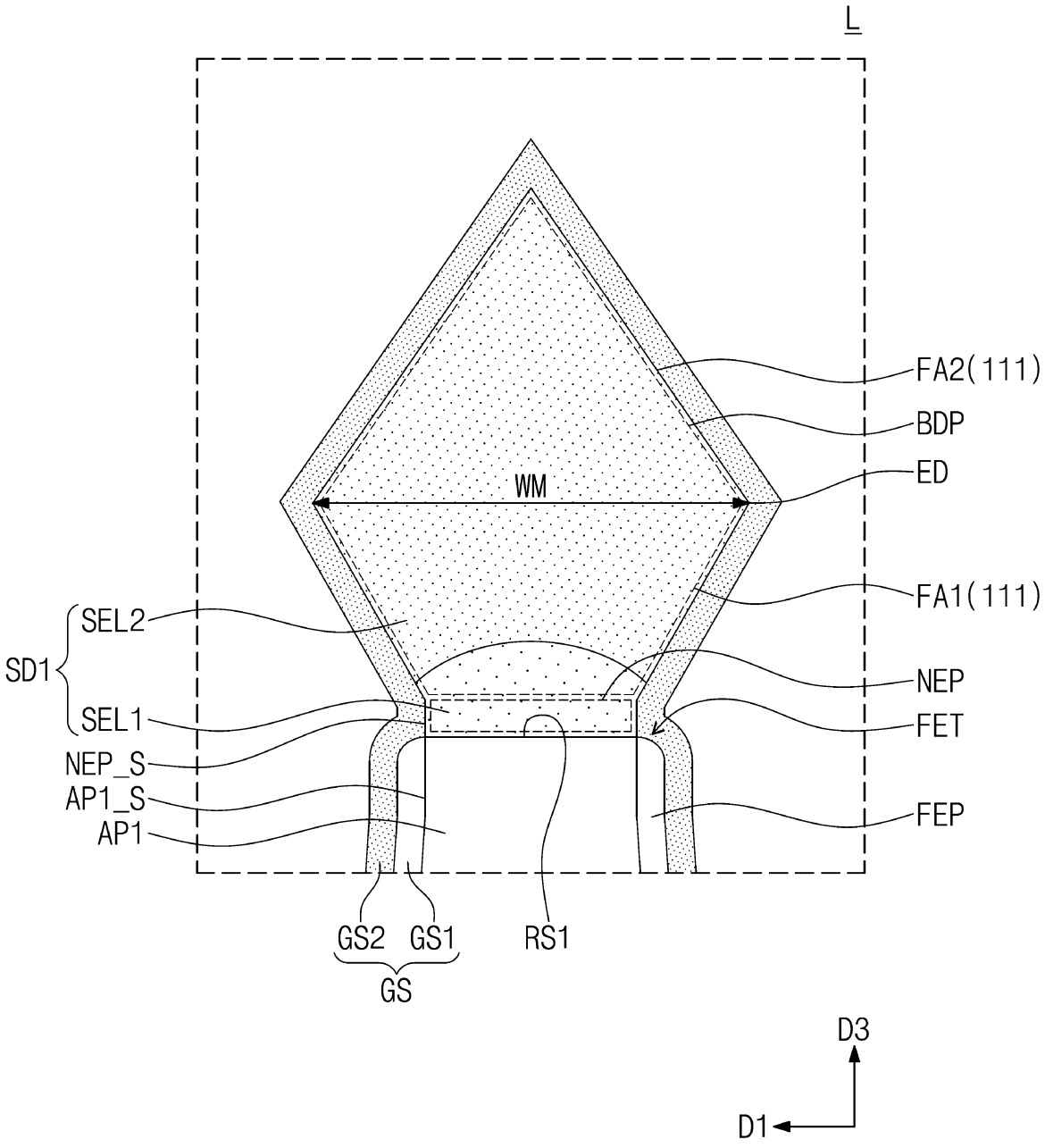

L
FA2(111)
BDP
ED
WM
FA1(111)
SD1
SEL2
SEL1
NEP
FET
NEP_S
AP1_S
AP1
FEP
GS2
GS1
RS1
GS
D3
D1

FIG. 20

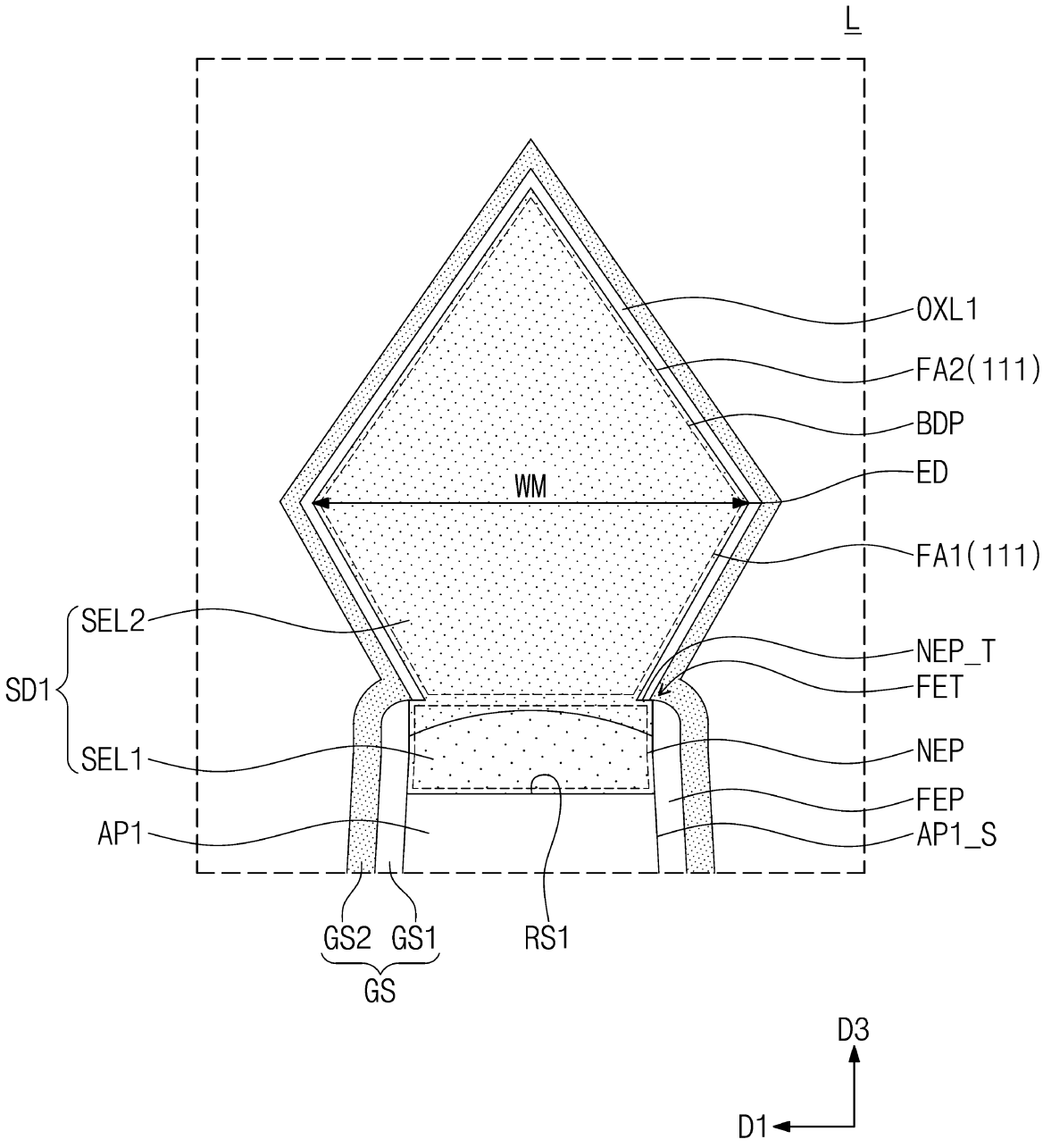

L
OXL1
FA2(111)
BDP
ED
WM
FA1(111)
SEL2
SD1
SEL1
NEP_T
FET
NEP
FEP
AP1
AP1_S
GS2
GS1
RS1
GS
D3
D1

FIG. 21

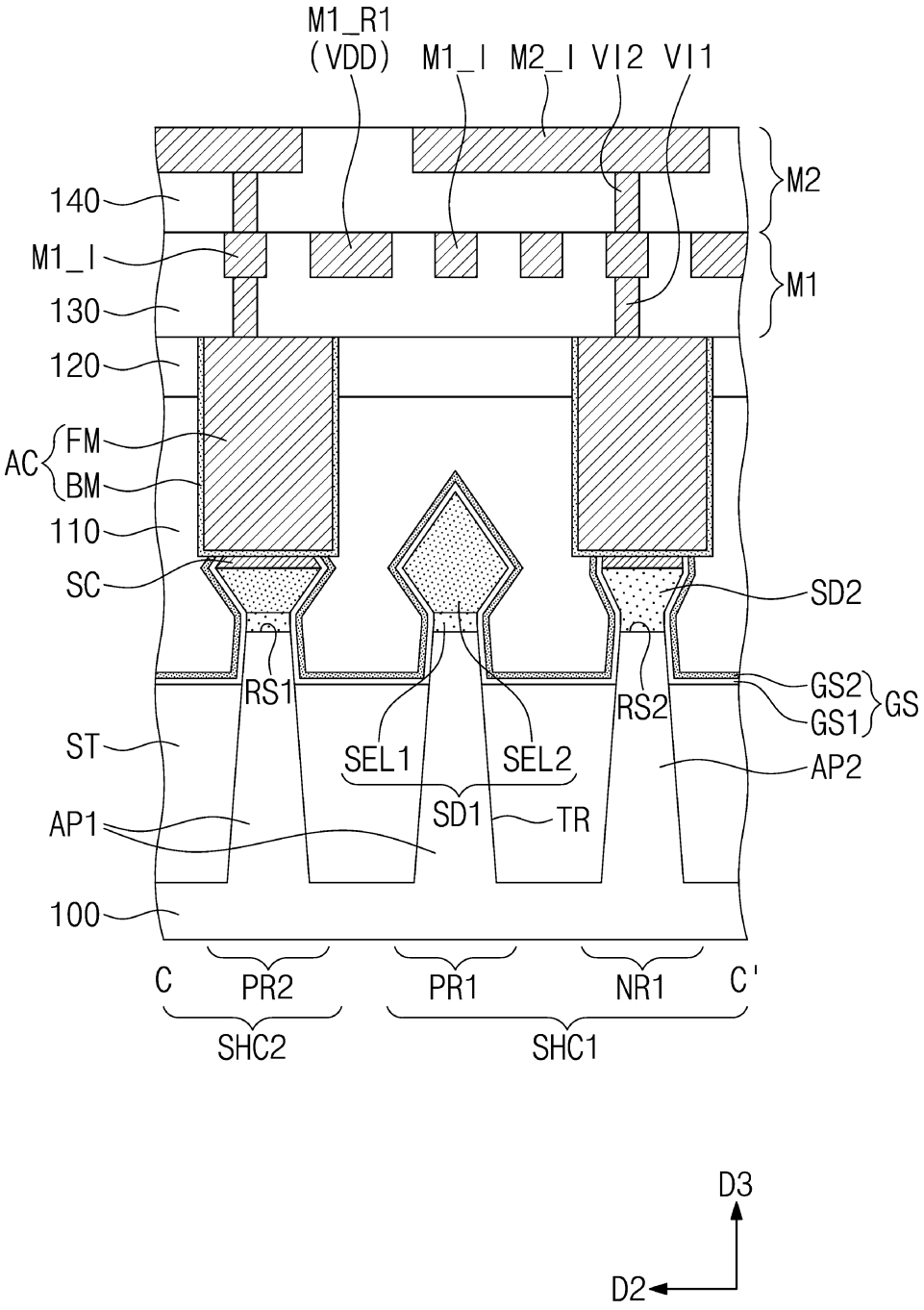

M1_R1
(VDD)
M1_I
M2_I
VI2
VI1
M2
M1
140
M1_I
130
120
AC
FM
BM
110
SC
SD2
RS1
RS2
GS2
GS1
GS
ST
SEL1
SEL2
AP2
SD1
TR
AP1
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 22A

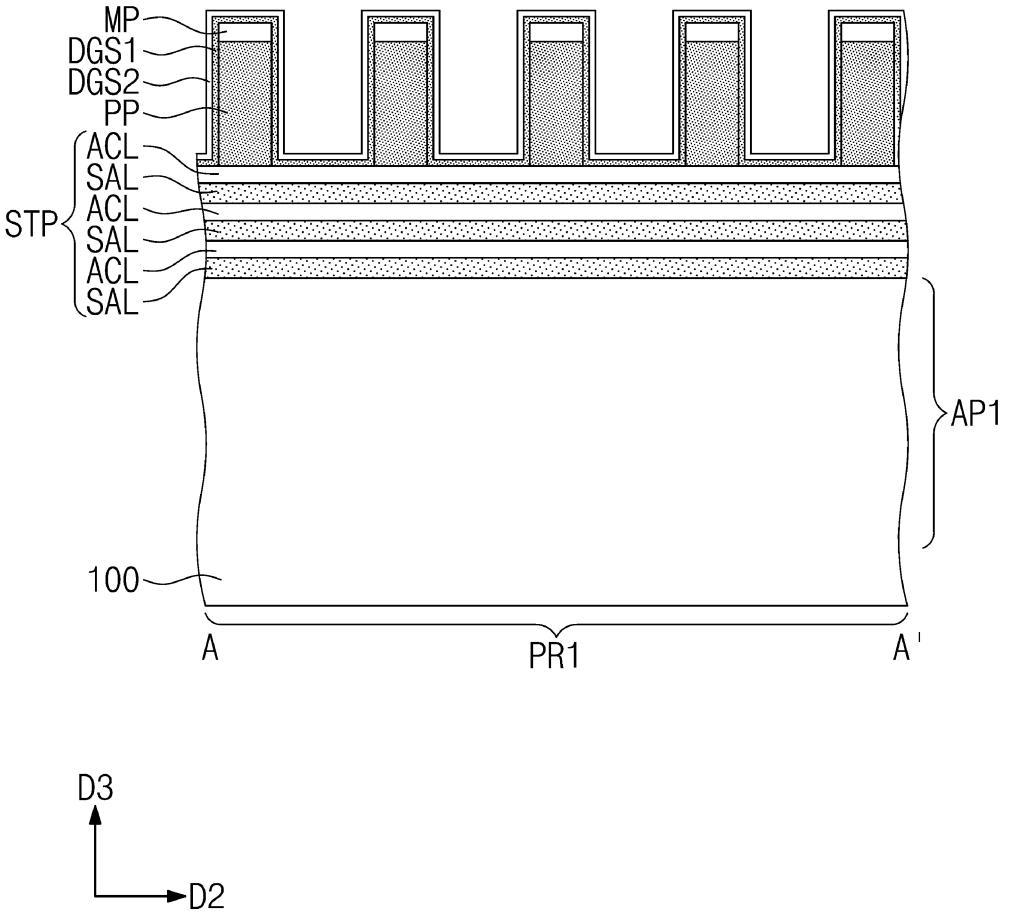


FIG. 22B

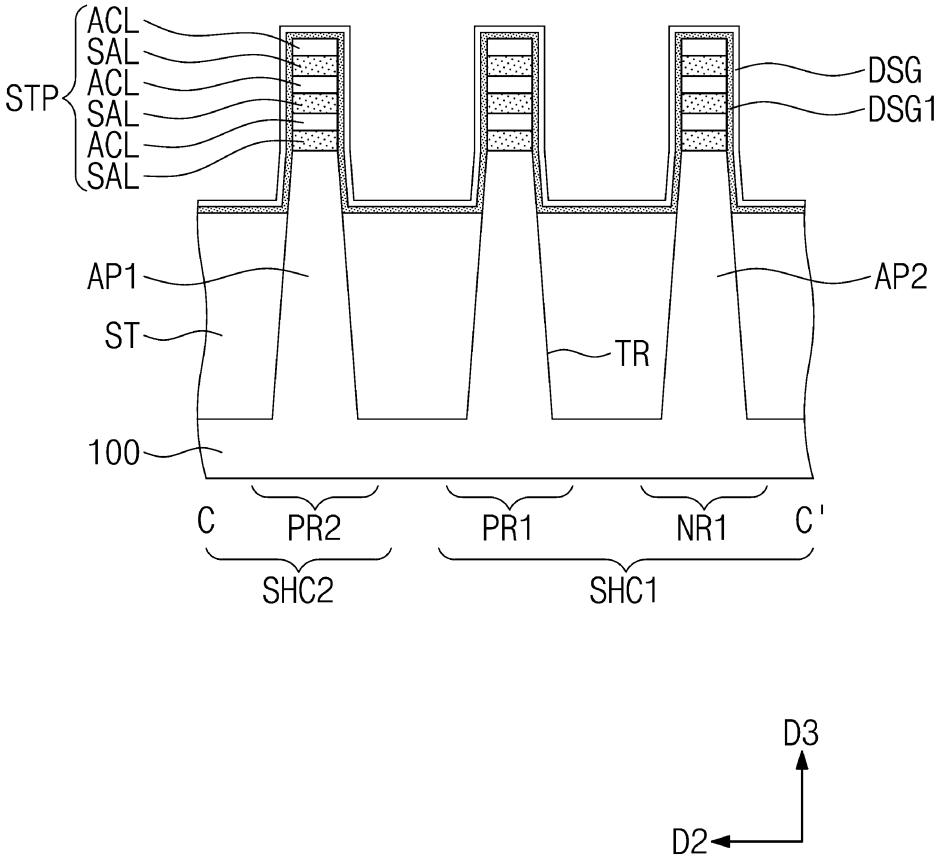

ACL
SAL
ACL
SAL
ACL
SAL
STP
DSG
DSG1
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 23A

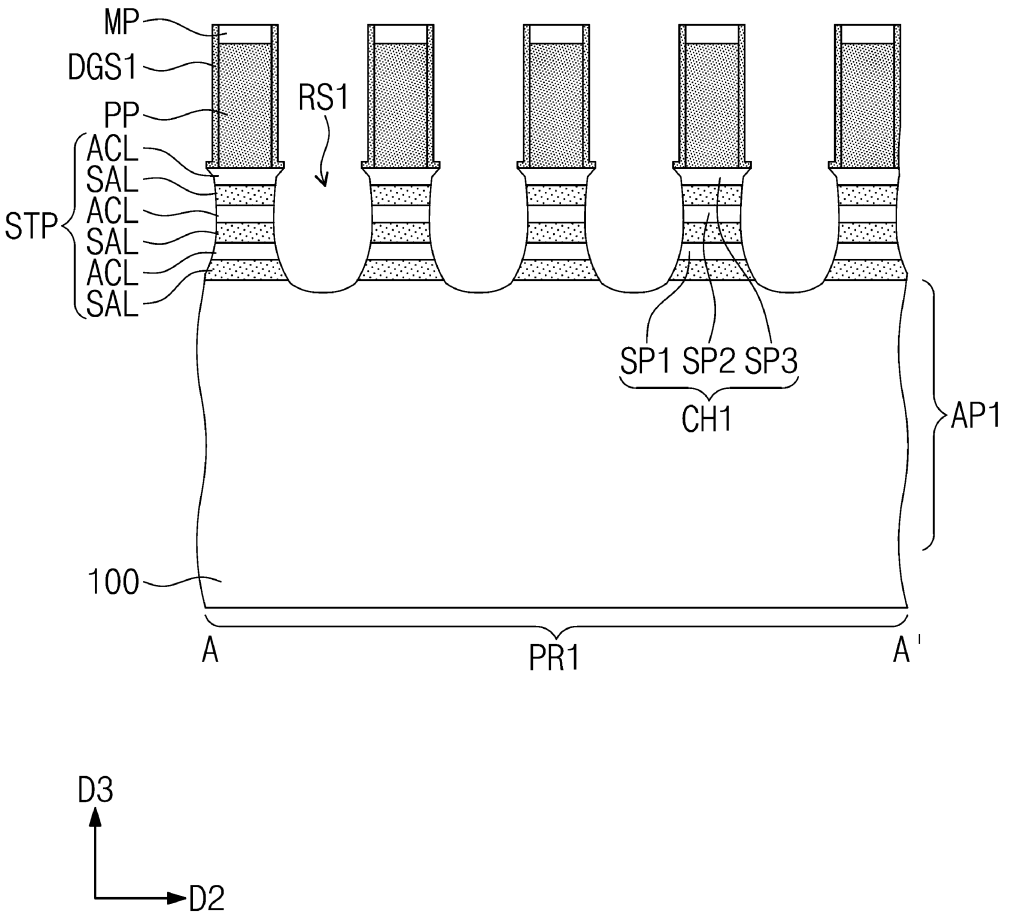

MP
DGS1
PP
ACL
SAL
ACL
SAL
ACL
SAL
STP
RS1
SP1 SP2 SP3
CH1
AP1
100
A
PR1
A'
D3
D2

FIG. 23B

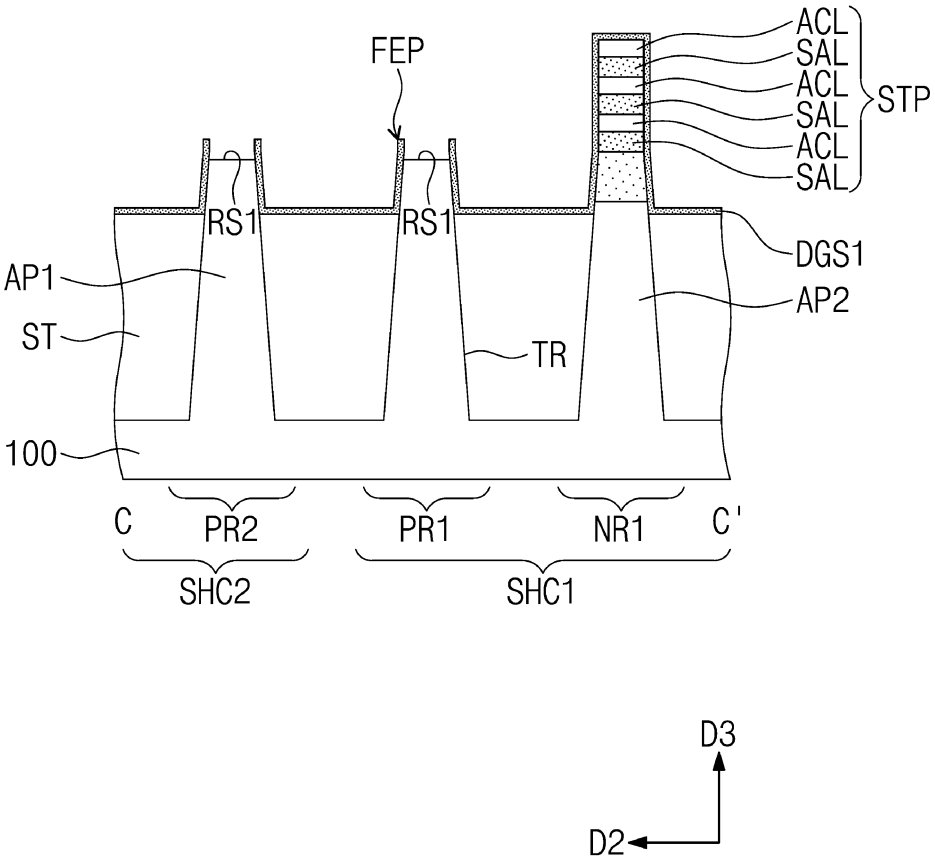

ACL
SAL
ACL
SAL
ACL
SAL
STP
FEP
RS1
RS1
DGS1
AP1
AP2
ST
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 24A

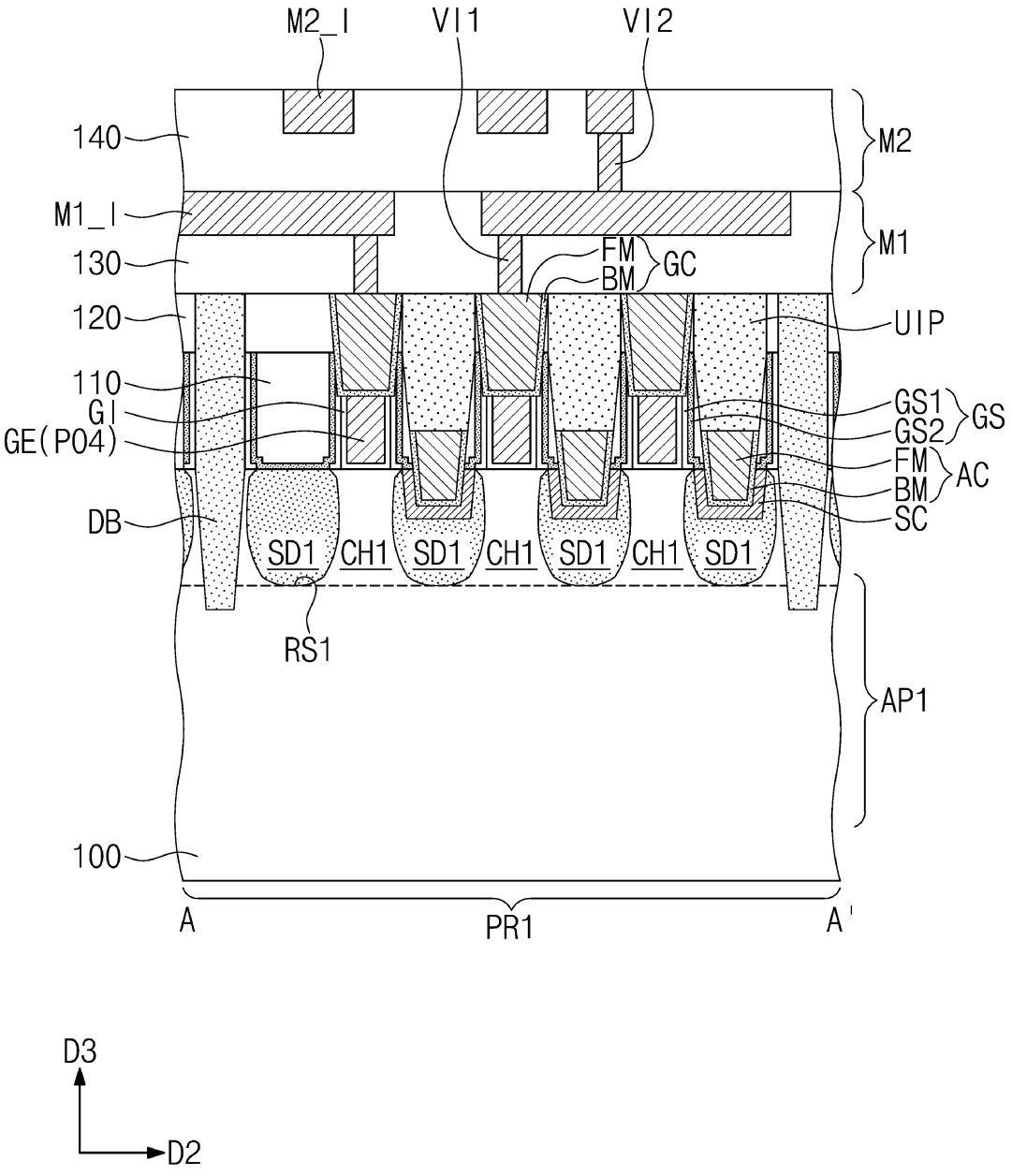

M2_I
VI1
VI2
140
M2
M1_I
M1
130
FM
BM
GC
120
UIP
110
GI
GE(PO4)
GS1
GS2
GS
FM
BM
AC
SC
DB
SD1
CH1
SD1
CH1
SD1
CH1
SD1
RS1
AP1
100
A
PR1
A'
D3
D2

FIG. 24B

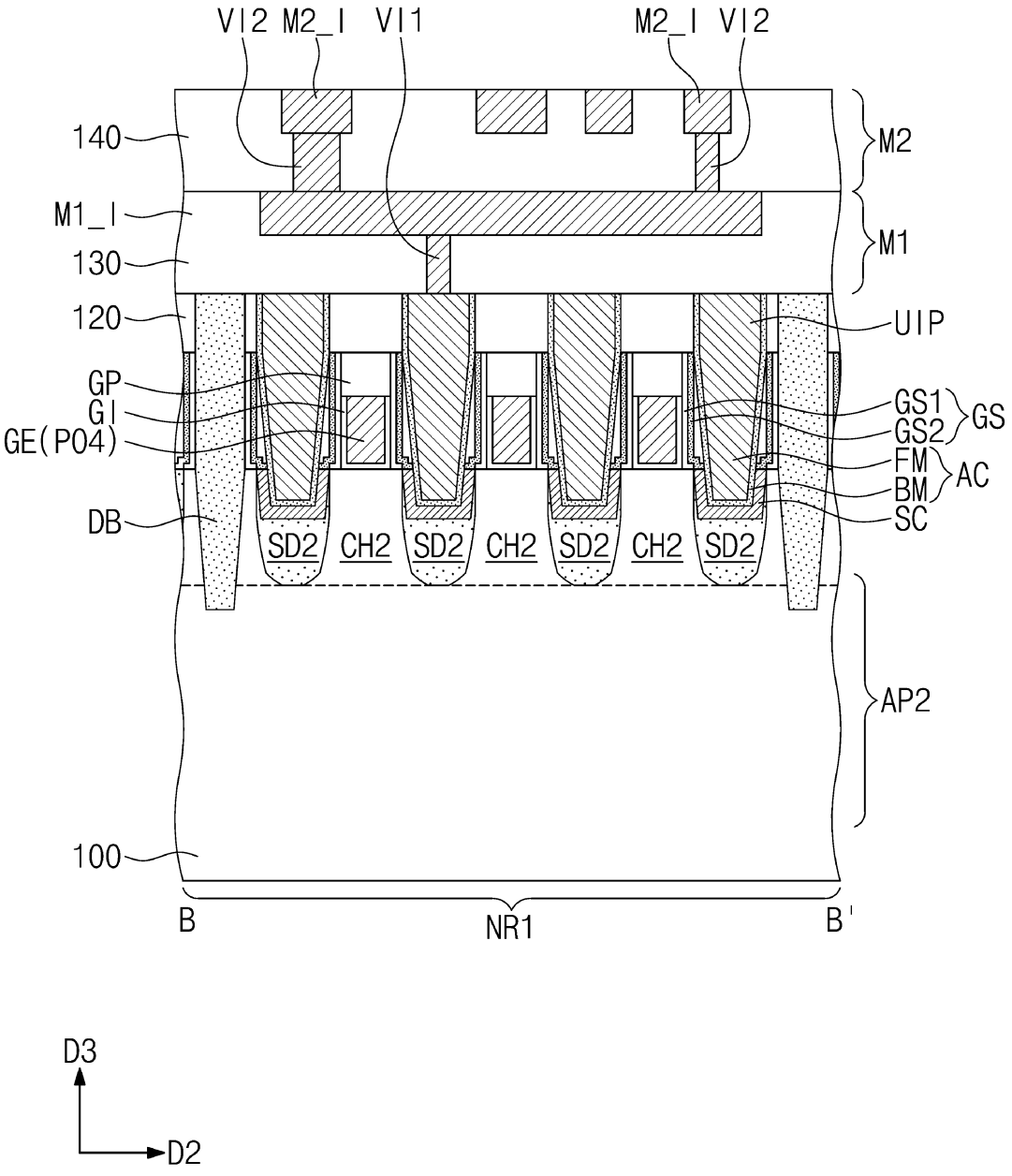

VI2
M2_I
VI1
M2_I
VI2
140
M2
M1_I
M1
130
120
UIP
GP
GI
GE(PO4)
GS1
GS2
GS
FM
BM
AC
SC
DB
SD2
CH2
SD2
CH2
SD2
CH2
SD2
AP2
100
B
NR1
B'
D3
D2

FIG. 24C

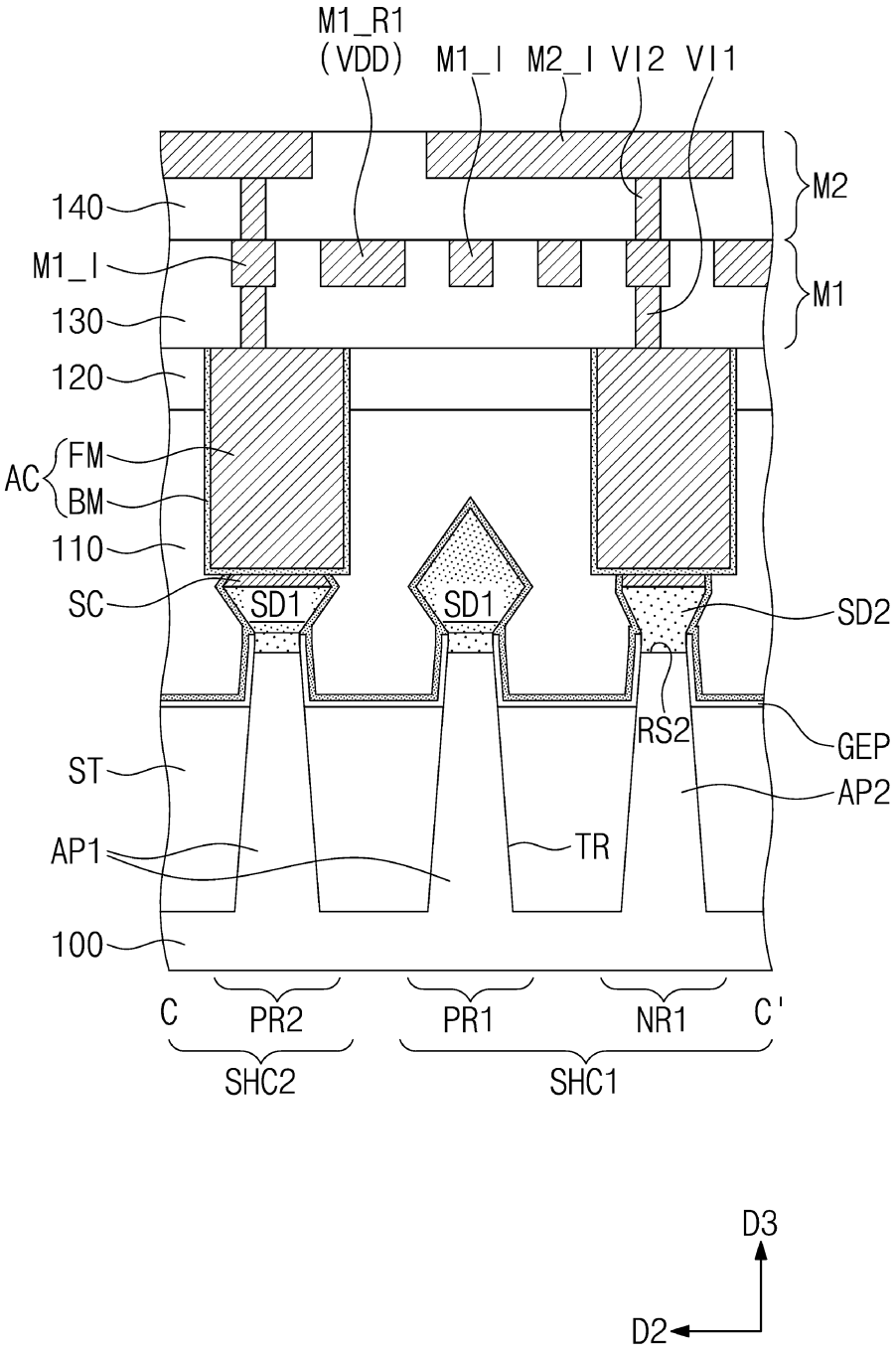
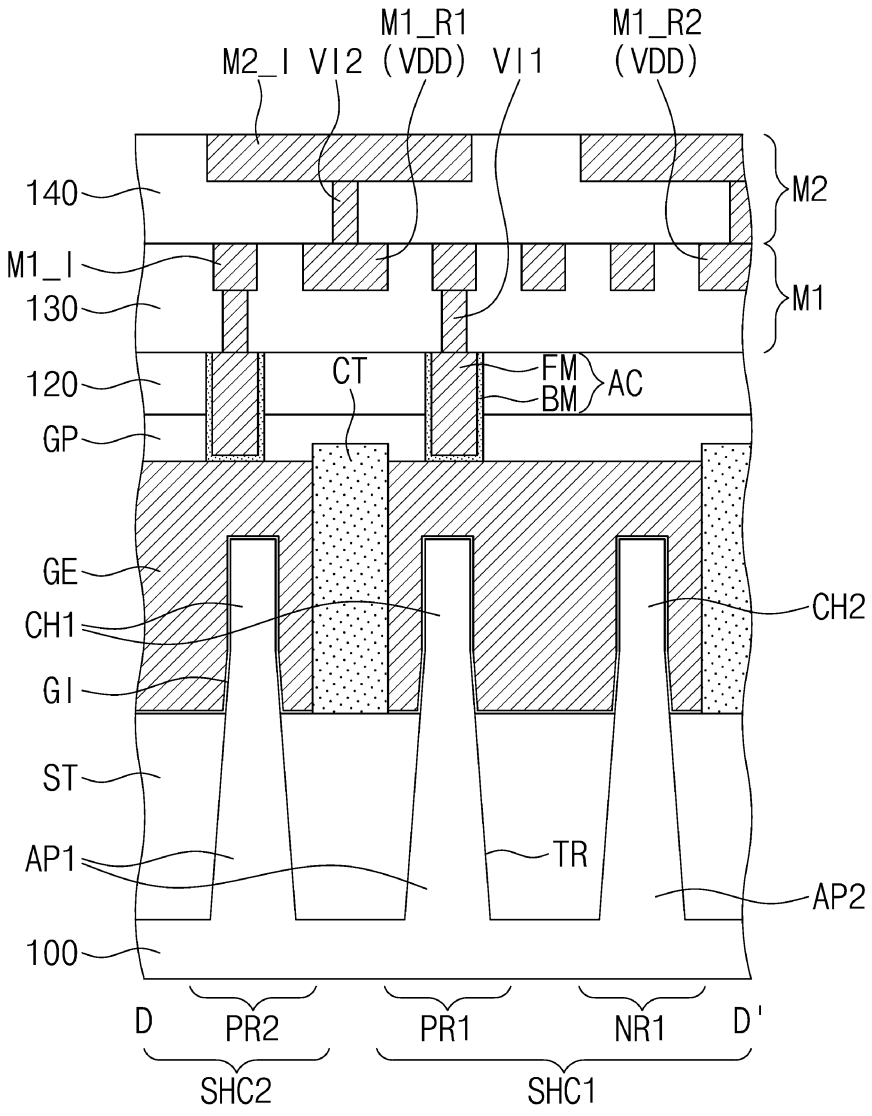
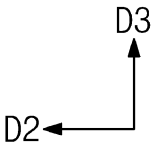

M1_R1
(VDD)
M1_I
M2_I
VI2
VI1
M2
M1
140
M1_I
130
120
AC
FM
BM
110
SC
SD1
SD1
SD2
RS2
GEP
AP2
ST
AP1
TR
100
C
PR2
PR1
NR1
C'
SHC2
SHC1
D3
D2

FIG. 24D


M1_R1
M1_R2
M2_I
VI2
(VDD)
VI1
(VDD)
140
M2
M1_I
130
M1
120
CT
FM
BM
AC
GP
GE
CH1
CH2
GI
ST
AP1
TR
AP2
100
D
PR2
PR1
NR1
D'
SHC2
SHC1


D3
D2