FIG. 1

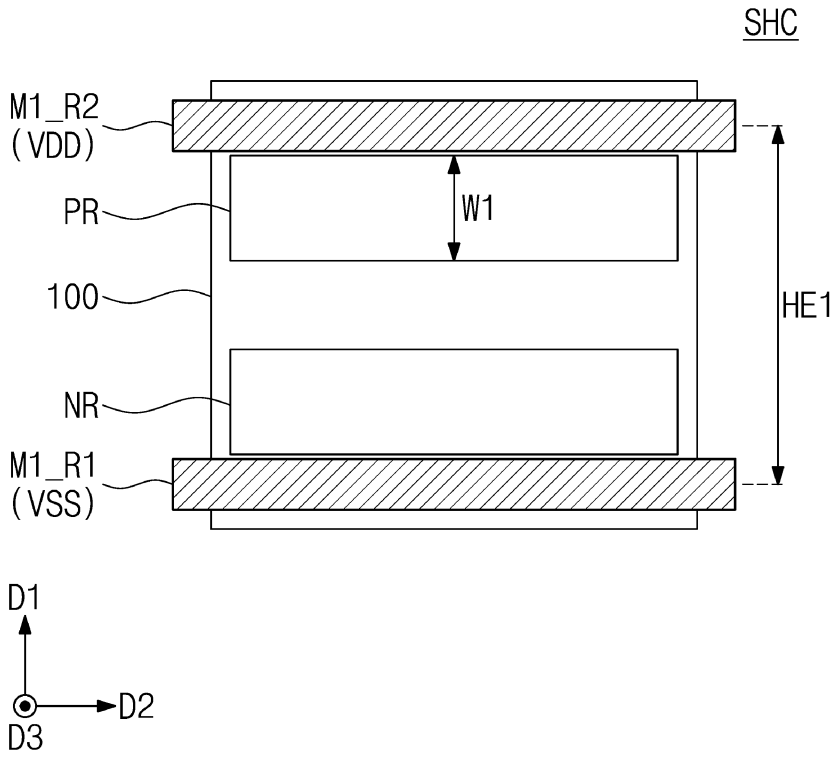


FIG. 2

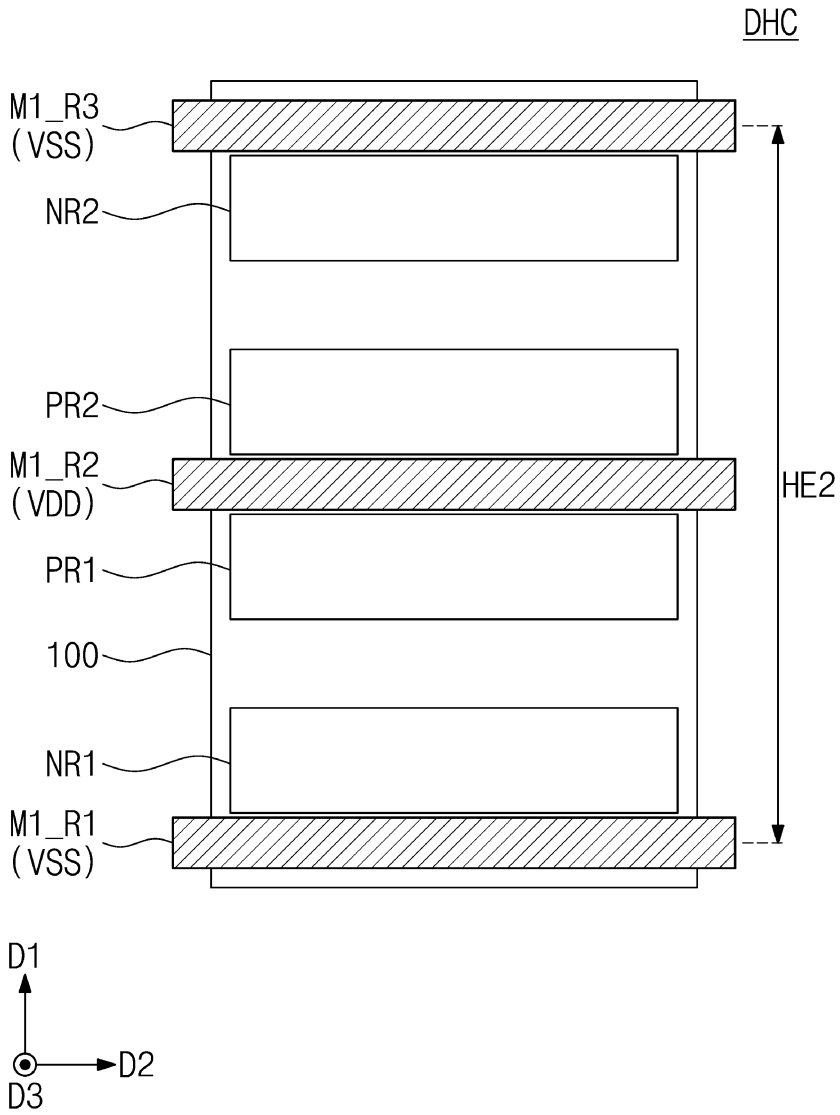


FIG. 3

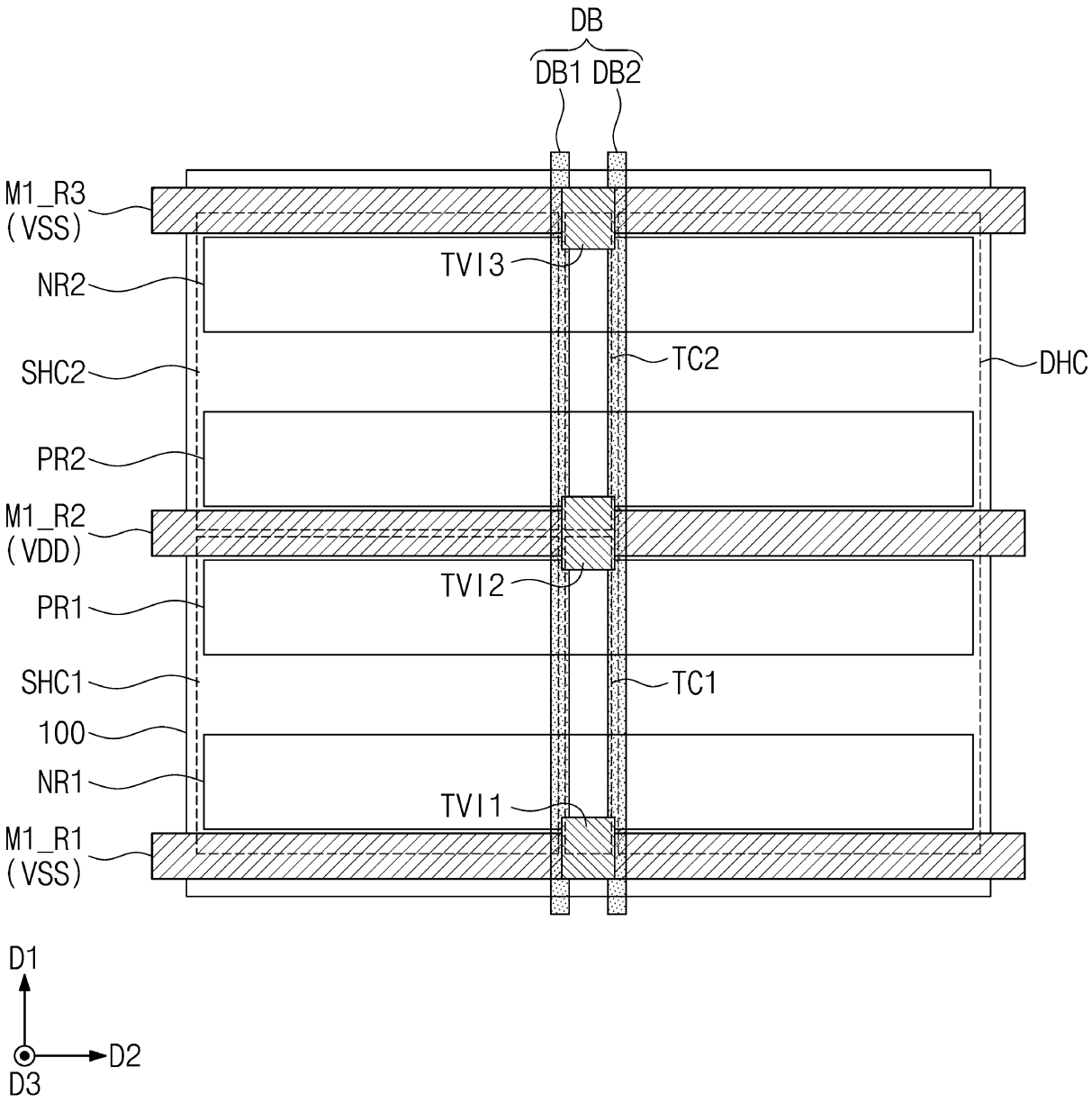

DB
DB1 DB2
M1_R3
(VSS)
TVI3
NR2
SHC2
TC2
DHC
PR2
M1_R2
(VDD)
TVI2
PR1
SHC1
TC1
100
NR1
TVI1
M1_R1
(VSS)
D1
D2
D3

FIG. 4

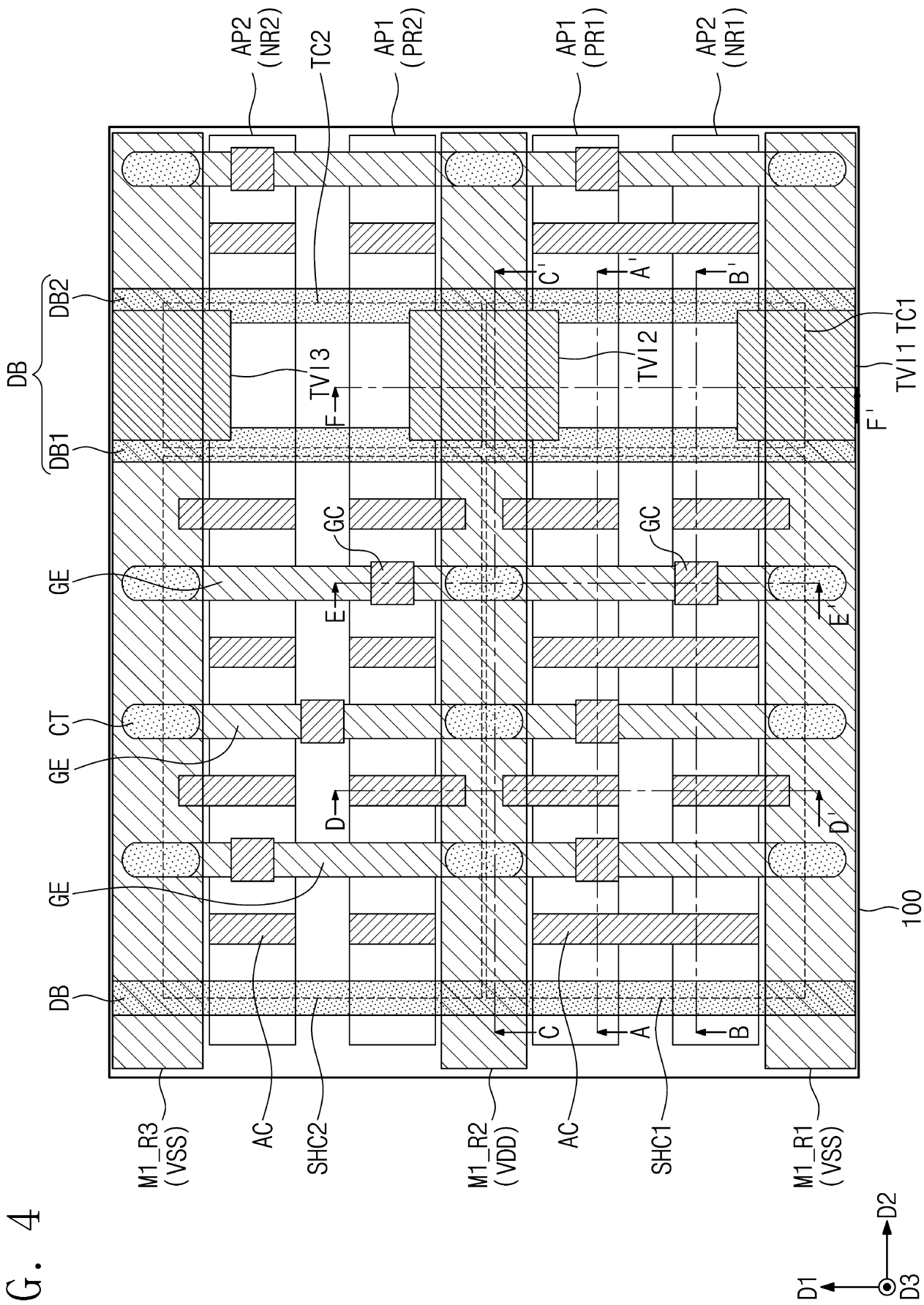

AP2 (NR2)
TC2
AP1 (PR2)
AP1 (PR1)
AP2 (NR1)
DB
DB2
DB1
TV13
TV12
TV11 TC1
GC
GC
GE
GE
CT
GE
DB
M1_R3 (VSS)
AC
SHC2
M1_R2 (VDD)
AC
SHC1
M1_R1 (VSS)
A
A'
B
B'
C
C'
D
D'
E
E'
F
F'
100
D1
D2
D3

FIG. 5A

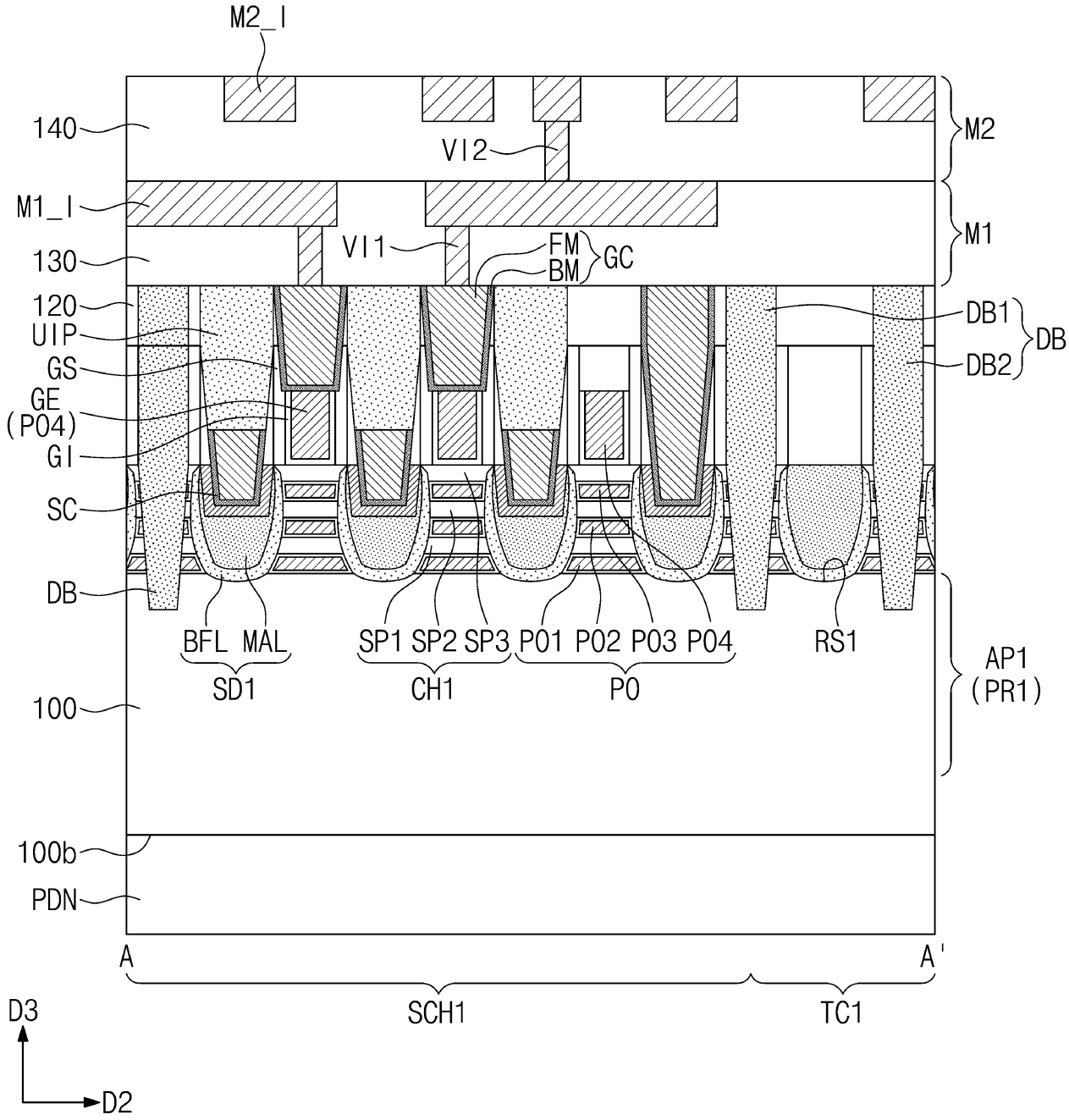

M2_I
140
VI2
M2
M1_I
M1
130
VI1
FM
BM
GC
120
UIP
GS
GE
(P04)
GI
SC
DB
DB1
DB2
BFL
MAL
SD1
SP1
SP2
SP3
CH1
P01
P02
P03
P04
P0
RS1
AP1
(PR1)
100
100b
PDN
A
A'
SCH1
TC1
D3
D2

FIG. 5B

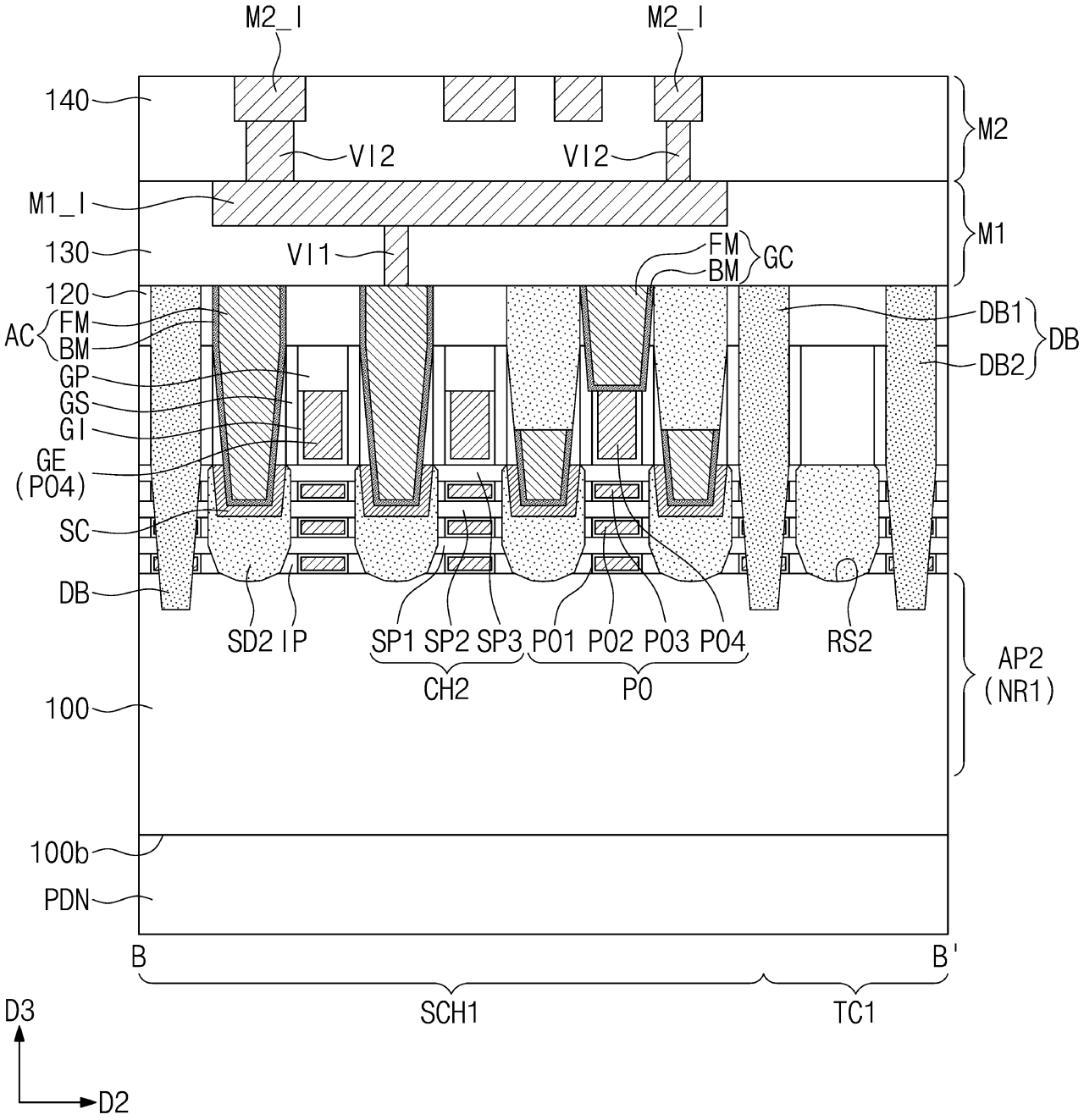

M2_I
M2_I
140
VI2
VI2
M2
M1_I
M1
130
VI1
FM
BM
GC
120
AC
FM
BM
GP
GS
GI
GE
(P04)
SC
DB
DB1
DB2
DB
SD2
IP
SP1
SP2
SP3
P01
P02
P03
P04
RS2
CH2
P0
AP2
(NR1)
100
100b
PDN
B
B'
SCH1
TC1
D3
D2

FIG. 5C

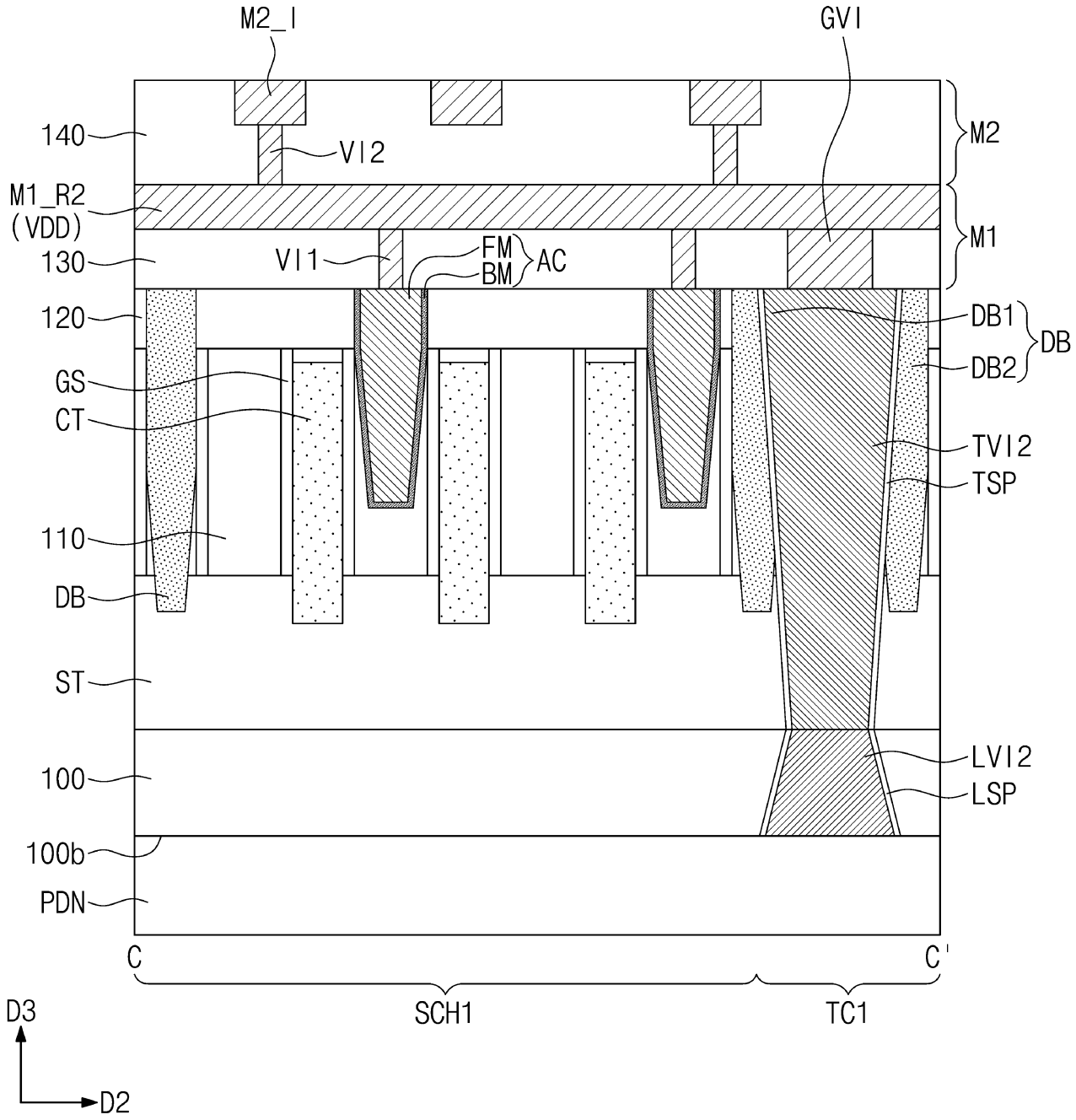

M2_I
GVI
140
VI2
M2
M1_R2
(VDD)
M1
130
VI1
FM
BM
AC
120
DB1
DB
DB2
GS
CT
TVI2
TSP
110
DB
ST
LVI2
100
LSP
100b
PDN
C
C'
SCH1
TC1
D3
D2

FIG. 5D

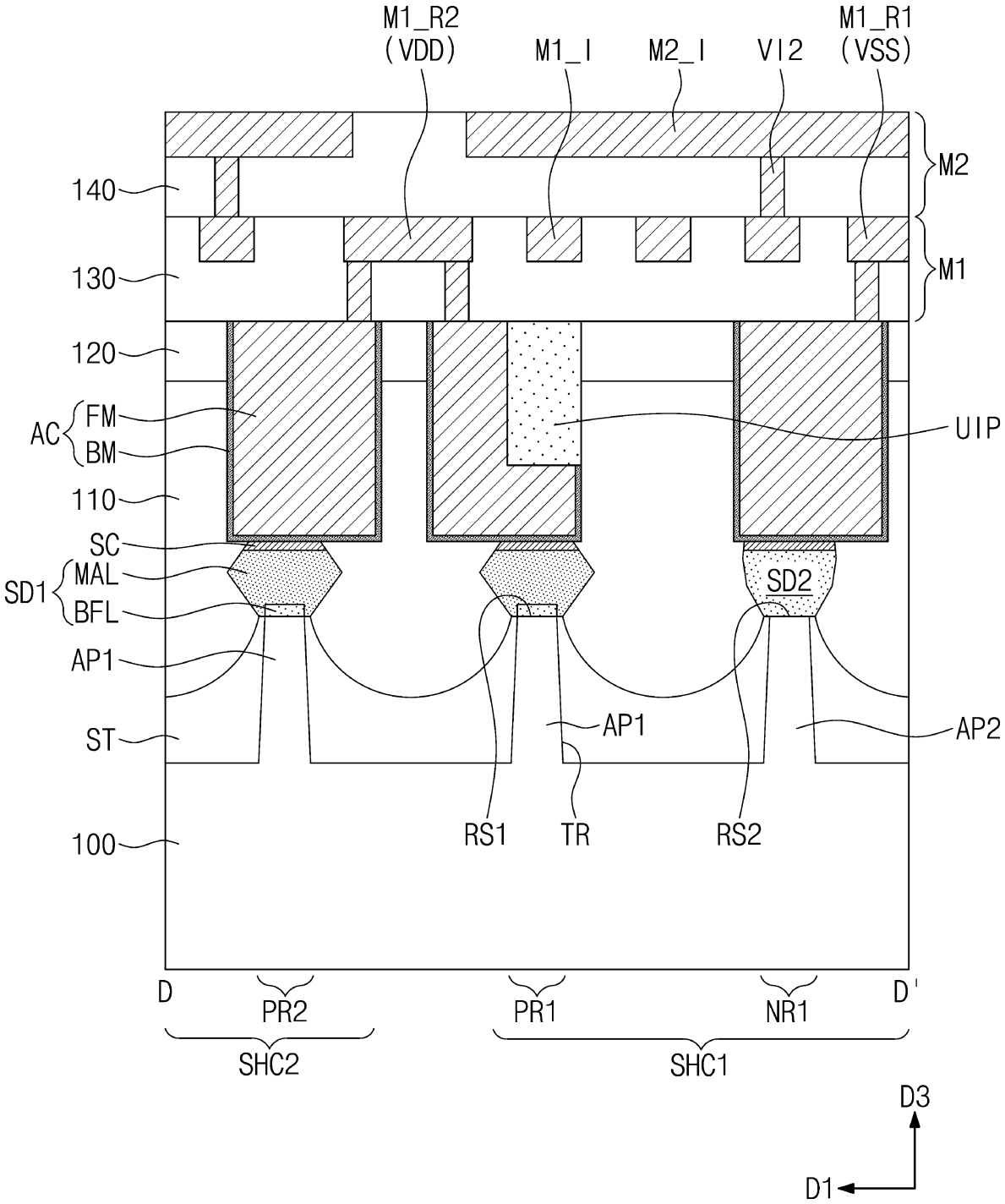

M1_R2
(VDD)
M1_I
M2_I
VI2
M1_R1
(VSS)
M2
M1
140
130
120
AC
FM
BM
UIP
110
SC
SD1
MAL
BFL
SD2
AP1
ST
AP1
AP2
100
RS1
TR
RS2
D
PR2
PR1
NR1
D'
SHC2
SHC1
D3
D1

FIG. 5E

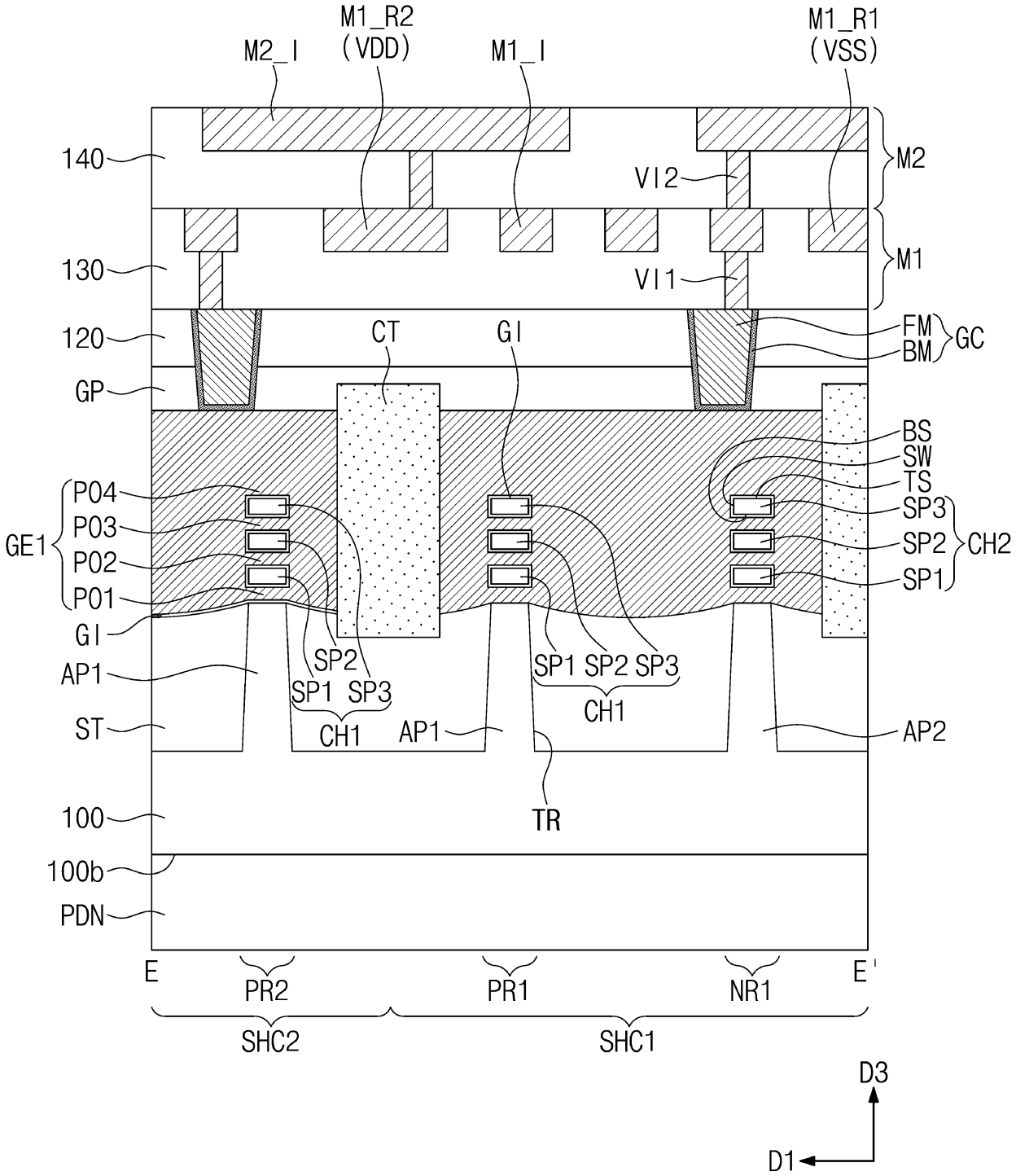

M1_R2
(VDD)
M2_I
M1_I
M1_R1
(VSS)
140
M2
VI2
130
M1
VI1
120
CT
GI
FM
BM
GC
GP
BS
SW
TS
SP3
SP2
SP1
CH2
P04
P03
P02
P01
GE1
GI
AP1
SP2
SP1 SP3
CH1
SP1 SP2 SP3
CH1
ST
AP1
AP2
TR
100
100b
PDN
E
PR2
PR1
NR1
E'
SHC2
SHC1
D3
D1

FIG. 5F

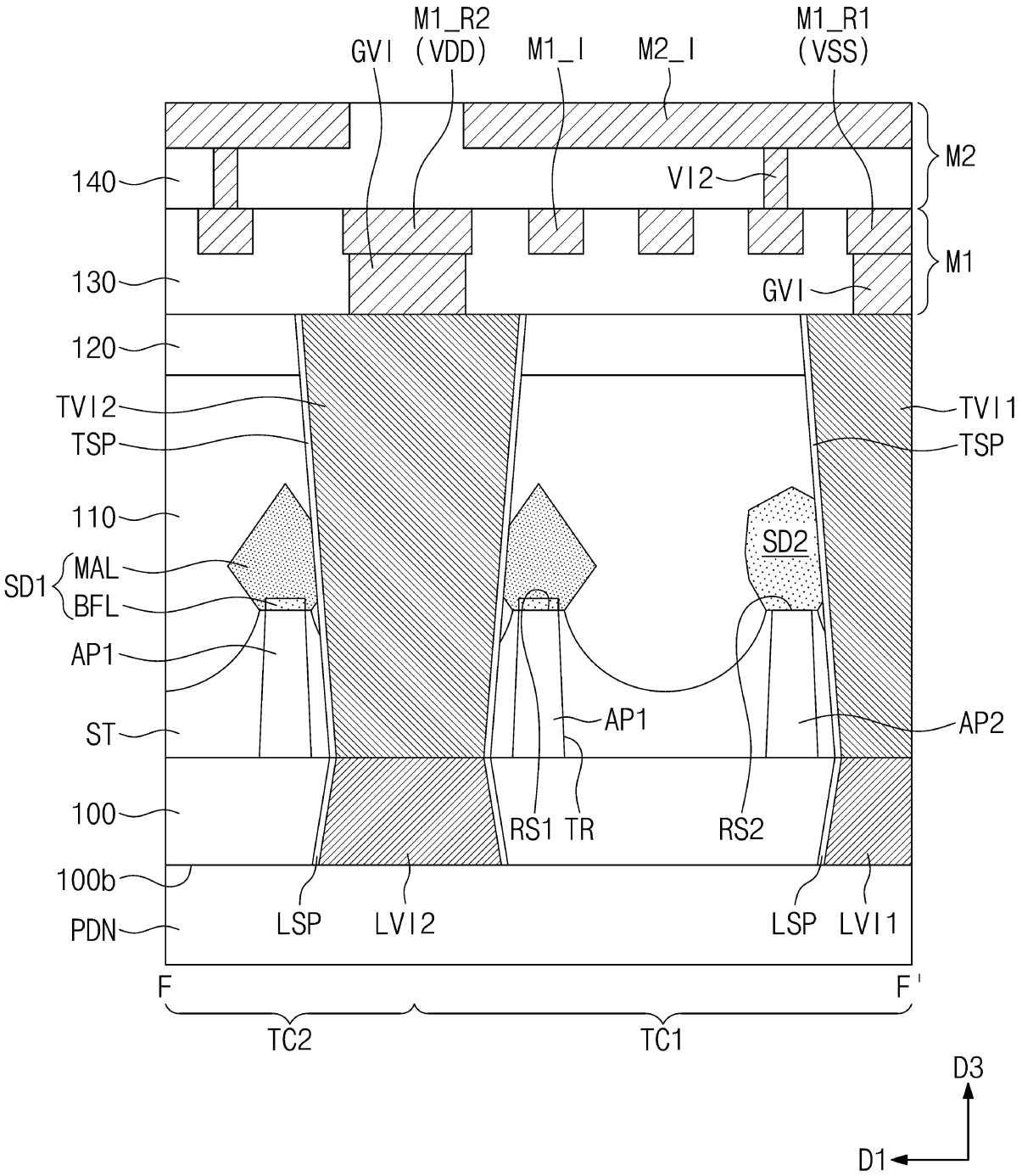

M1_R2
GVI (VDD)
M1_I
M2_I
M1_R1
(VSS)
M2
VI2
140
M1
130
GVI
120
TVI2
TVI1
TSP
TSP
110
SD2
SD1
MAL
BFL
AP1
AP1
AP2
ST
100
RS1 TR
RS2
100b
PDN
LSP
LVI2
LSP
LVI1
F
F'
TC2
TC1
D3
D1

FIG. 6A

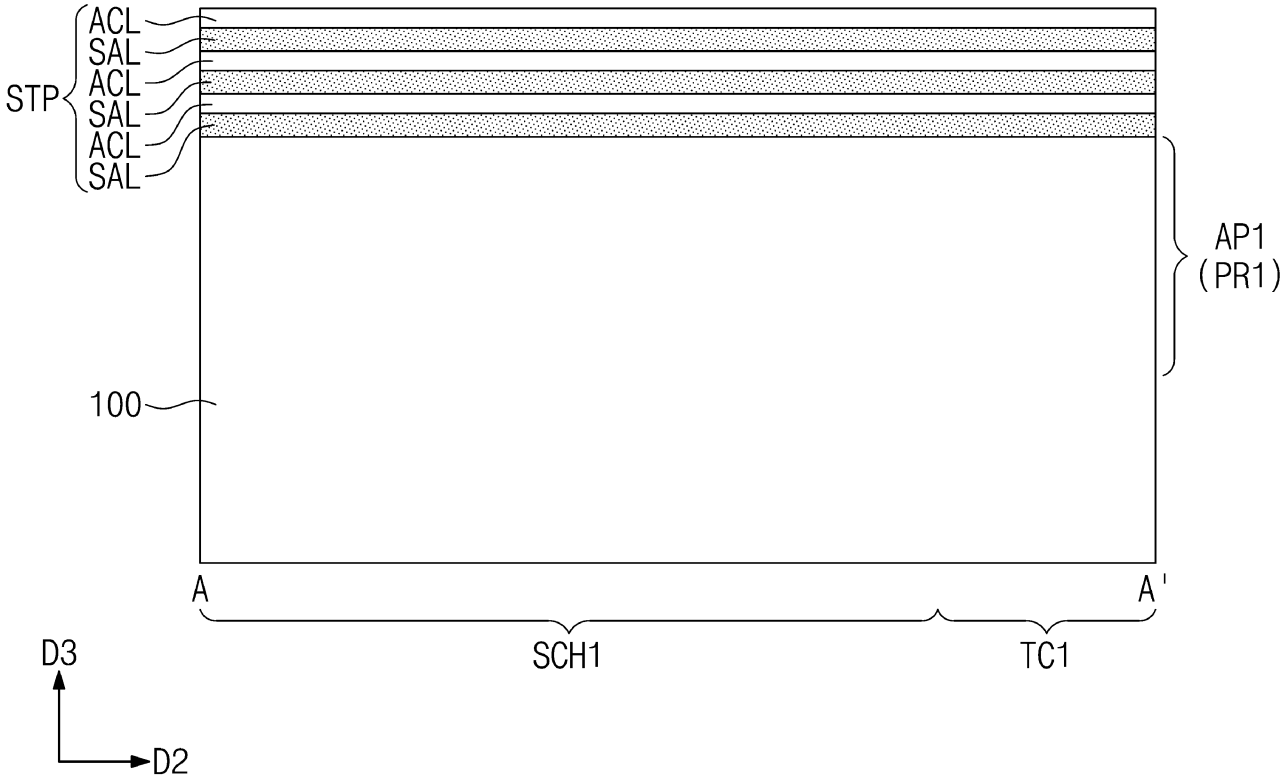


FIG. 6B

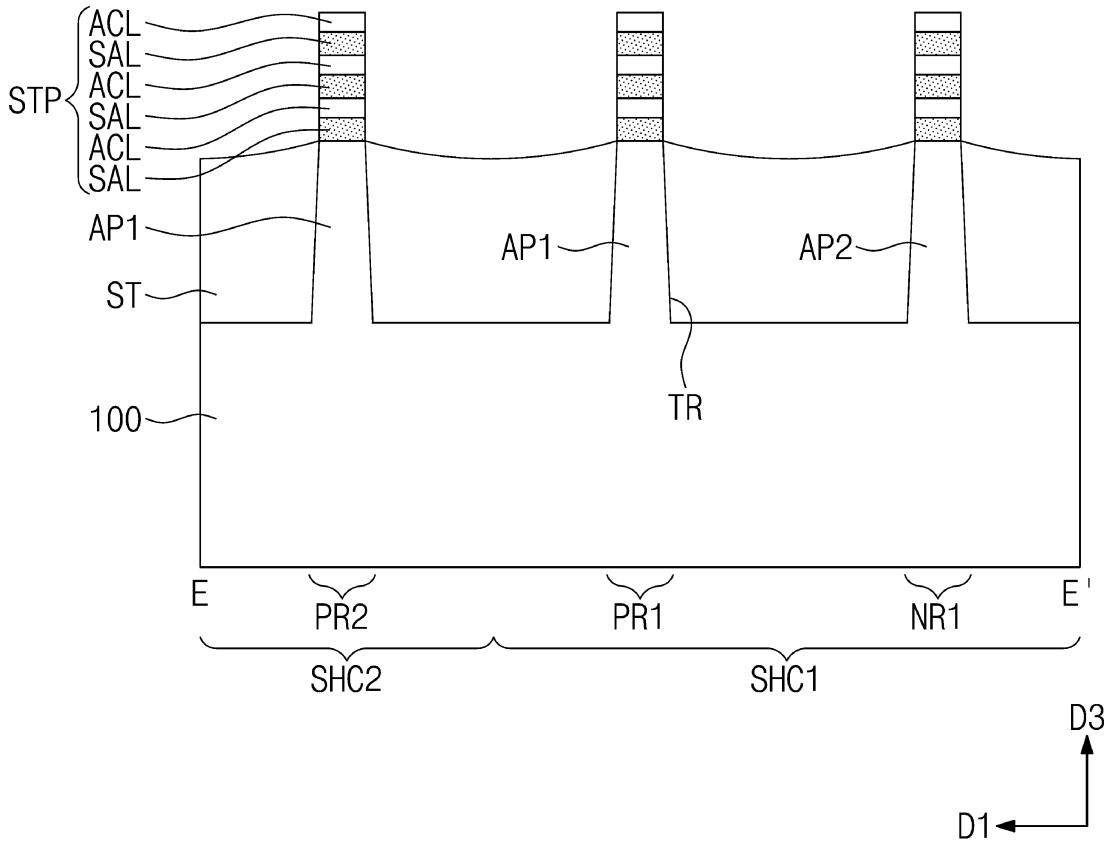

STP
ACL
SAL
ACL
SAL
ACL
SAL
AP1
ST
100
AP1
AP2
TR
E
PR2
PR1
NR1
E'
SHC2
SHC1
D3
D1

FIG. 7A

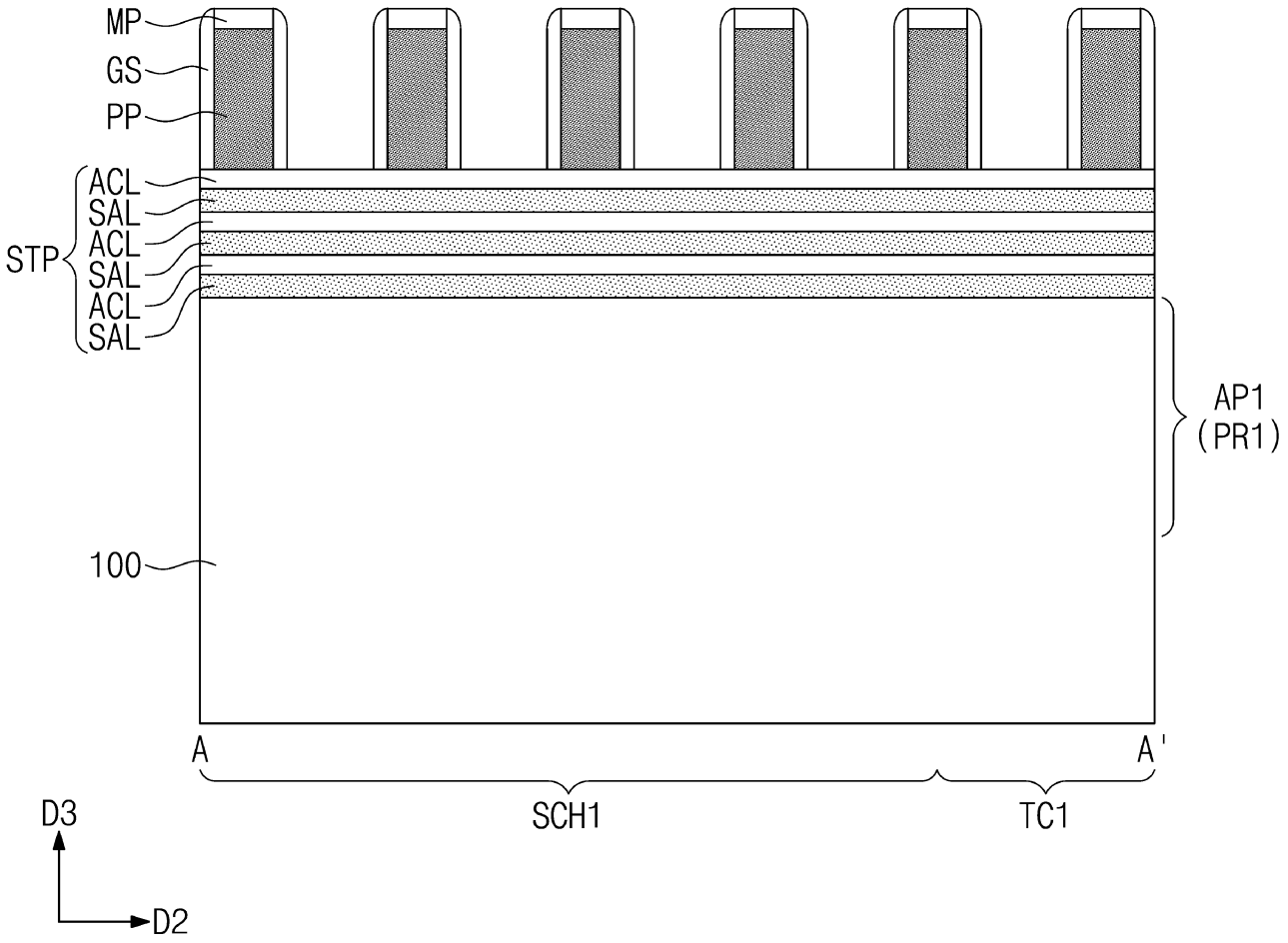


FIG. 7B

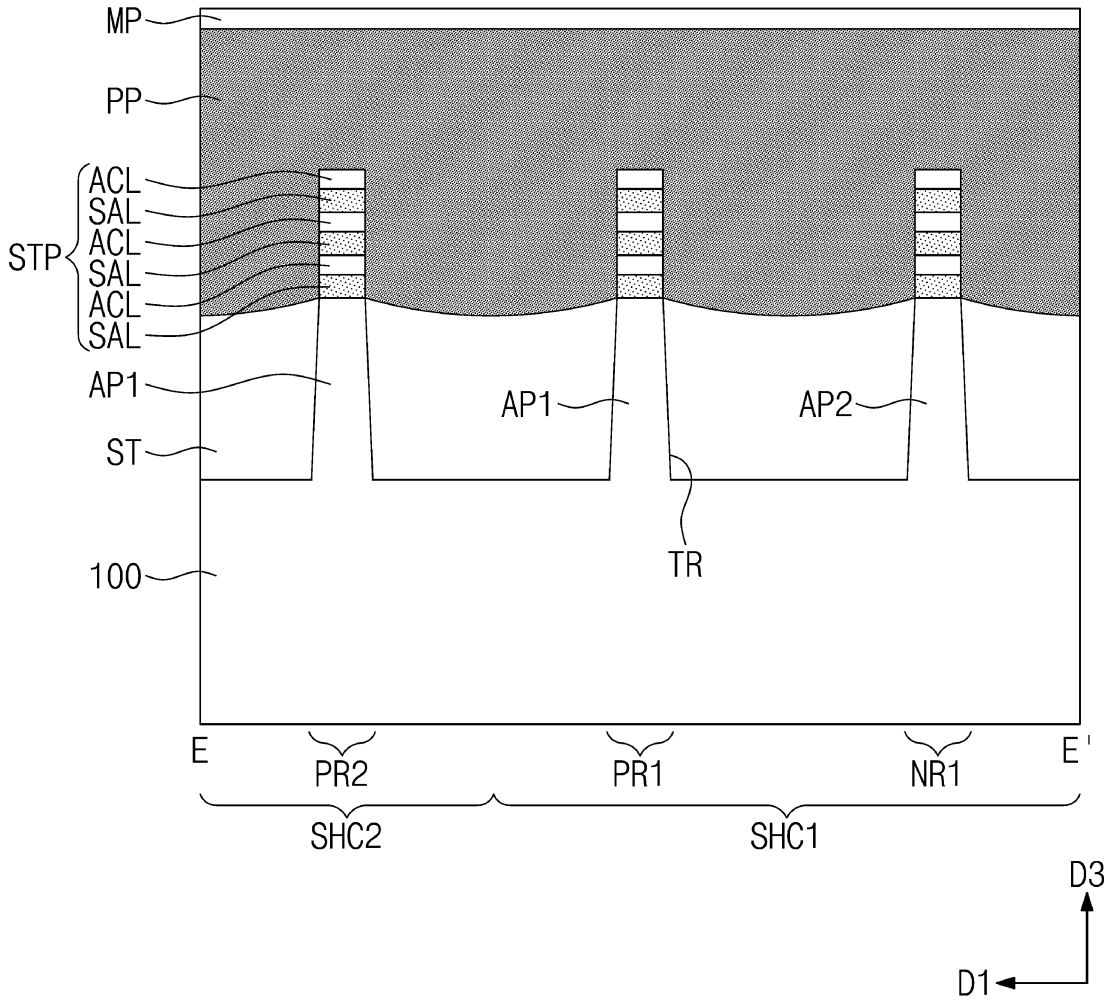

MP
PP
STP
ACL
SAL
ACL
SAL
ACL
SAL
AP1
AP1
AP2
ST
TR
100
E
PR2
PR1
NR1
E'
SHC2
SHC1
D3
D1

FIG. 8A

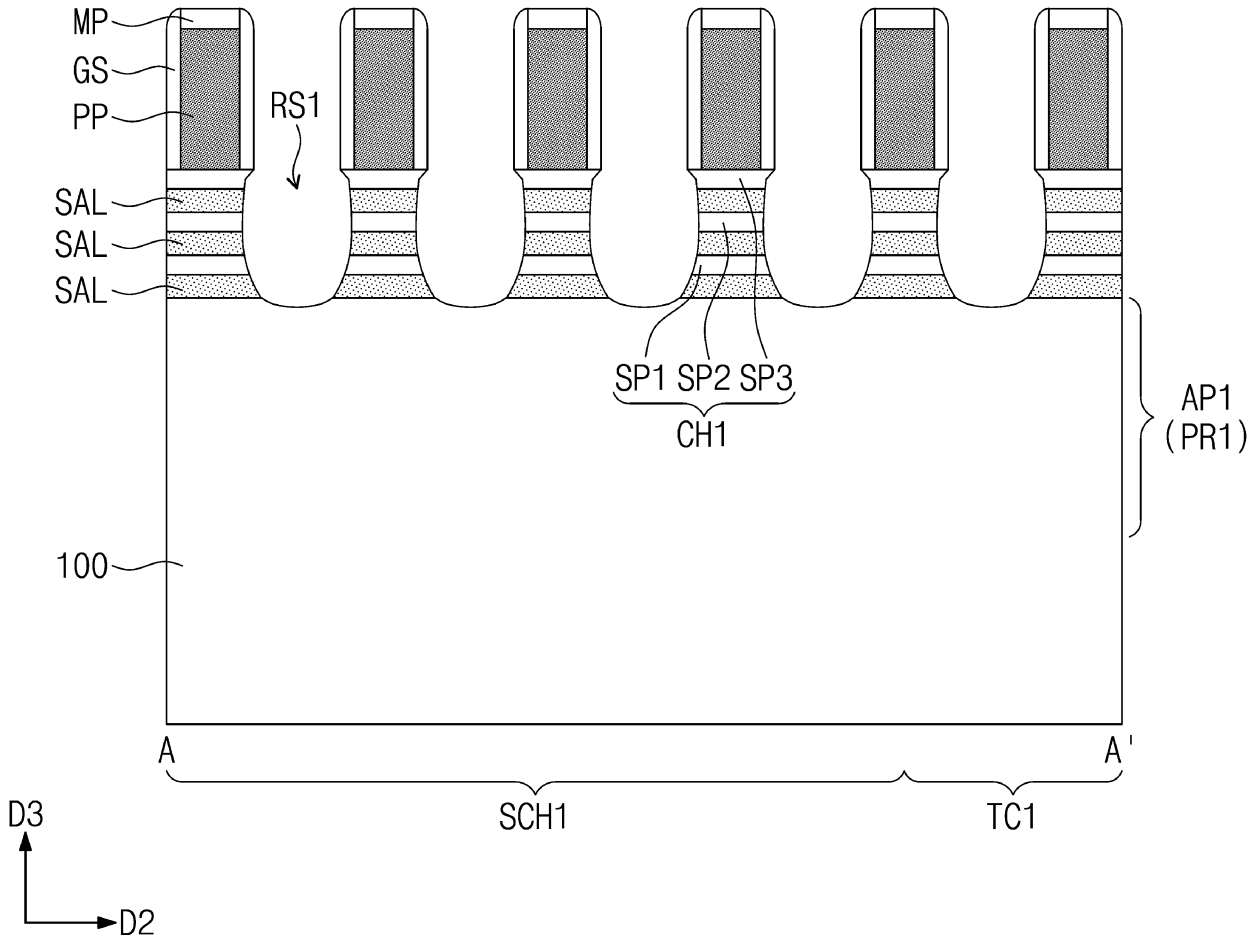

MP
GS
PP
RS1
SAL
SAL
SAL
SP1 SP2 SP3
CH1
AP1
(PR1)
100
A
A'
SCH1
TC1
D3
D2

FIG. 8B

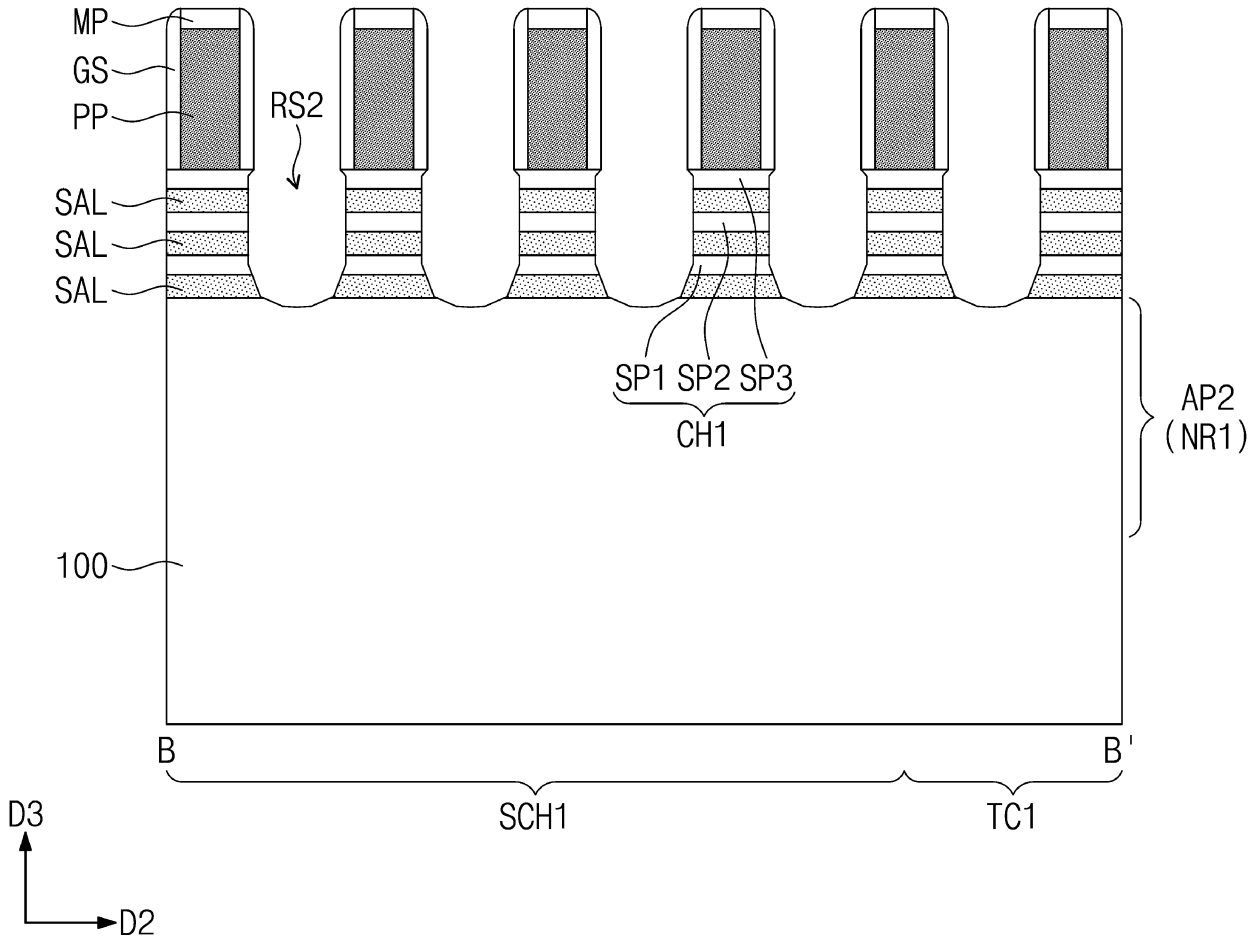

MP
GS
PP
RS2
SAL
SAL
SAL
SP1 SP2 SP3
CH1
AP2
(NR1)
100
B
B'
SCH1
TC1
D3
D2

FIG. 8C

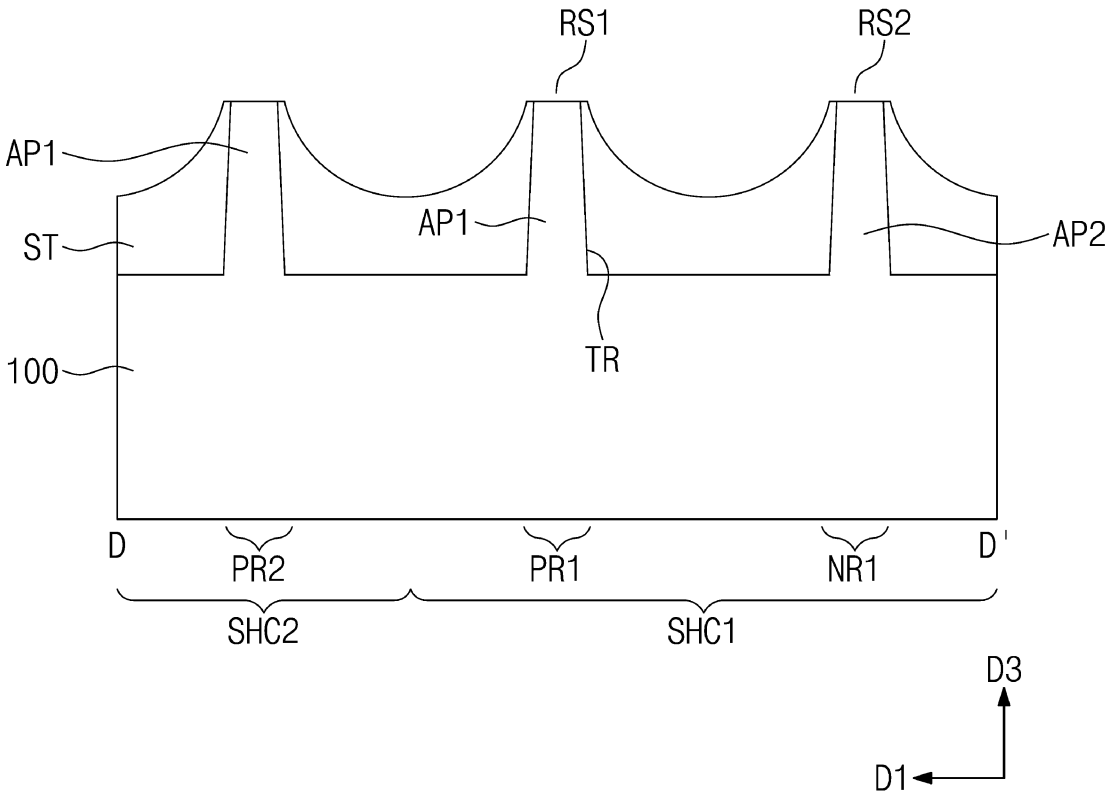


FIG. 9A

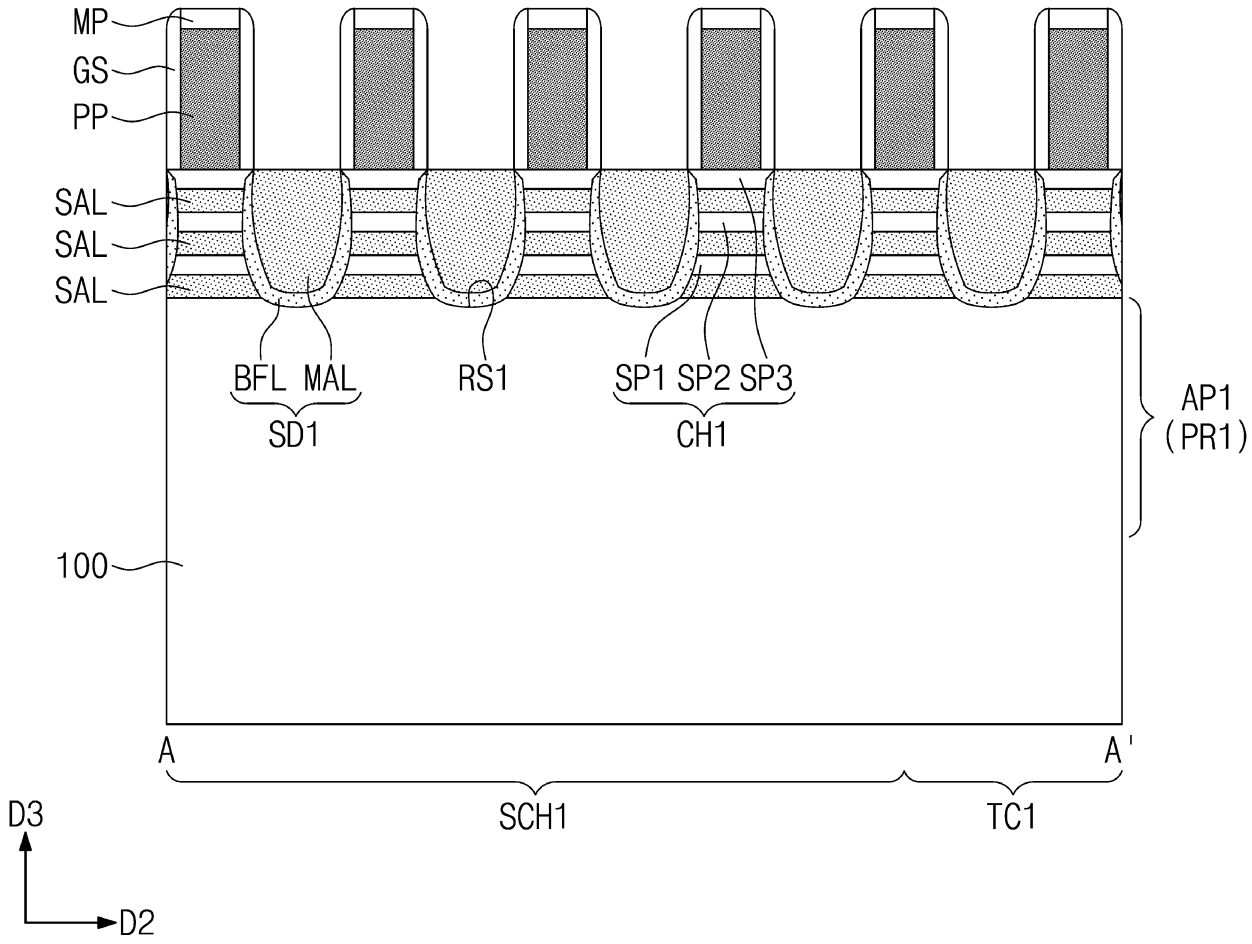

MP
GS
PP
SAL
SAL
SAL
BFL
MAL
SD1
RS1
SP1
SP2
SP3
CH1
AP1
(PR1)
100
A
A'
SCH1
TC1
D3
D2

FIG. 9B

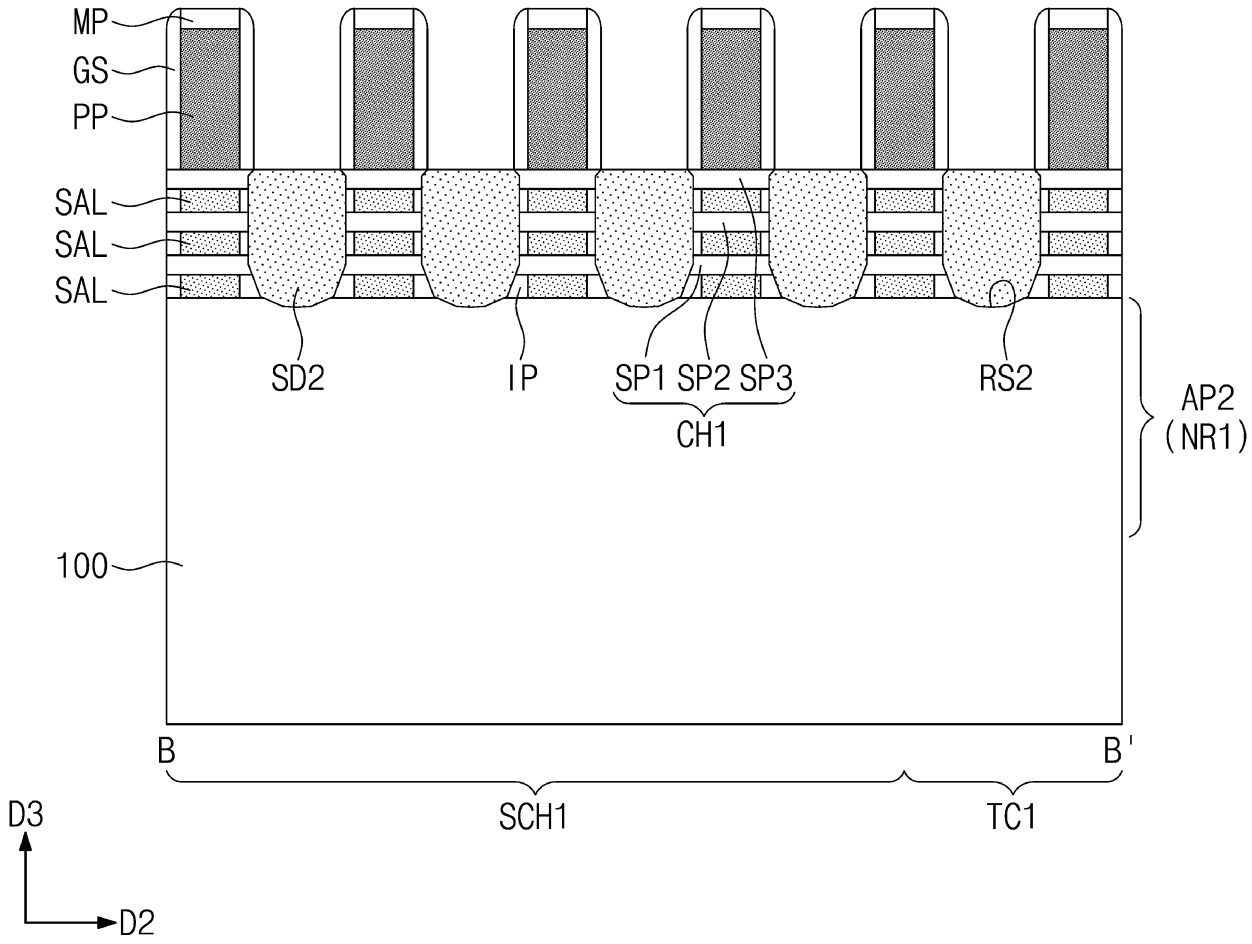

MP
GS
PP
SAL
SAL
SAL
SD2
IP
SP1 SP2 SP3
CH1
RS2
AP2
(NR1)
100
B
B'
SCH1
TC1
D3
D2

FIG. 9C

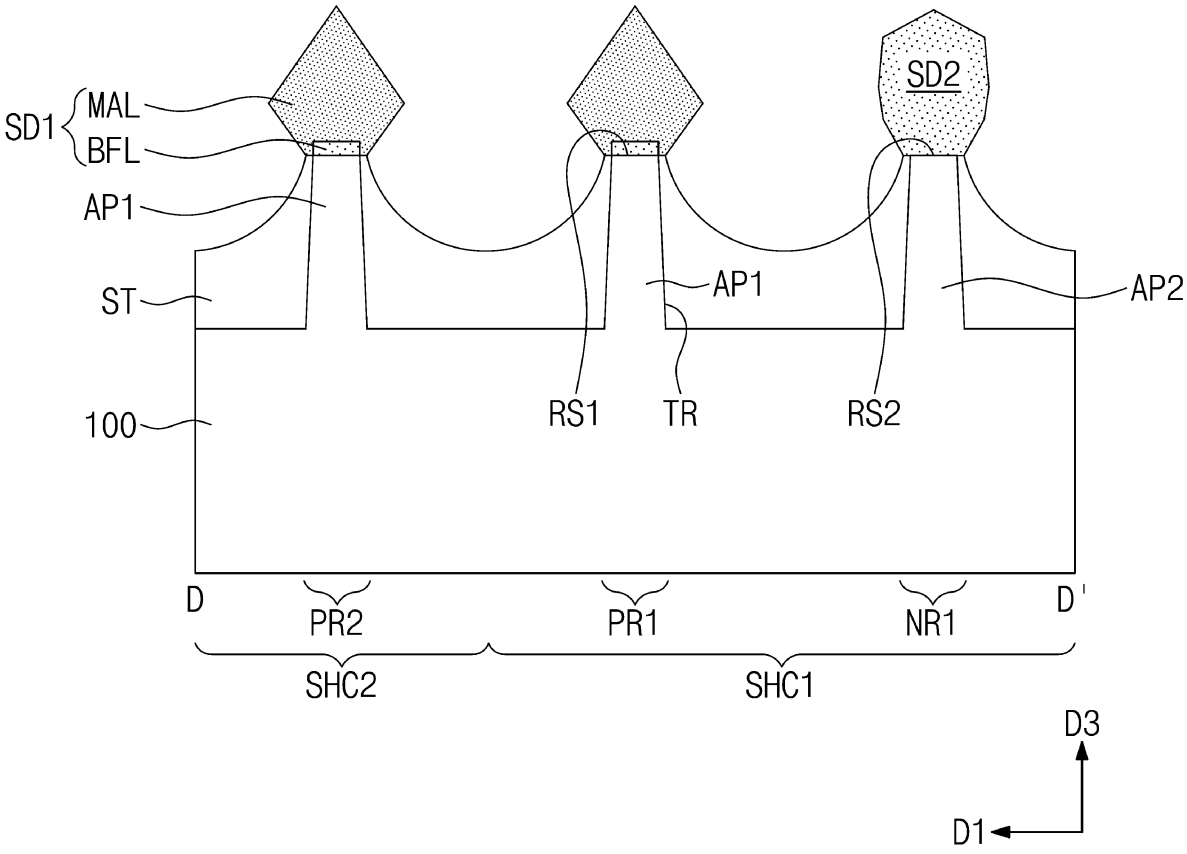

SD1
MAL
BFL
AP1
ST
100
SD2
AP1
AP2
RS1
TR
RS2
D
PR2
PR1
NR1
D'
SHC2
SHC1
D3
D1

FIG. 10A

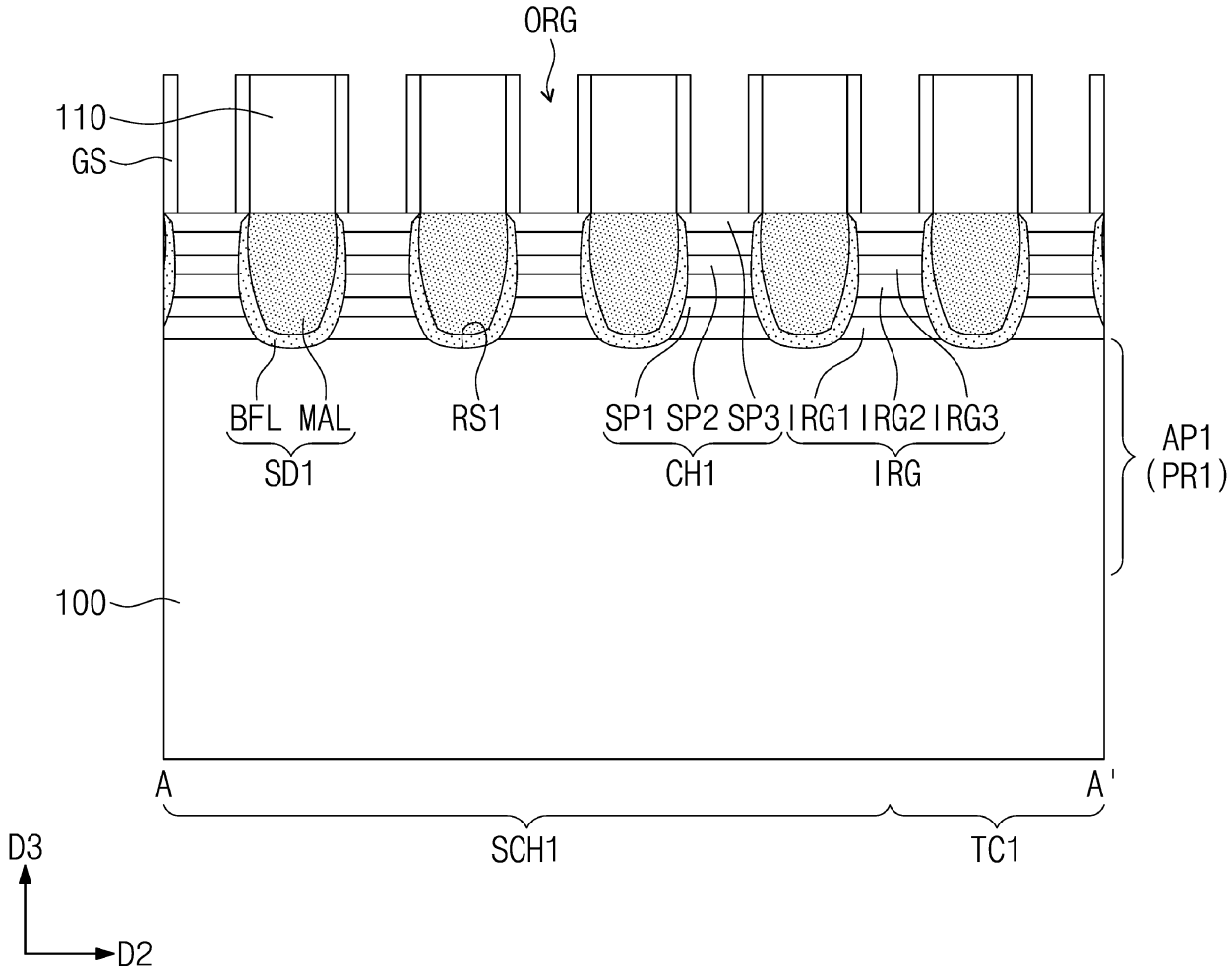

ORG
110
GS
BFL
MAL
SD1
RS1
SP1
SP2
SP3
CH1
IRG1
IRG2
IRG3
IRG
AP1
(PR1)
100
A
A'
SCH1
TC1
D3
D2

FIG. 10B

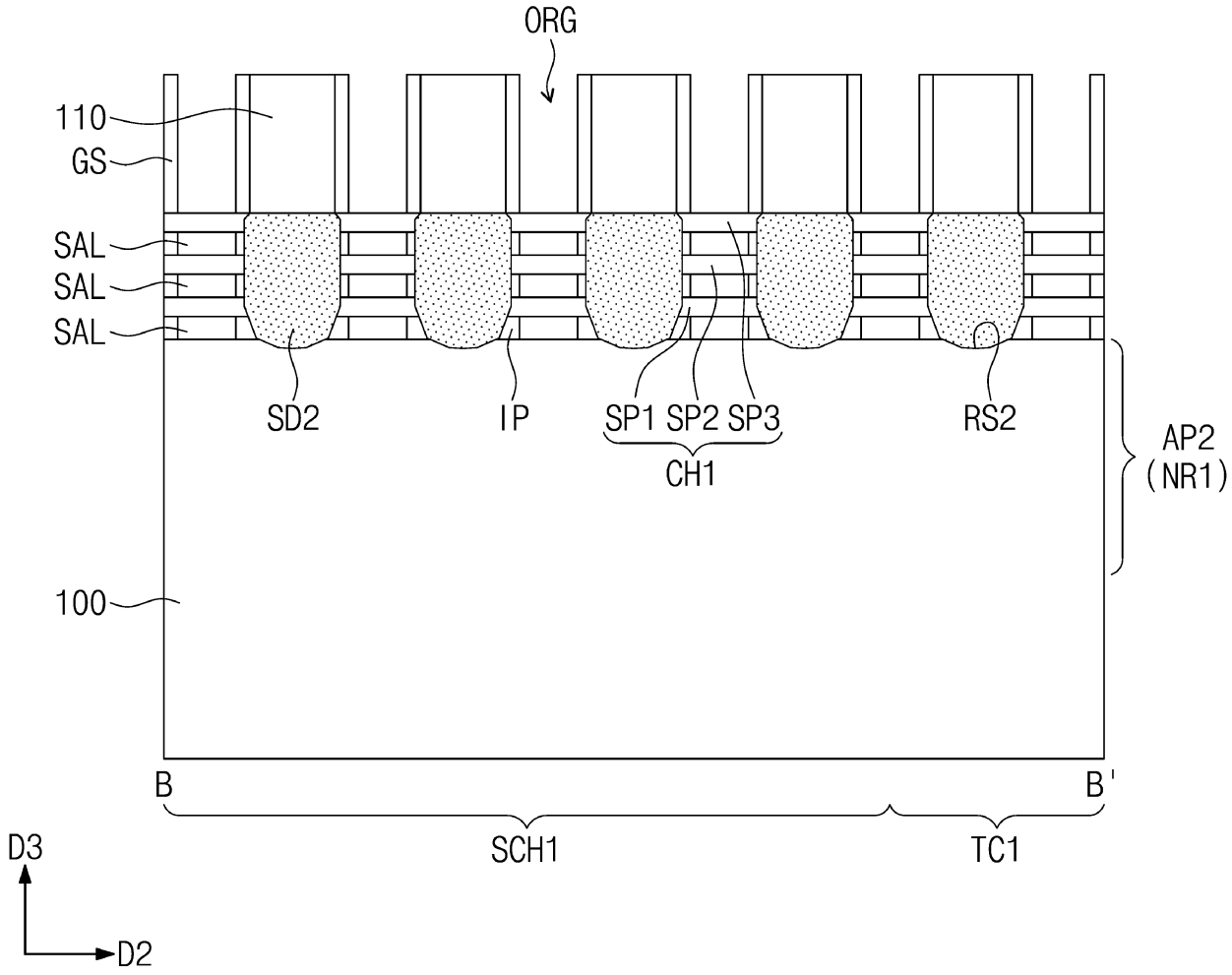

ORG
110
GS
SAL
SAL
SAL
SD2
IP
SP1 SP2 SP3
CH1
RS2
AP2
(NR1)
100
B
B'
SCH1
TC1
D3
D2

FIG. 10C

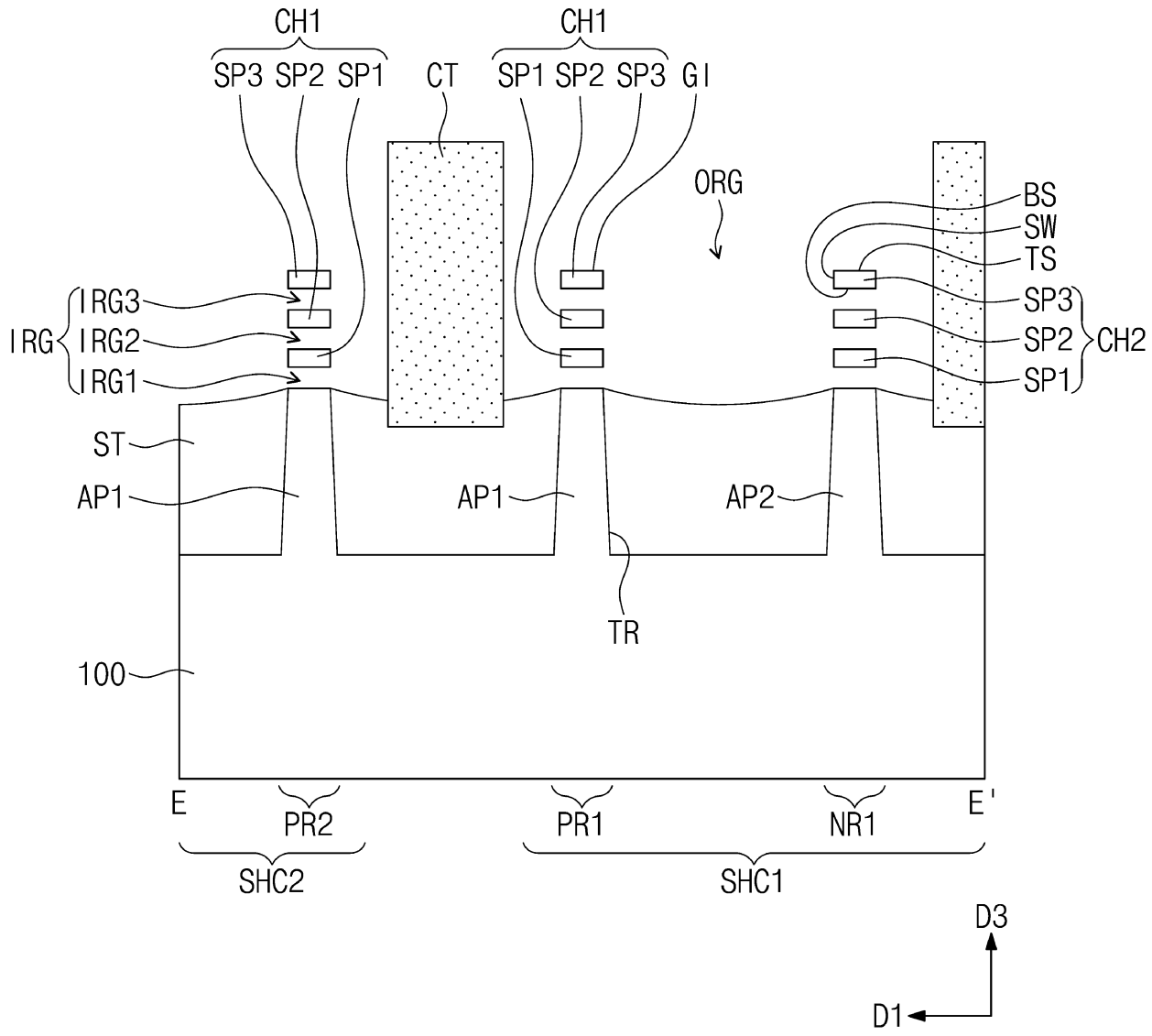

CH1
SP3 SP2 SP1
CT
CH1
SP1 SP2 SP3 GI
ORG
BS
SW
TS
SP3
SP2
SP1
CH2
IRG
IRG3
IRG2
IRG1
ST
AP1
AP1
AP2
TR
100
E
PR2
PR1
NR1
E'
SHC2
SHC1
D3
D1

FIG. 11A

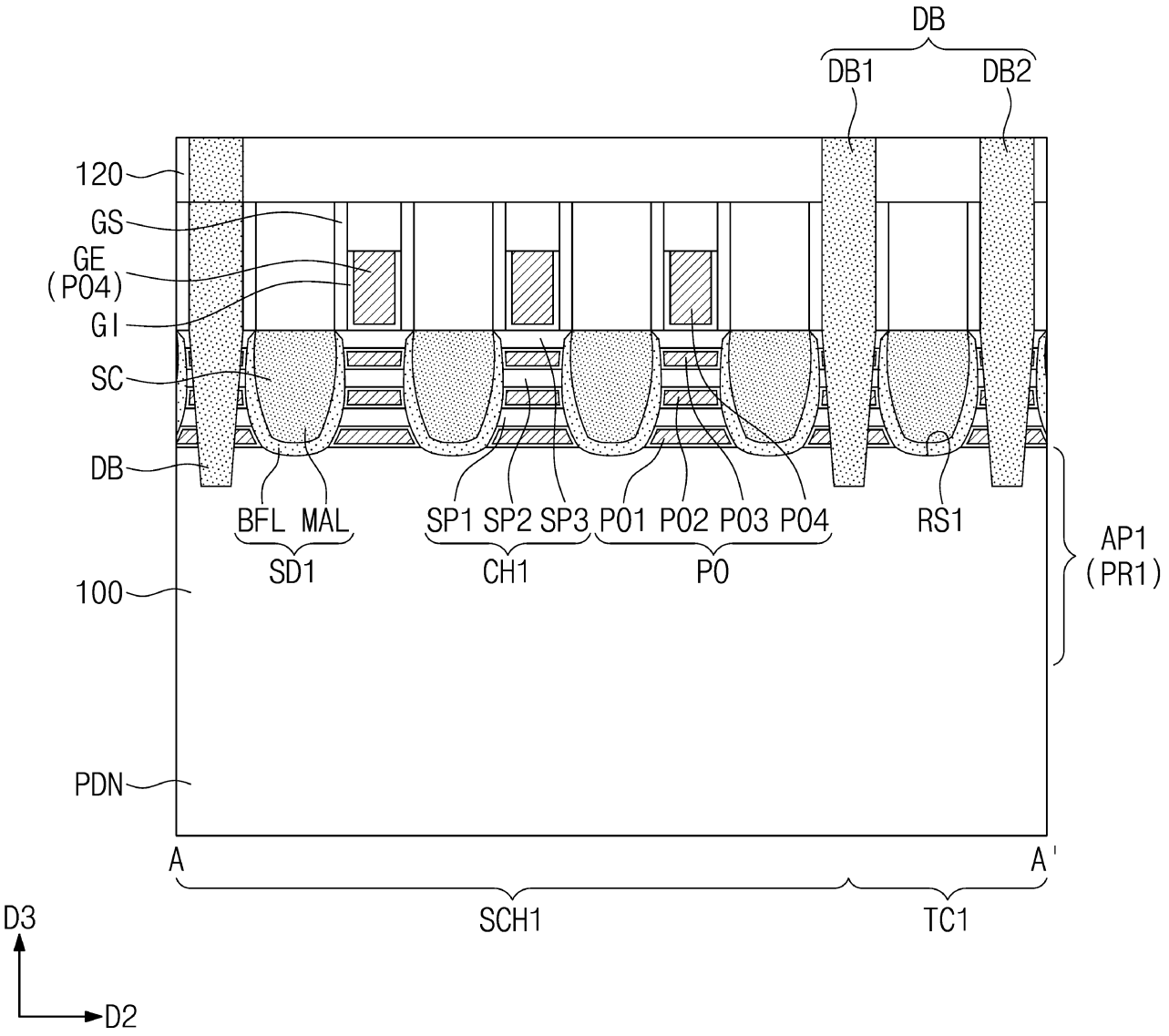

DB
DB1
DB2
120
GS
GE
(P04)
GI
SC
DB
BFL MAL
SD1
SP1 SP2 SP3
CH1
P01 P02 P03 P04
P0
RS1
AP1
(PR1)
100
PDN
A
A'
SCH1
TC1
D3
D2

FIG. 11B

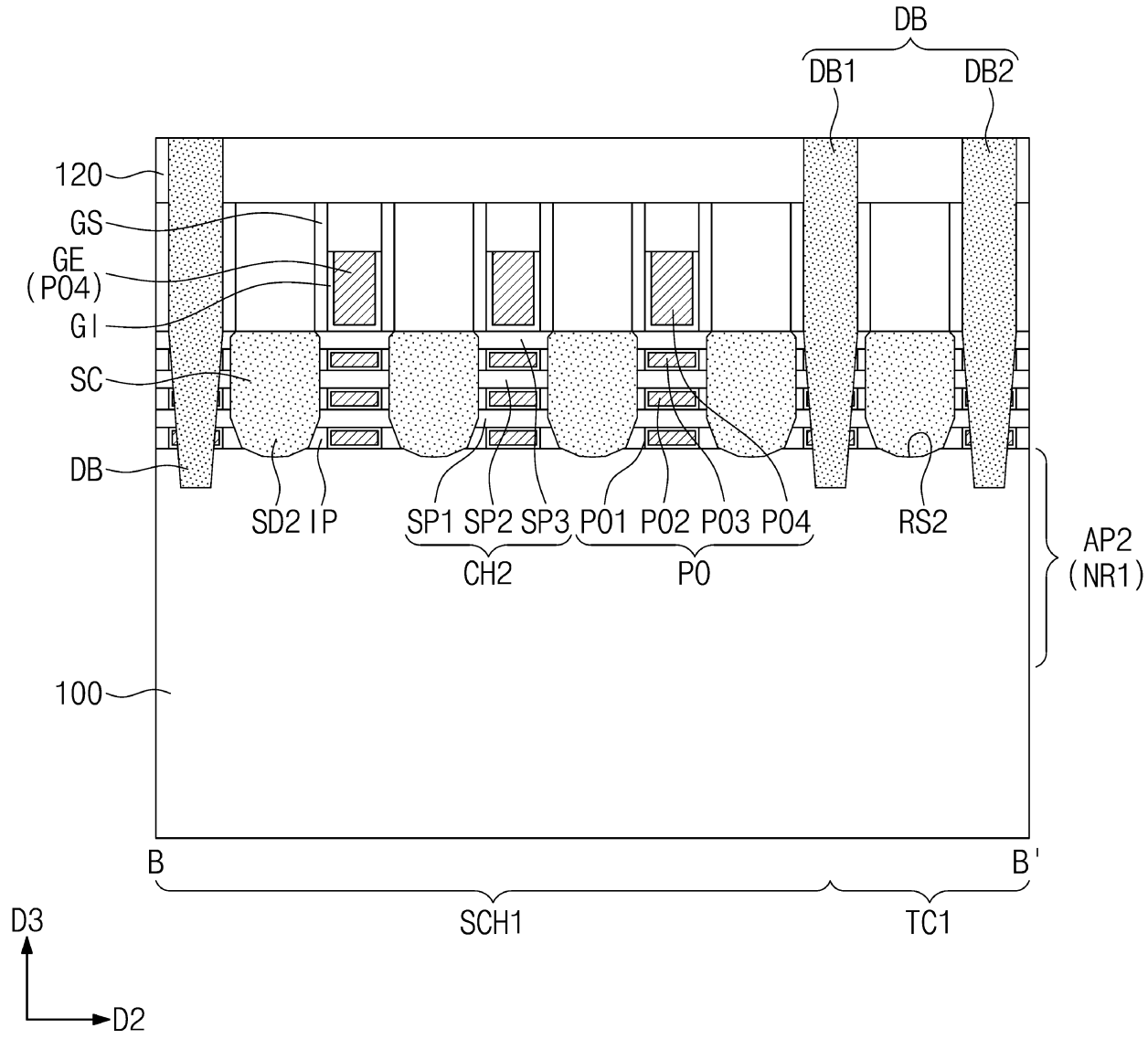

DB
DB1
DB2
120
GS
GE
(P04)
GI
SC
DB
SD2
IP
SP1
SP2
SP3
P01
P02
P03
P04
RS2
CH2
P0
AP2
(NR1)
100
B
B'
SCH1
TC1
D3
D2

FIG. 11C

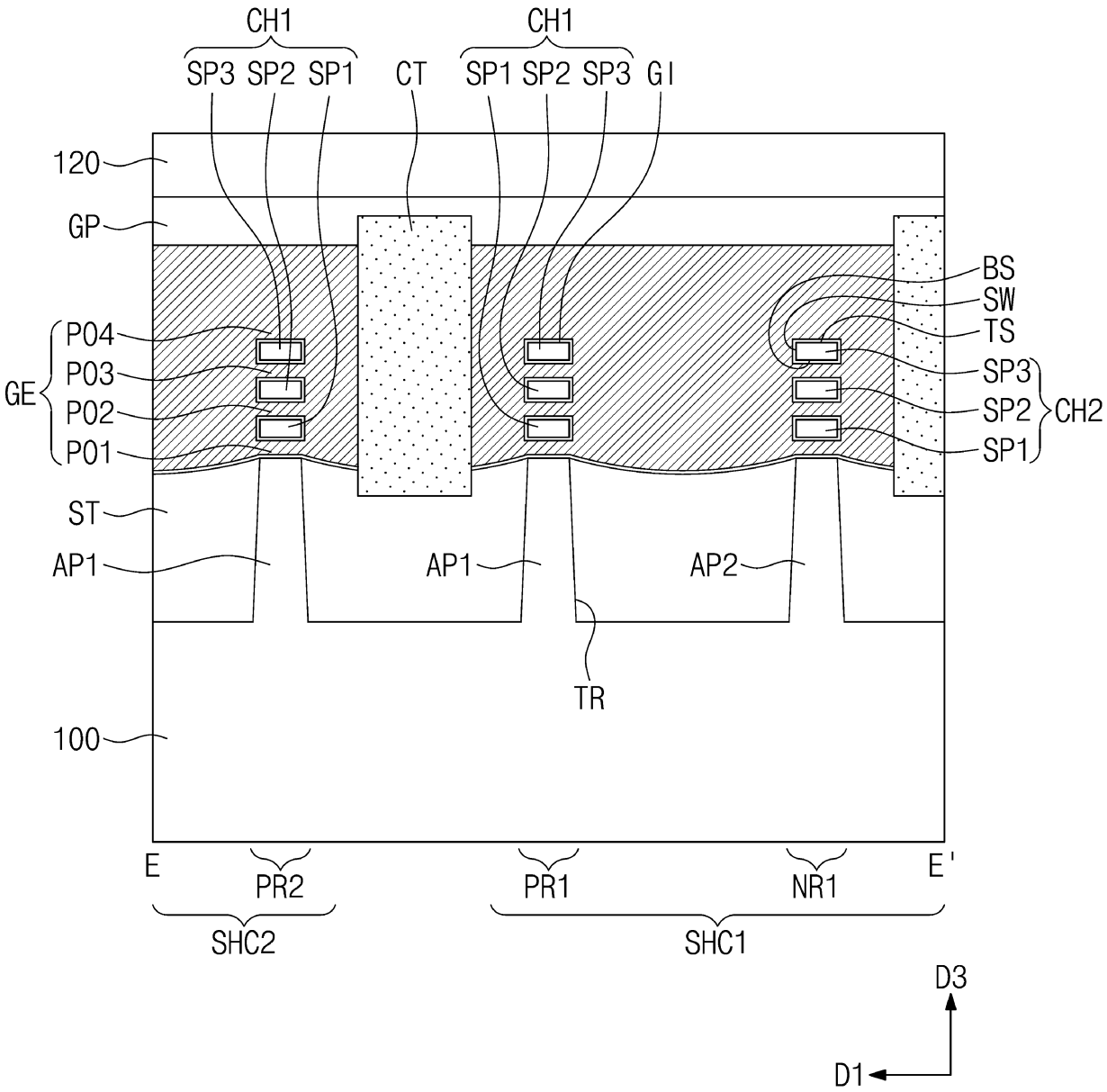

CH1
CH1
SP3 SP2 SP1
CT
SP1 SP2 SP3
GI
120
GP
BS
SW
TS
P04
P03
P02
P01
GE
SP3
SP2
SP1
CH2
ST
AP1
AP1
AP2
TR
100
E
PR2
PR1
NR1
E'
SHC2
SHC1
D3
D1

FIG. 11D

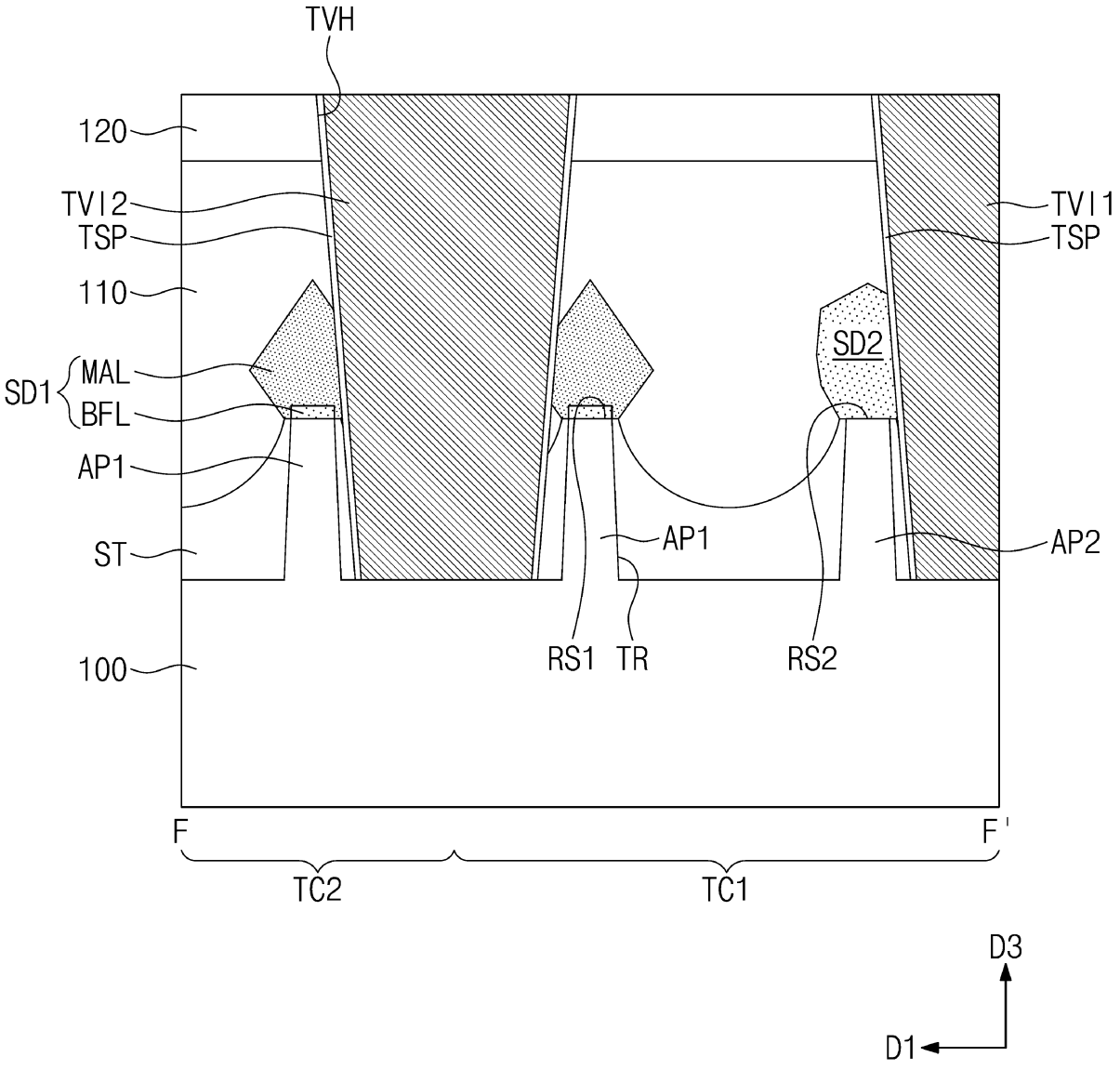

TVH
120
TVI2
TSP
110
SD1
MAL
BFL
AP1
ST
100
TVI1
TSP
SD2
AP1
AP2
RS1
TR
RS2
F
F'
TC2
TC1
D3
D1

FIG. 12

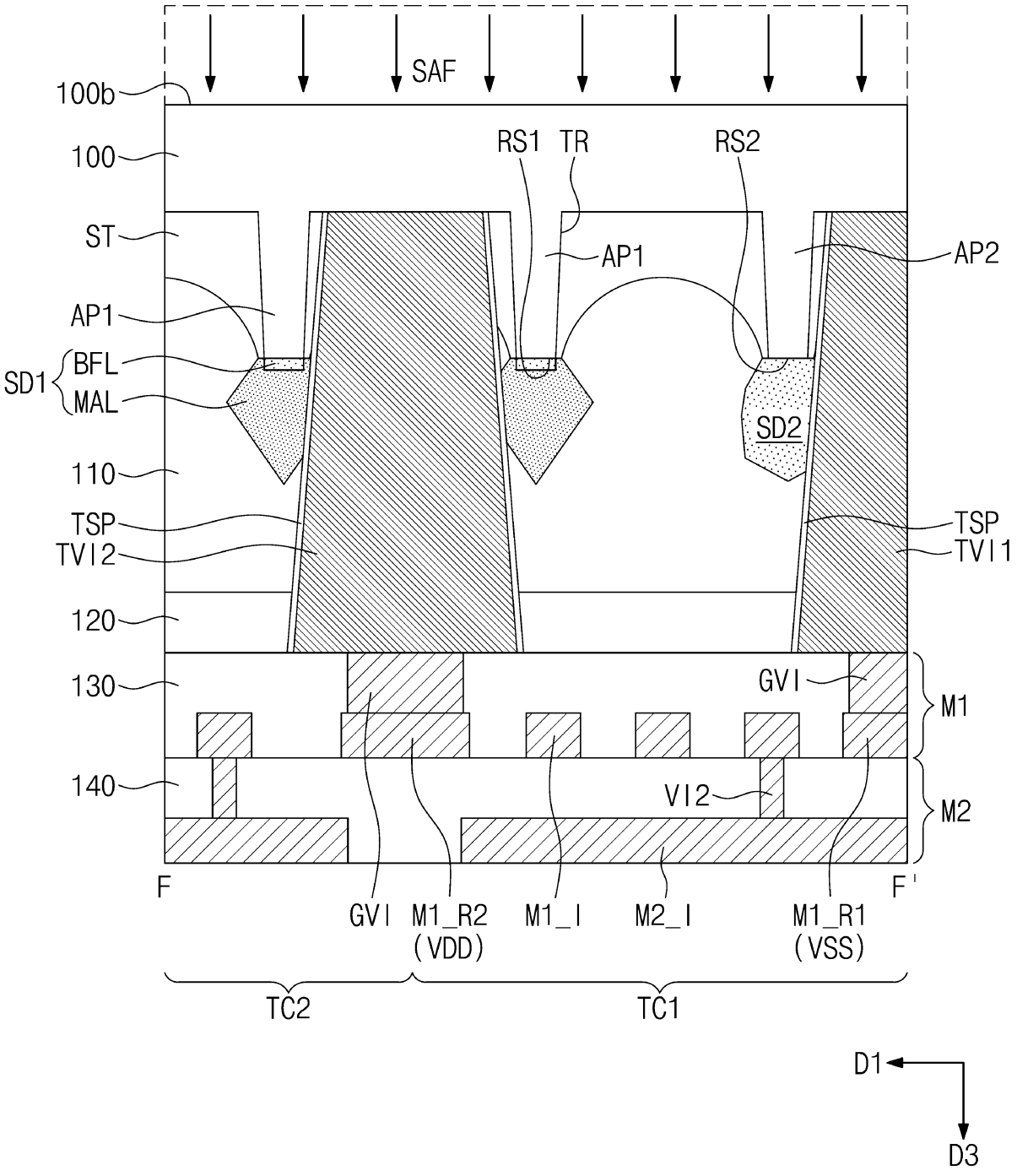

SAF
100b
100
ST
AP1
SD1
BFL
MAL
110
TSP
TVI2
120
130
140
RS1
TR
RS2
AP1
AP2
SD2
TSP
TVI1
GVI
M1
VI2
M2
F
F'
GVI
M1_R2
(VDD)
M1_I
M2_I
M1_R1
(VSS)
TC2
TC1
D1
D3

FIG. 13

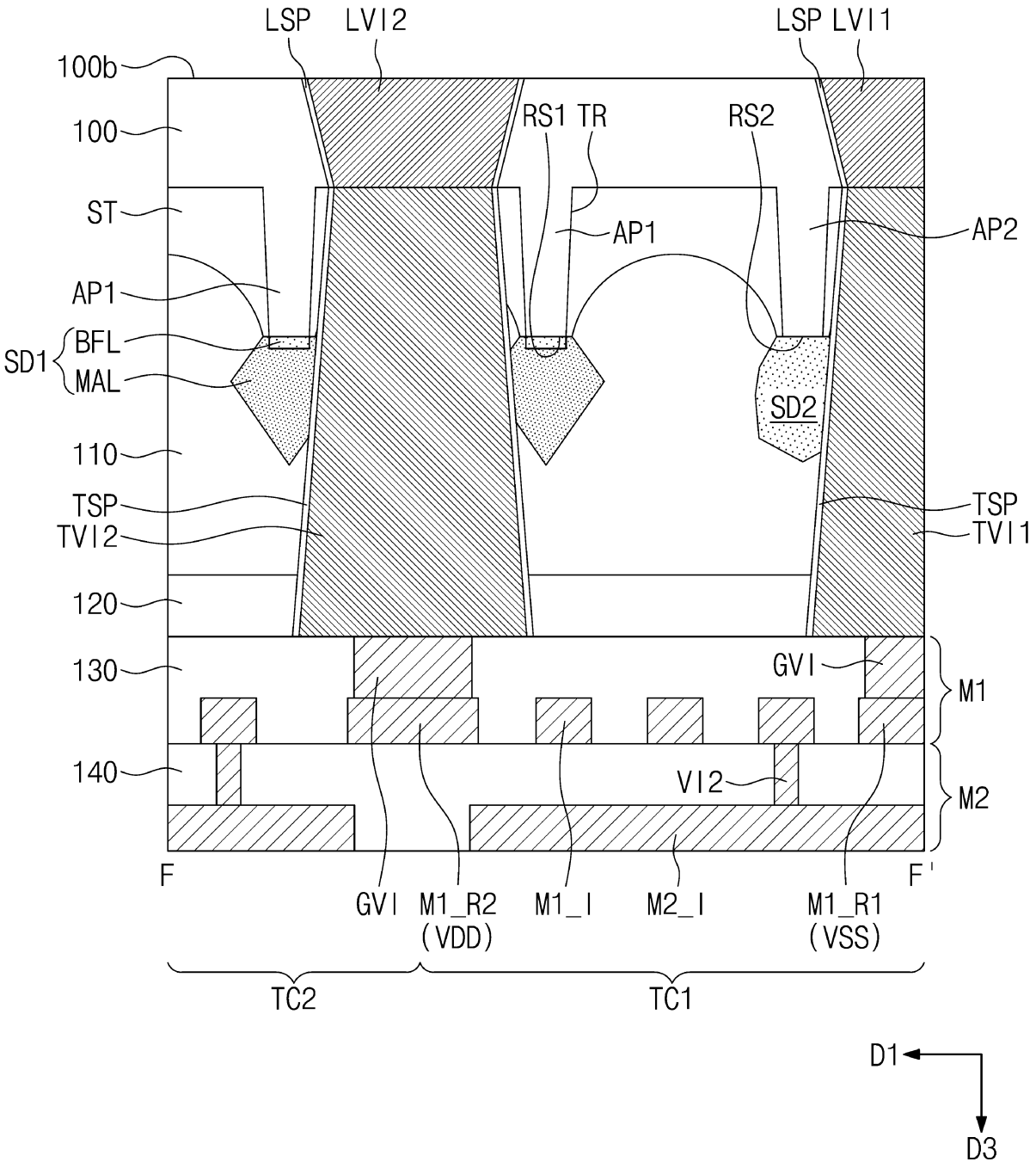

LSP
LVI2
LSP
LVI1
100b
100
RS1
TR
RS2
ST
AP1
AP2
AP1
SD1
BFL
MAL
SD2
110
TSP
TVI2
TSP
TVI1
120
130
GVI
M1
140
VI2
M2
F
F'
GVI
M1_R2
(VDD)
M1_I
M2_I
M1_R1
(VSS)
TC2
TC1
D1
D3

FIG. 14

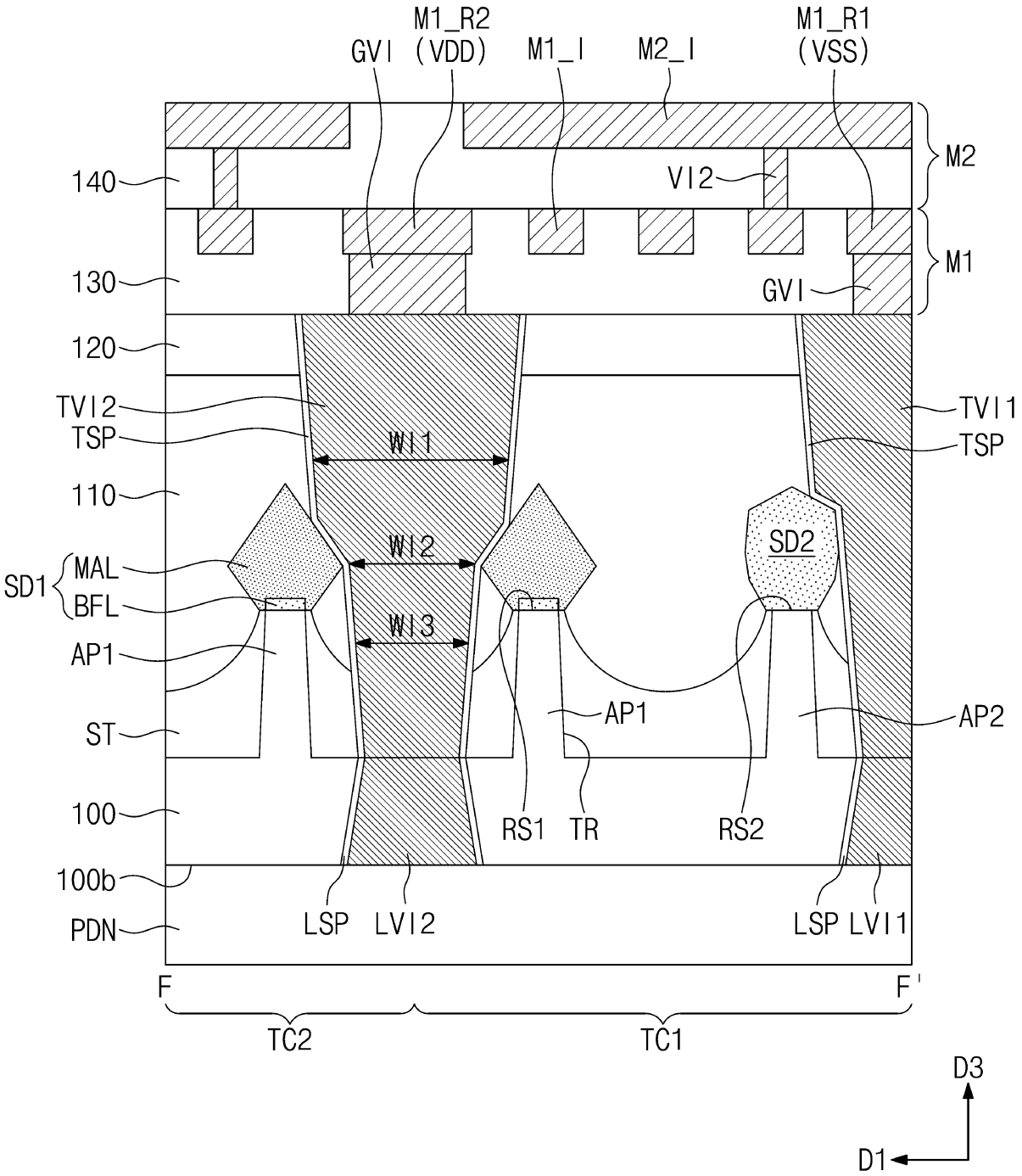

M1_R2
GVI
(VDD)
M1_I
M2_I
M1_R1
(VSS)
M2
VI2
140
M1
130
GVI
120
TVI2
TVI1
TSP
WI1
TSP
110
WI2
SD2
SD1
MAL
BFL
WI3
AP1
AP1
AP2
ST
100
RS1
TR
RS2
100b
PDN
LSP
LVI2
LSP
LVI1
F
F'
TC2
TC1
D3
D1

FIG. 15

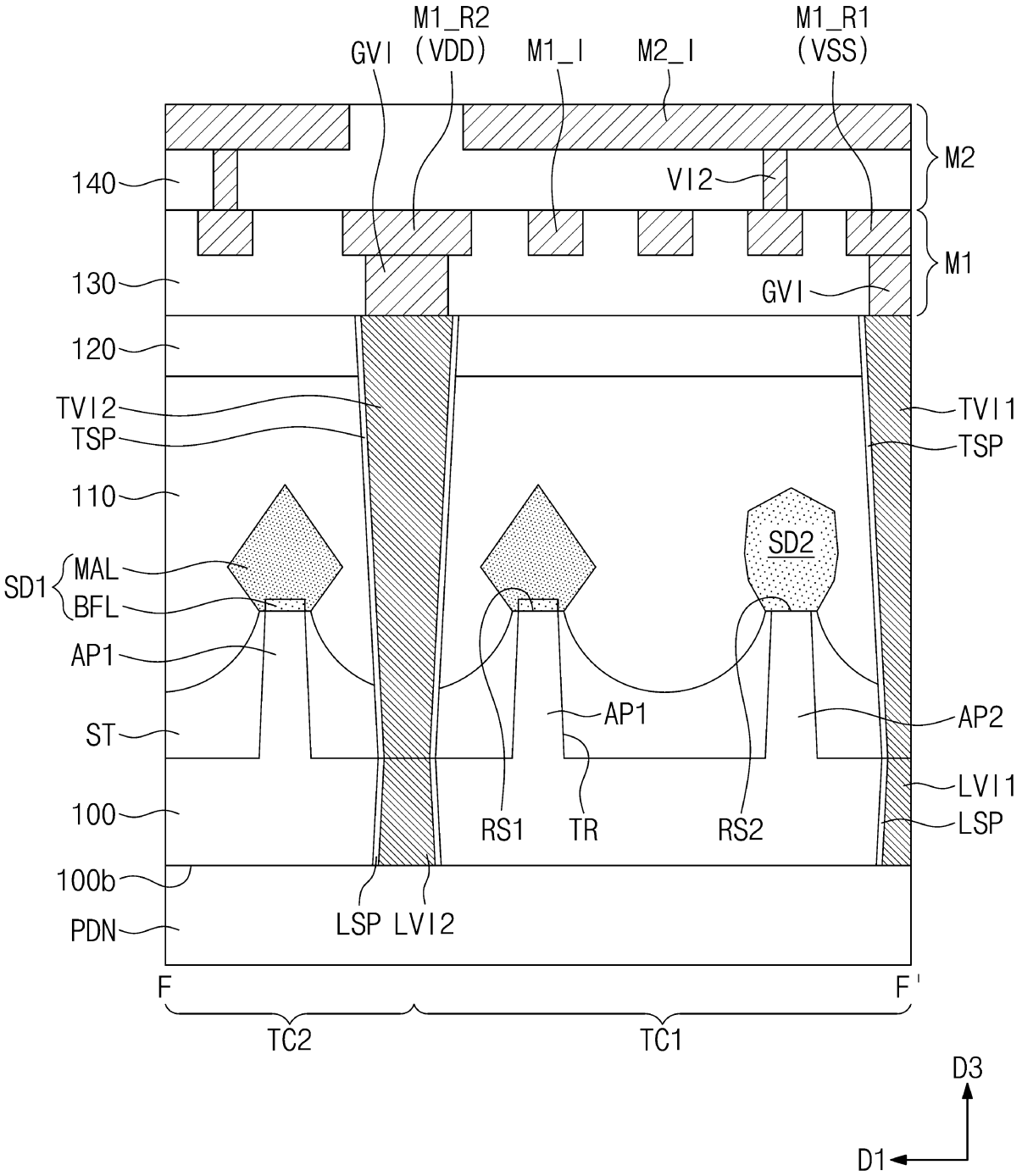

M1_R2
(VDD)
GVI
M1_I
M2_I
M1_R1
(VSS)
M2
VI2
140
M1
130
GVI
120
TVI2
TSP
TVI1
TSP
110
SD2
SD1
MAL
BFL
AP1
AP1
AP2
ST
LVI1
100
RS1
TR
RS2
LSP
100b
LSP
LVI2
PDN
F
F'
TC2
TC1
D3
D1

FIG. 16

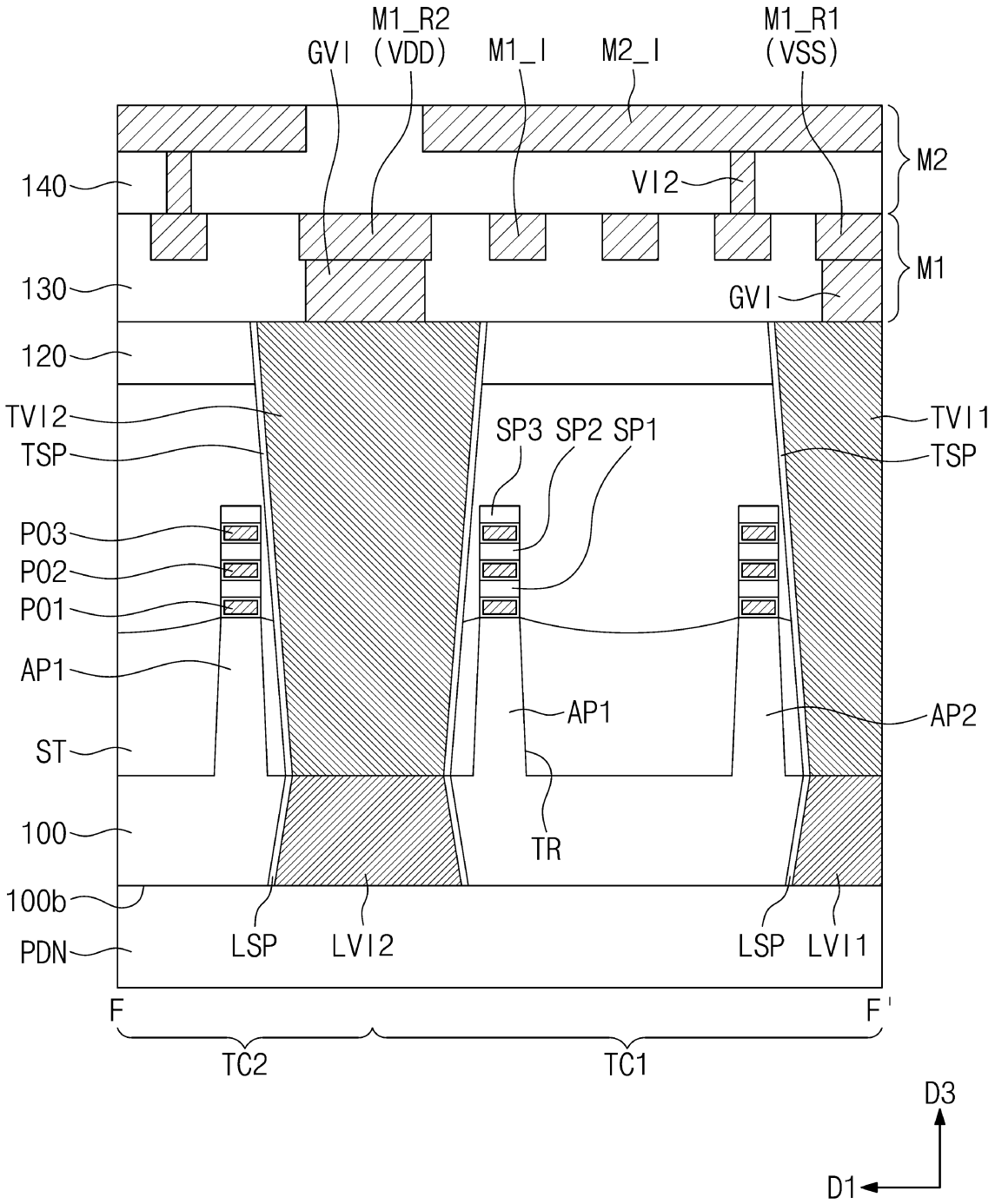

M1_R2
GVI (VDD)
M1_I
M2_I
M1_R1
(VSS)
M2
140
VI2
M1
130
GVI
120
TVI2
TSP
SP3 SP2 SP1
TVI1
TSP
P03
P02
P01
AP1
AP1
AP2
ST
100
TR
100b
PDN
LSP
LVI2
LSP
LVI1
F
F'
TC2
TC1
D3
D1

FIG. 17

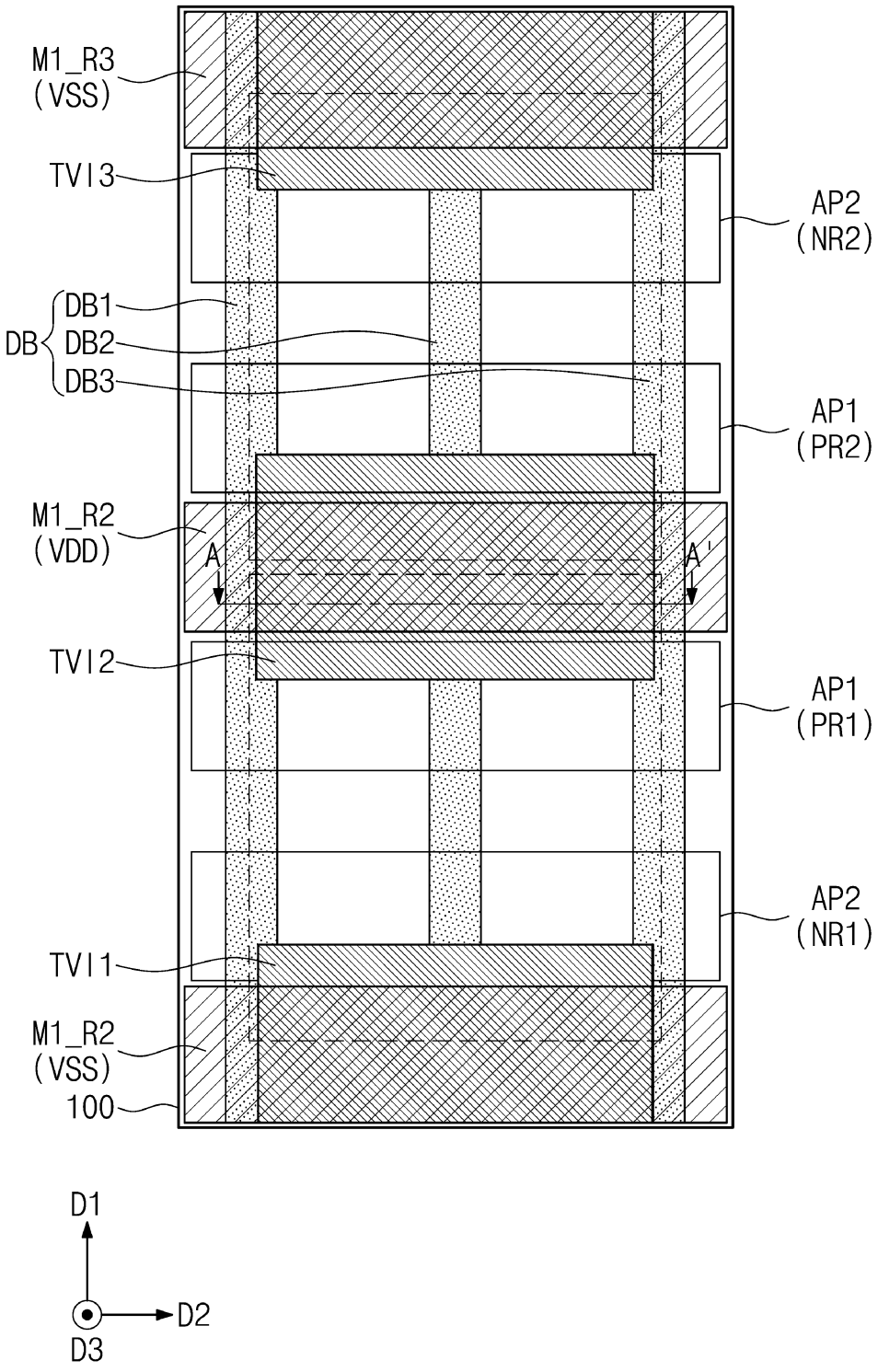

M1_R3
(VSS)
TVI3
AP2
(NR2)
DB
DB1
DB2
DB3
AP1
(PR2)
M1_R2
(VDD)
A
A'
TVI2
AP1
(PR1)
AP2
(NR1)
TVI1
M1_R2
(VSS)
100
D1
D2
D3

FIG. 18

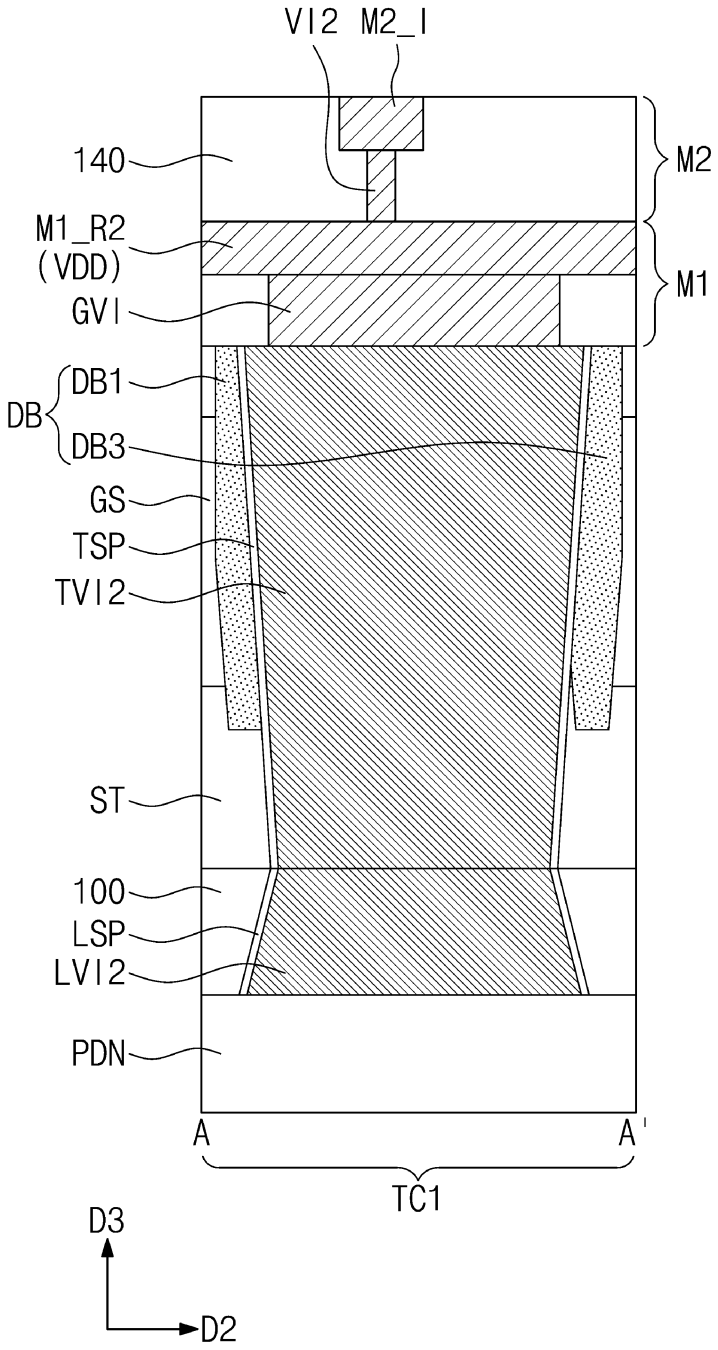

VI2
M2_I
140
M2
M1_R2
(VDD)
M1
GVI
DB
DB1
DB3
GS
TSP
TVI2
ST
100
LSP
LVI2
PDN
A
A'
TC1
D3
D2

FIG. 19

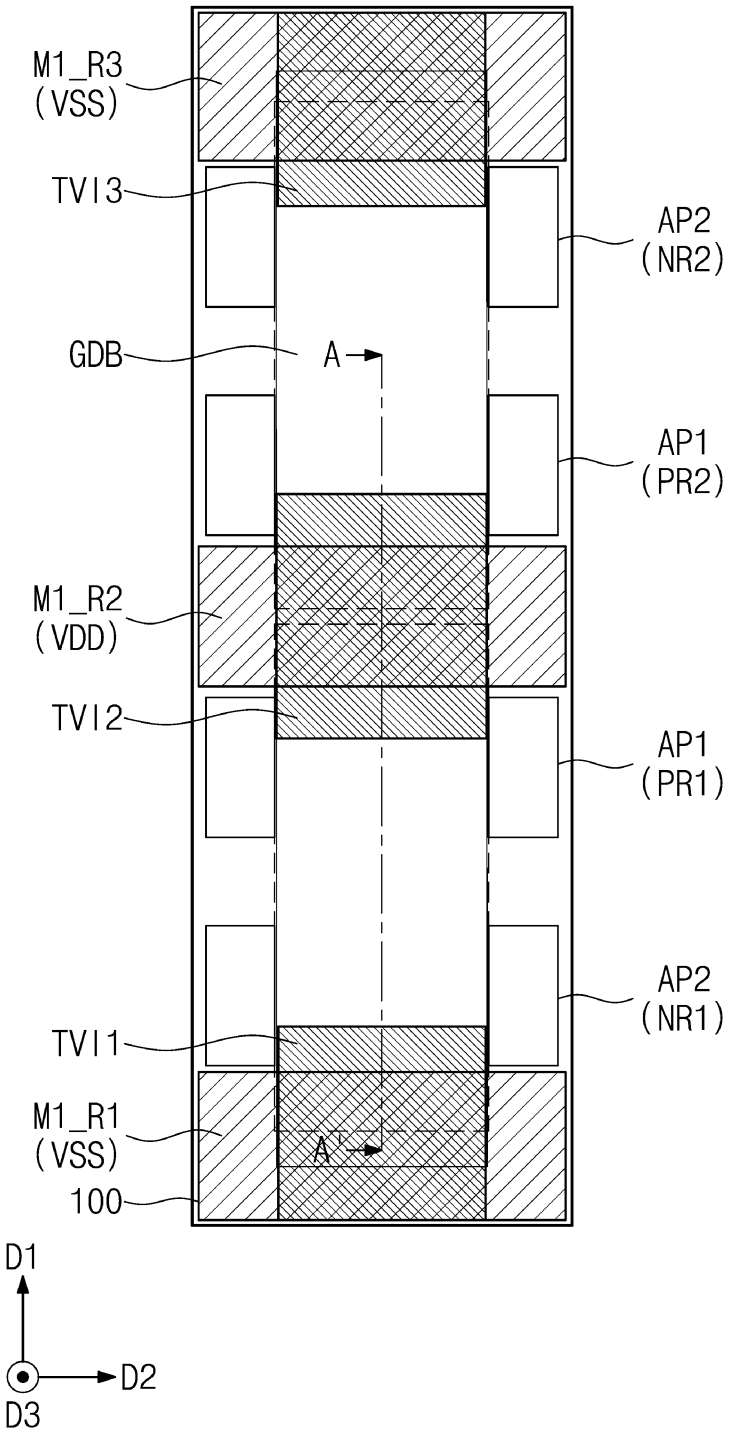

M1_R3
(VSS)
TVI3
AP2
(NR2)
GDB
A
AP1
(PR2)
M1_R2
(VDD)
TVI2
AP1
(PR1)
AP2
(NR1)
TVI1
M1_R1
(VSS)
A'
100
D1
D2
D3

FIG. 20

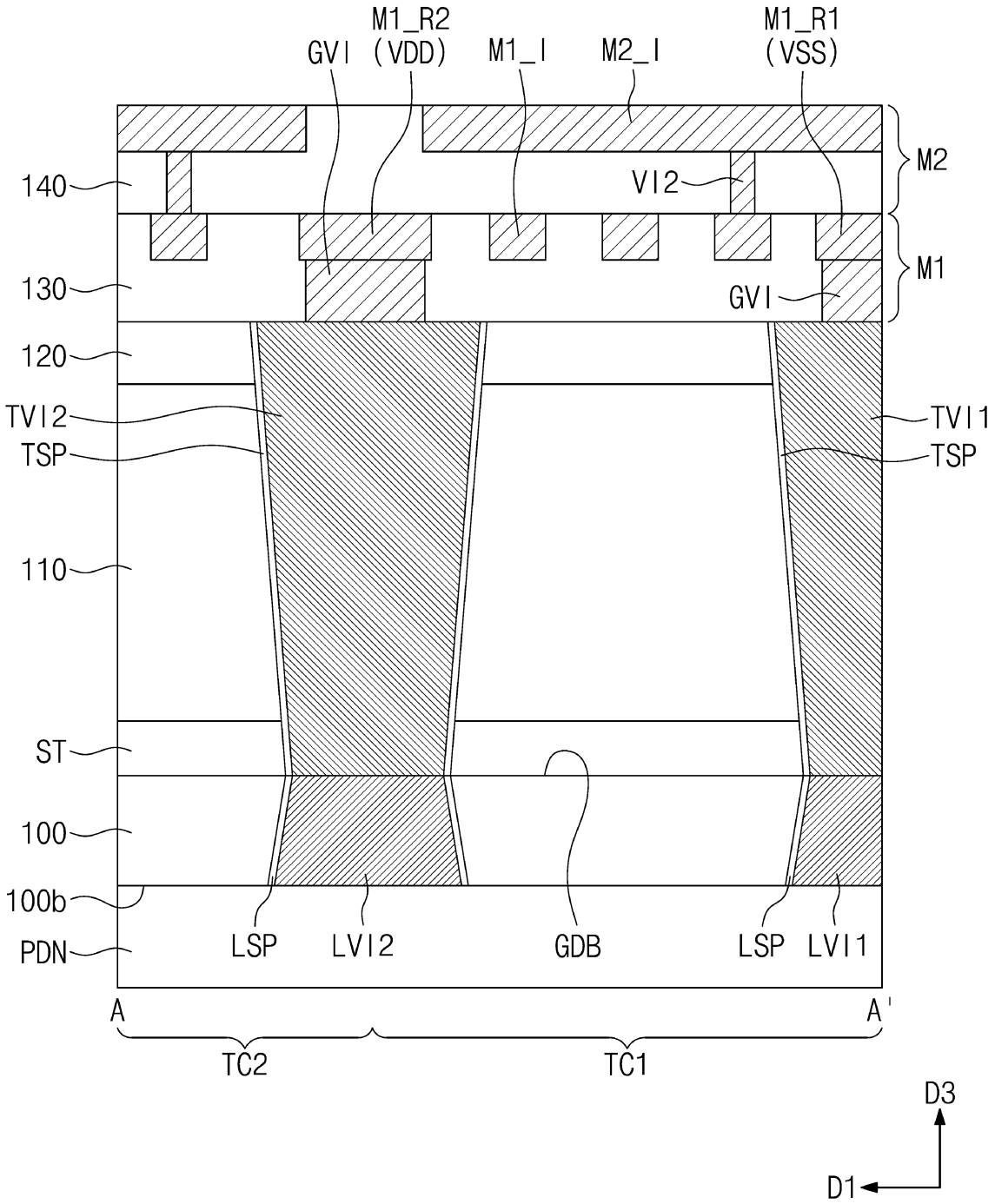

M1_R2
GVI (VDD)
M1_I
M2_I
M1_R1
(VSS)
M2
VI2
140
M1
130
GVI
120
TVI2
TVI1
TSP
TSP
110
ST
100
100b
PDN
LSP
LVI2
GDB
LSP
LVI1
A
A'
TC2
TC1
D3
D1

FIG. 21

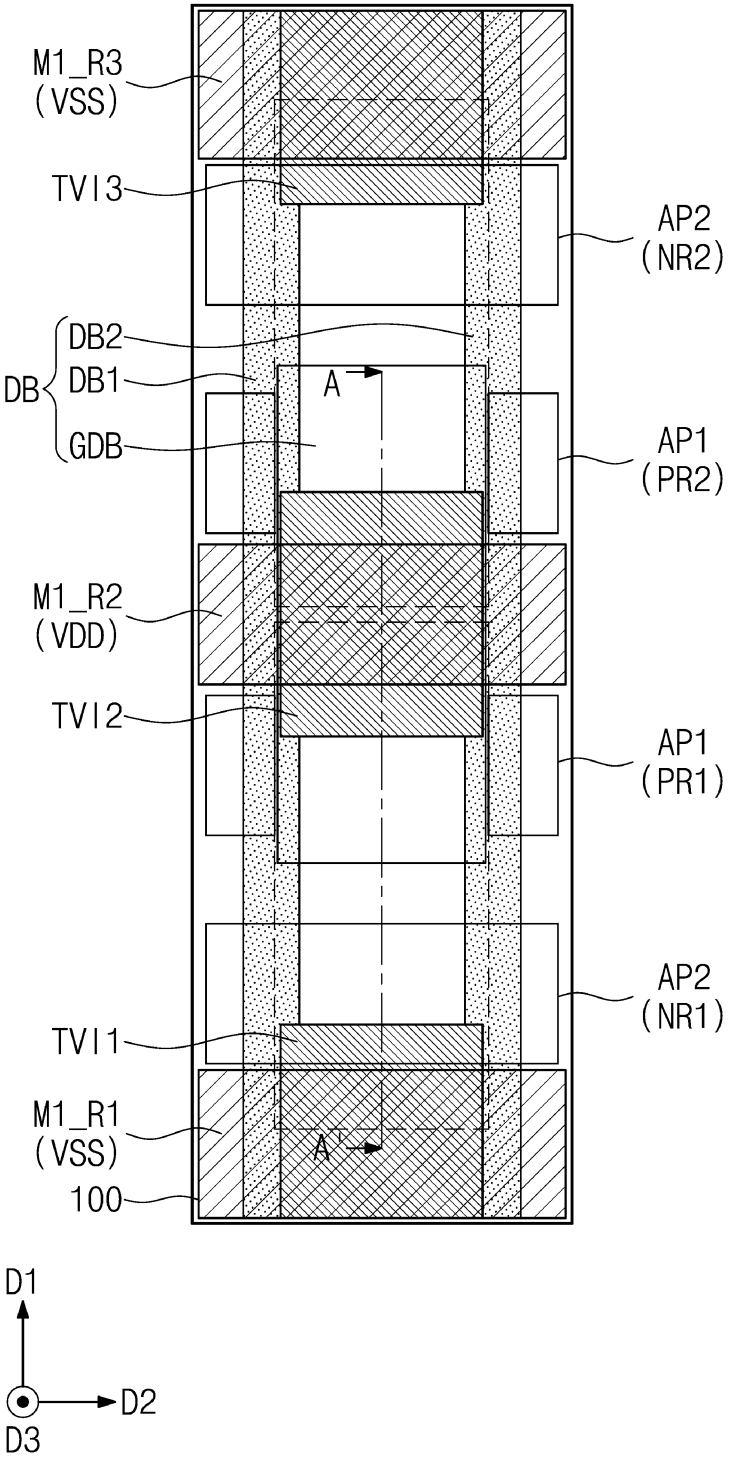

M1_R3
(VSS)
TVI3
AP2
(NR2)
DB2
DB
DB1
GDB
A
AP1
(PR2)
M1_R2
(VDD)
TVI2
AP1
(PR1)
AP2
(NR1)
TVI1
M1_R1
(VSS)
A'
100
D1
D2
D3

FIG. 22

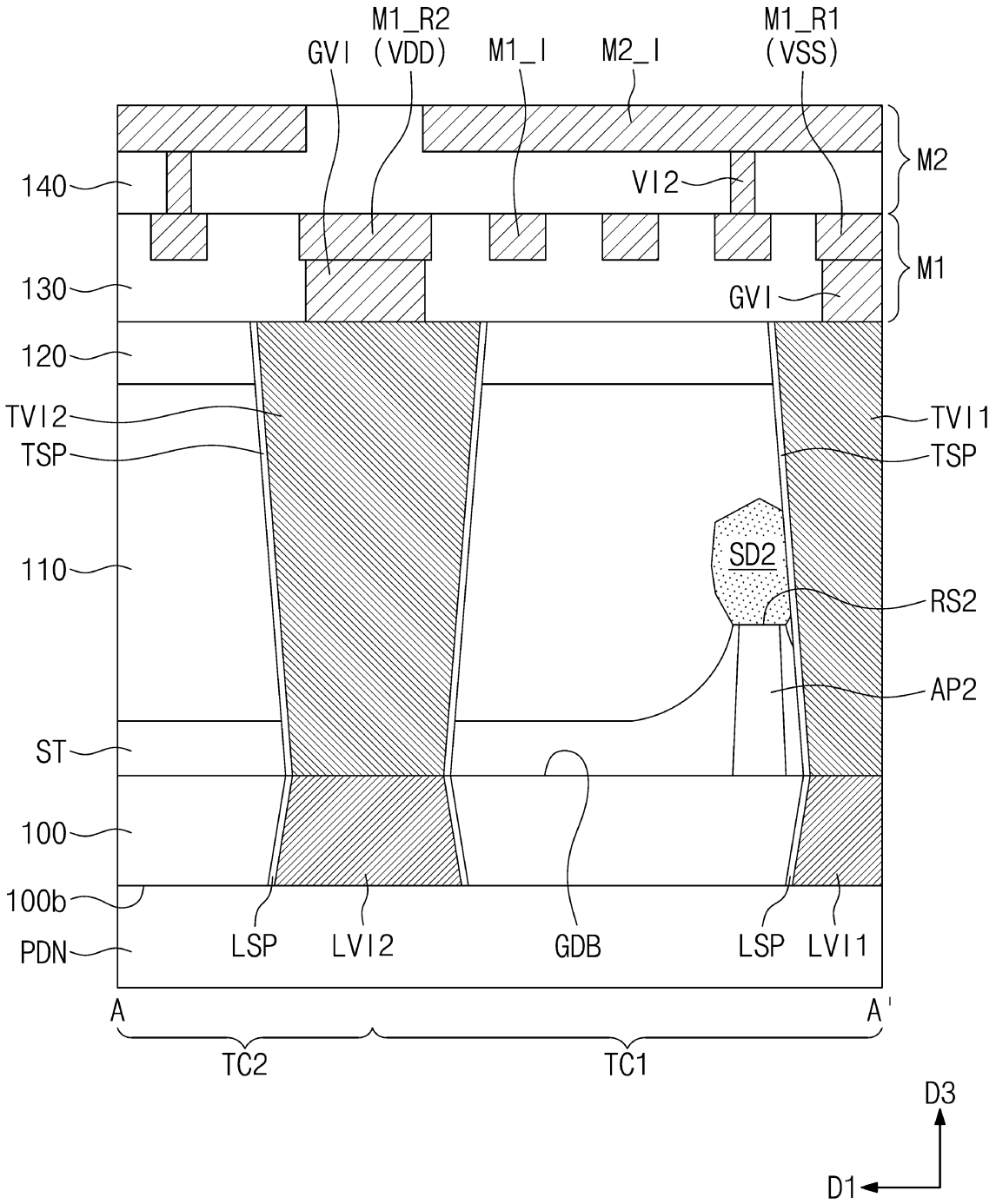

M1_R2
GVI
(VDD)
M1_I
M2_I
M1_R1
(VSS)
M2
VI2
140
M1
130
GVI
120
TVI2
TVI1
TSP
TSP
SD2
110
RS2
AP2
ST
100
100b
PDN
LSP
LVI2
GDB
LSP
LVI1
A
A'
TC2
TC1
D3
D1

FIG. 23

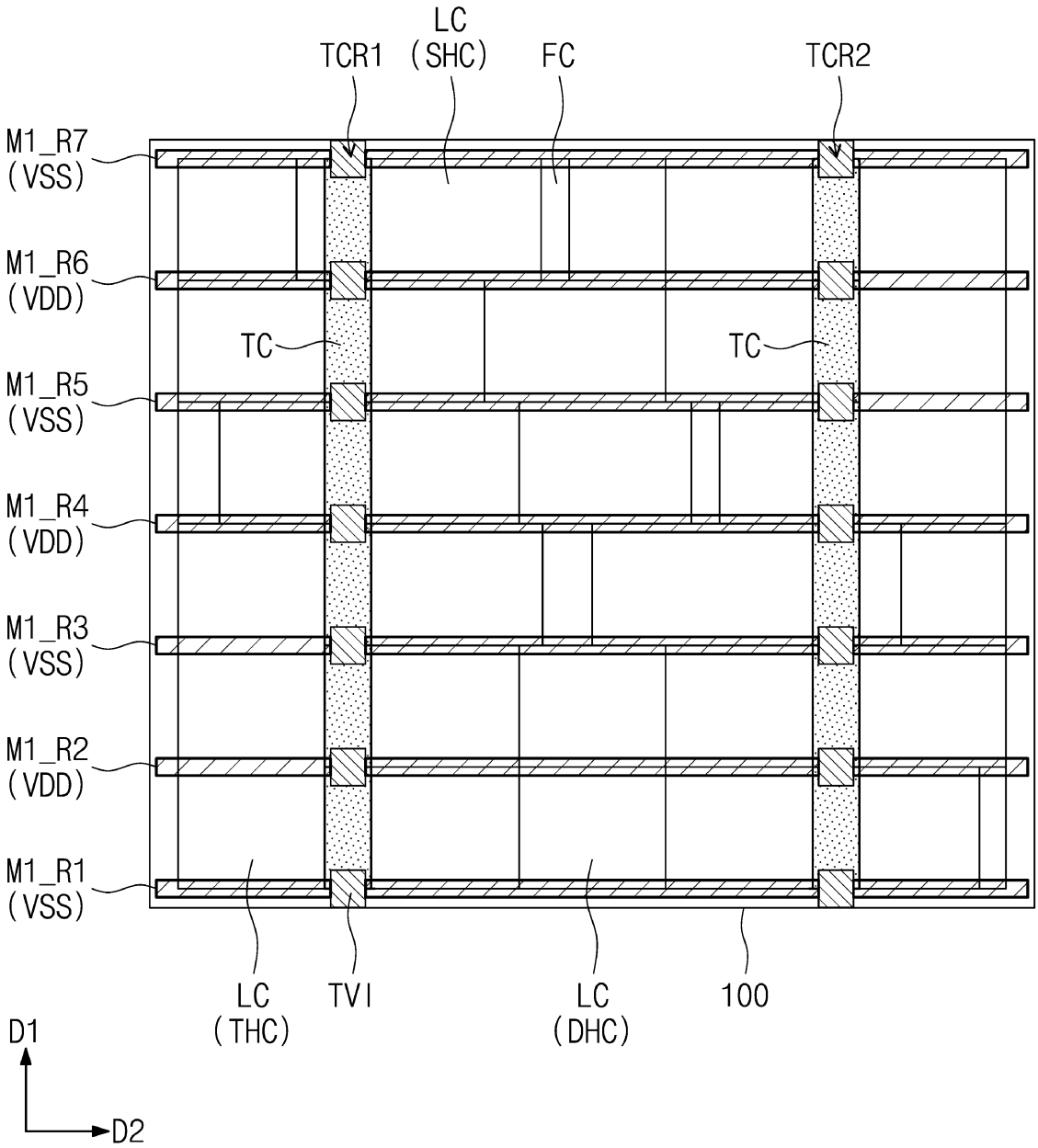
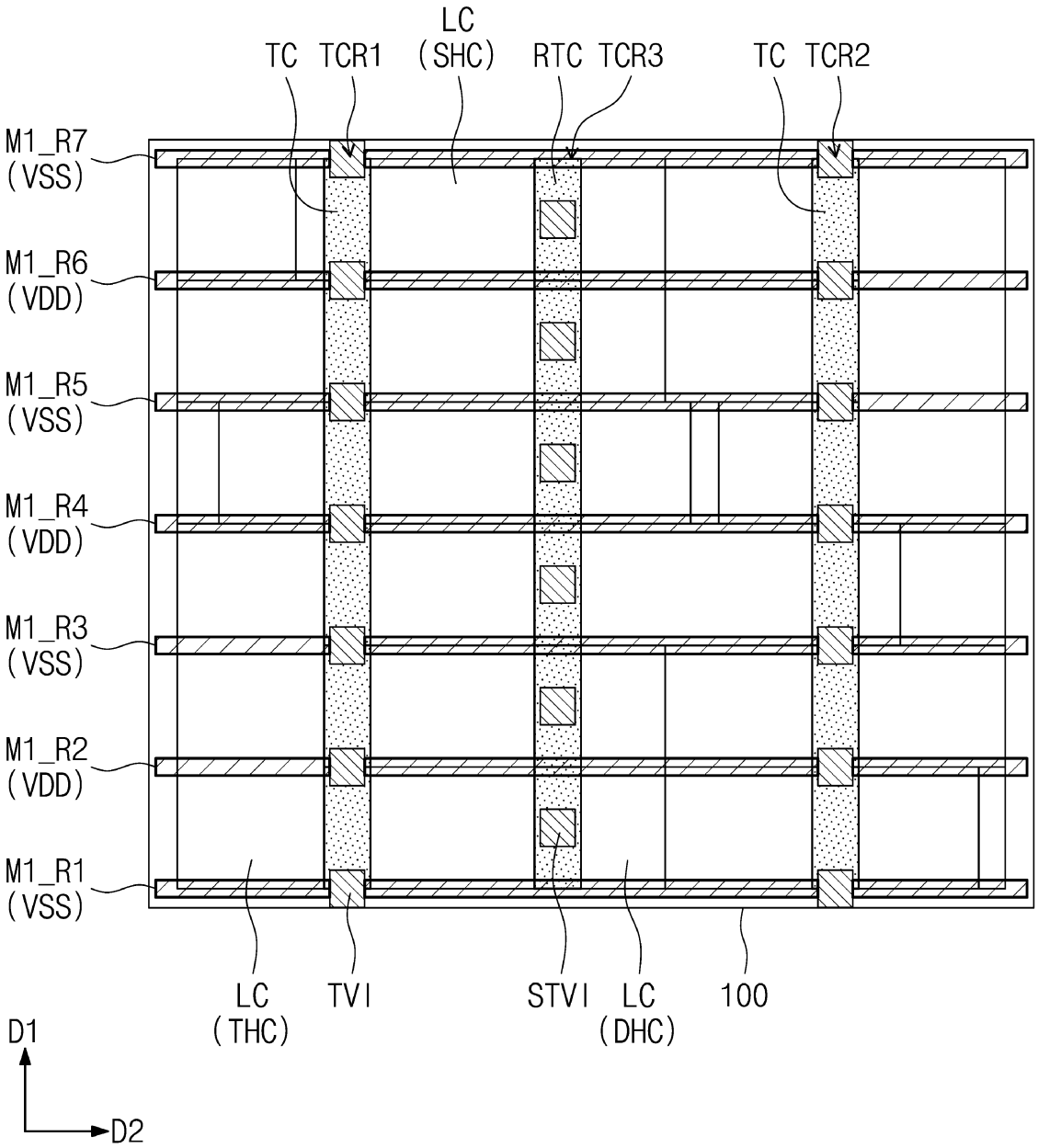

LC
TCR1
(SHC)
FC
TCR2
M1_R7
(VSS)
M1_R6
(VDD)
TC
TC
M1_R5
(VSS)
M1_R4
(VDD)
M1_R3
(VSS)
M1_R2
(VDD)
M1_R1
(VSS)
LC
(THC)
TVI
LC
(DHC)
100
D1
D2

FIG. 24


LC
TC
TCR1
(SHC)
RTC
TCR3
TC
TCR2
M1_R7
(VSS)
M1_R6
(VDD)
M1_R5
(VSS)
M1_R4
(VDD)
M1_R3
(VSS)
M1_R2
(VDD)
M1_R1
(VSS)
LC
(THC)
TVI
STVI
LC
(DHC)
100
D1
D2