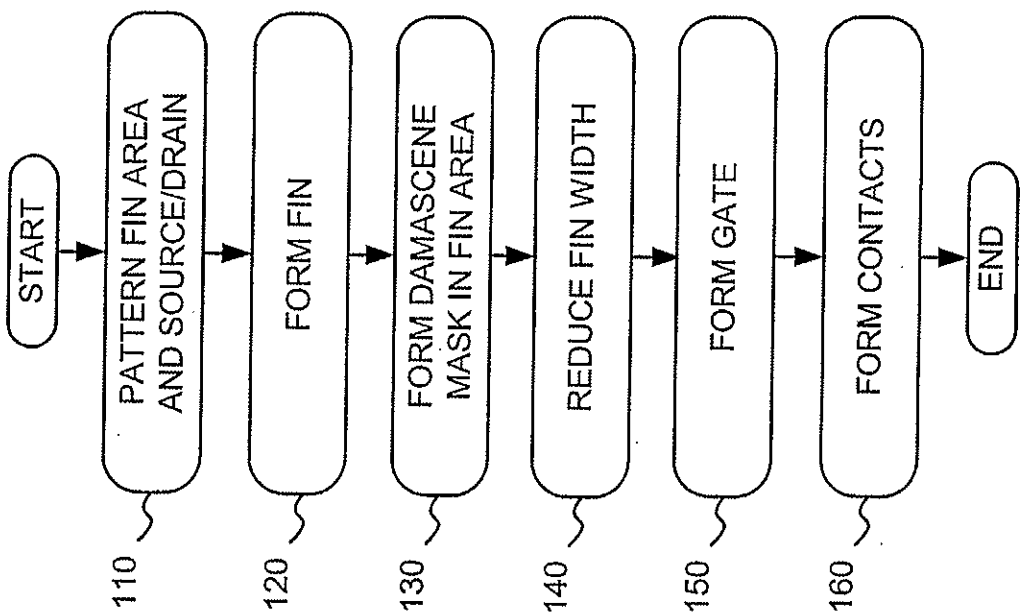
FIG. 1


START
PATTERN FIN AREA AND SOURCE/DRAIN
FORM FIN
FORM DAMASCENE MASK IN FIN AREA
REDUCE FIN WIDTH
FORM GATE
FORM CONTACTS
END
110
120
130
140
150
160

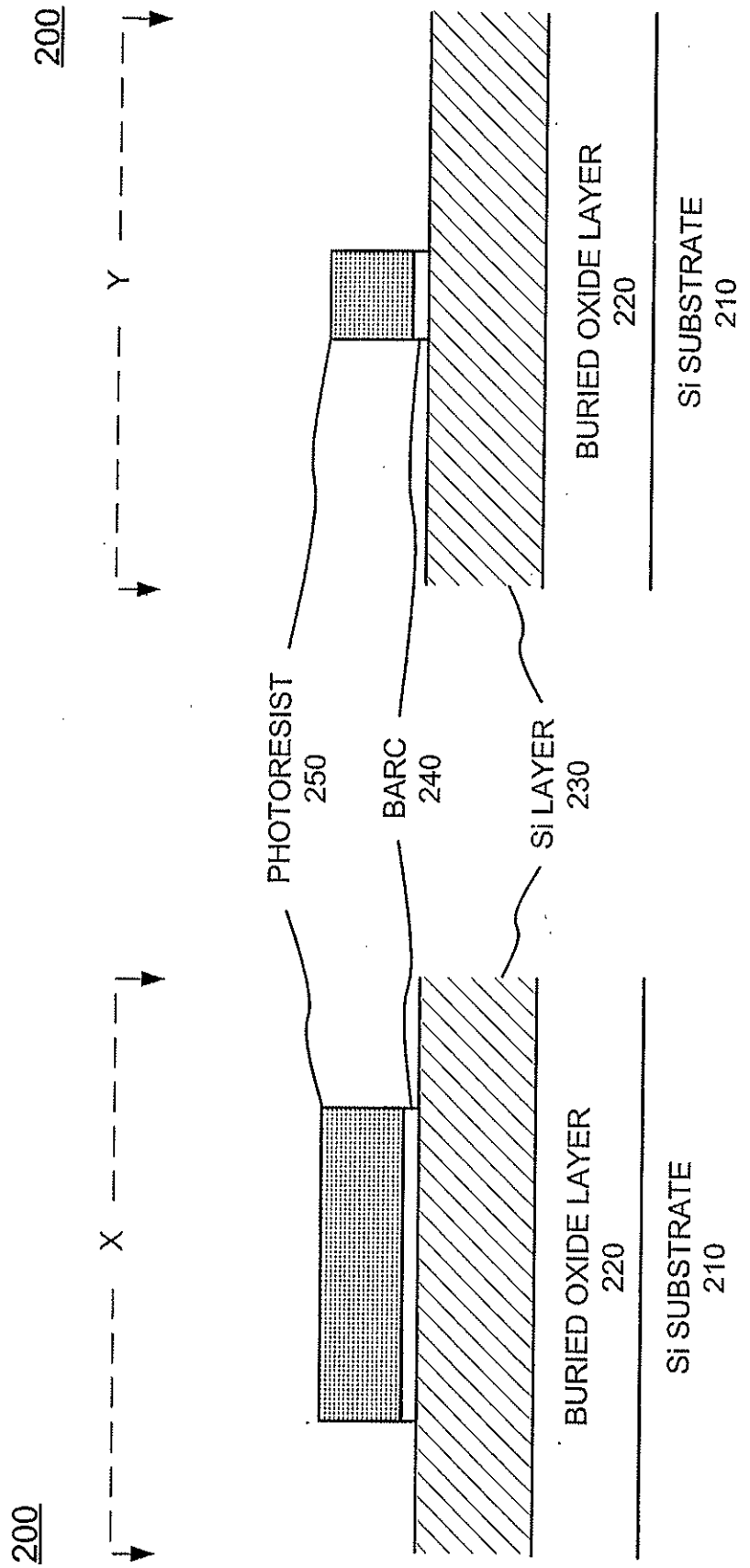

200
X
Y
200
PHOTORESIST
250
BARC
240
Si LAYER
230
BURIED OXIDE LAYER
220
Si SUBSTRATE
210
BURIED OXIDE LAYER
220
Si SUBSTRATE
210

FIG. 2A

FIG. 2B

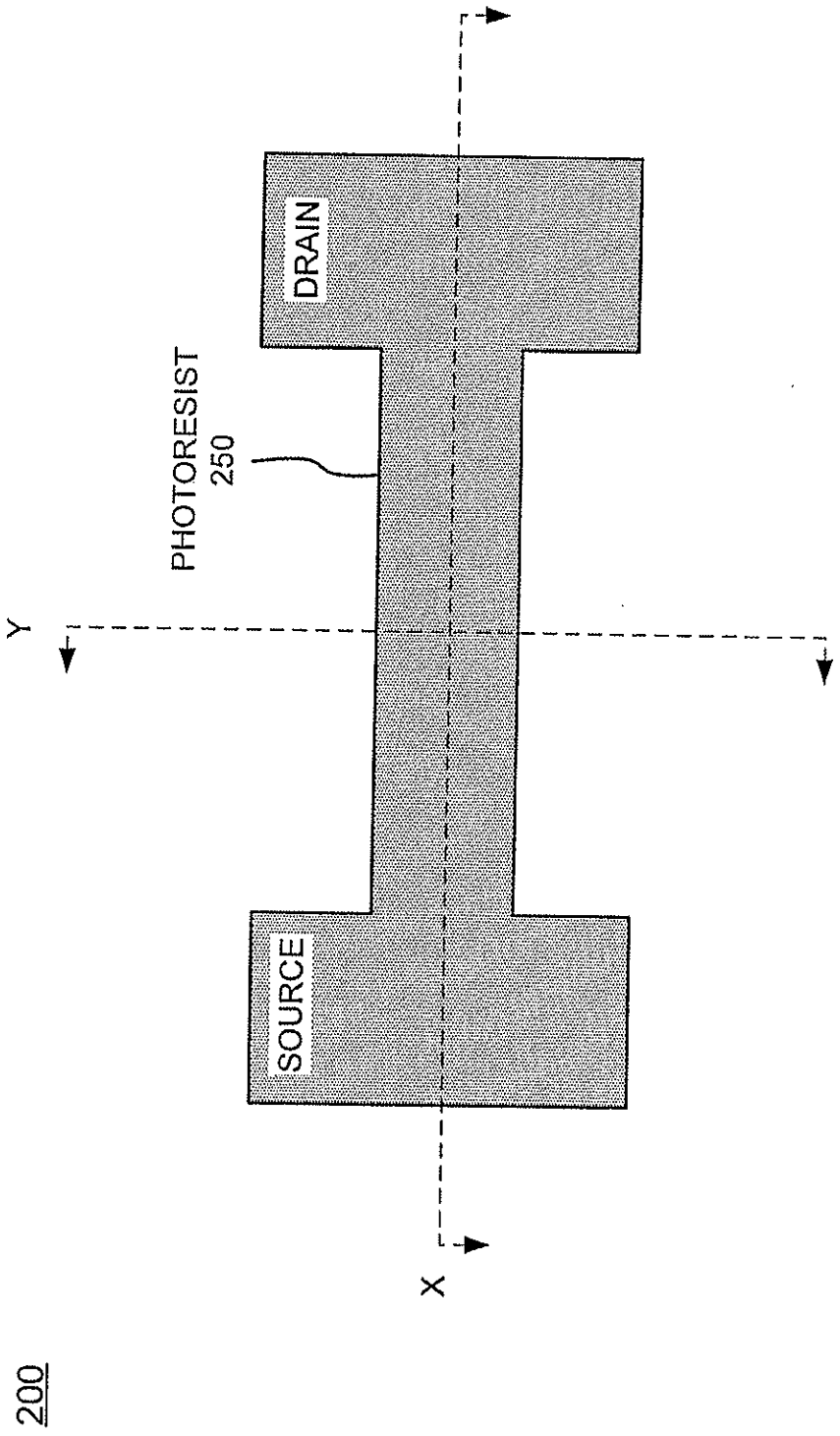


FIG. 2C

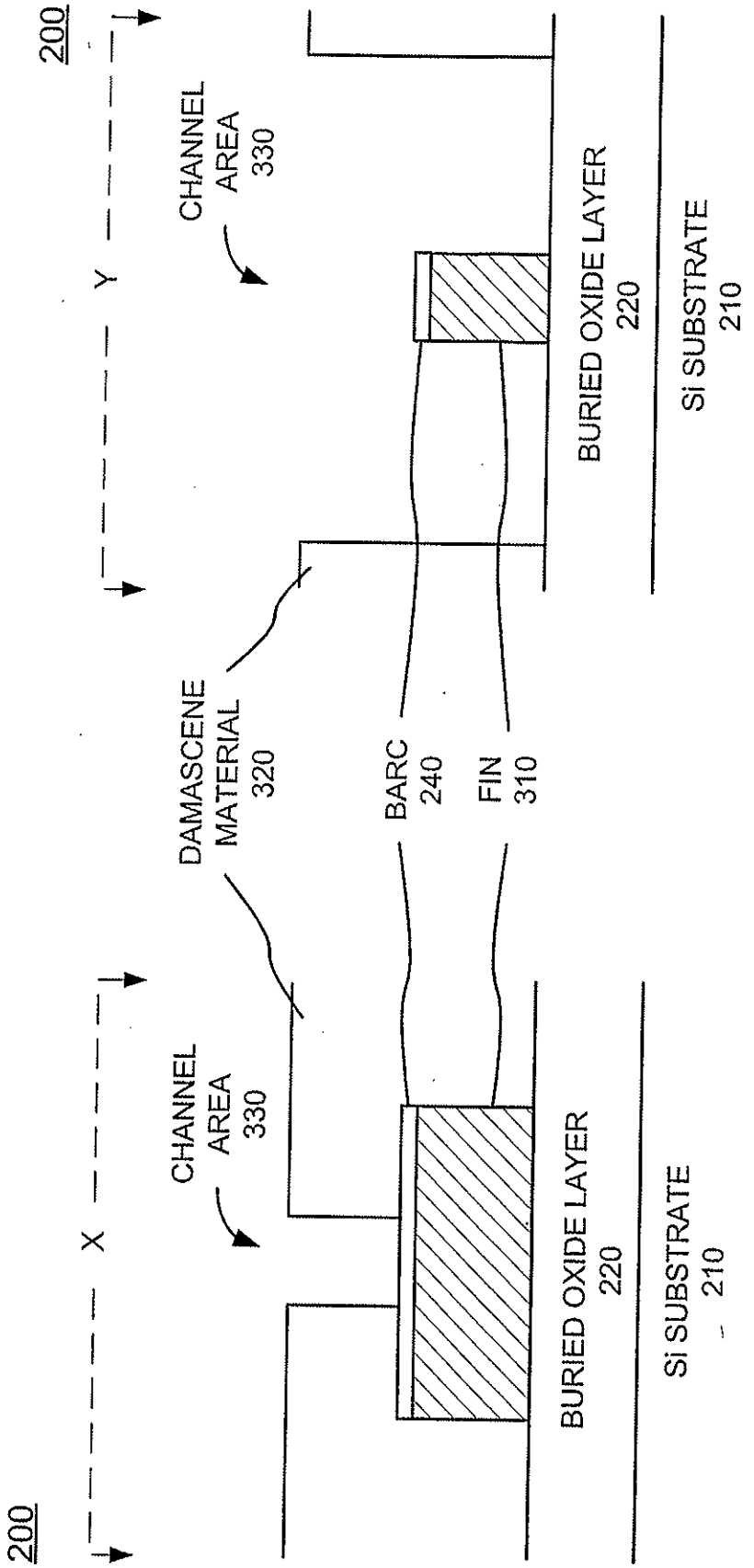

200
Y
CHANNEL AREA 330
DAMASCENE MATERIAL 320
BARC 240
FIN 310
BURIED OXIDE LAYER 220
Si SUBSTRATE 210
200
X
CHANNEL AREA 330
BURIED OXIDE LAYER 220
Si SUBSTRATE 210

FIG. 3B

FIG. 3A

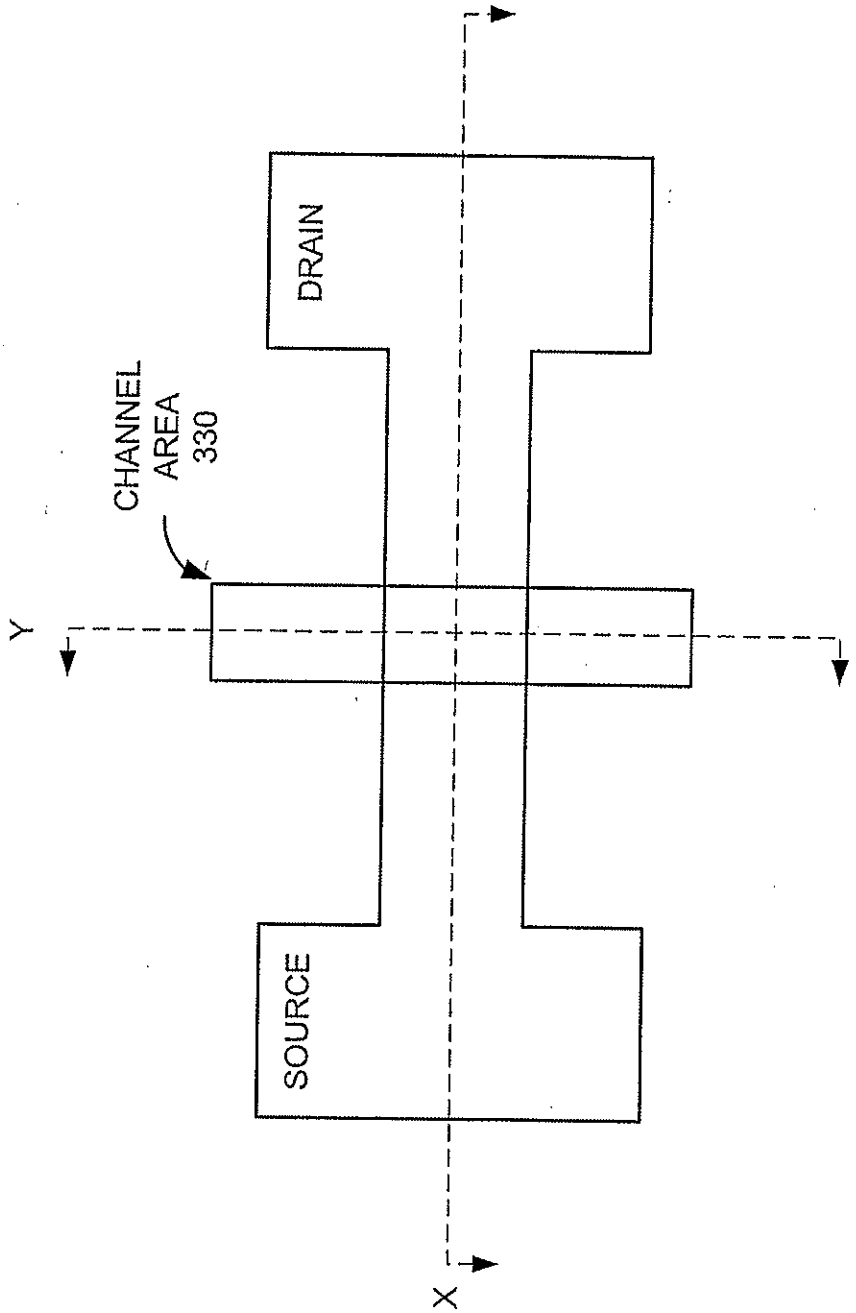


FIG. 3C

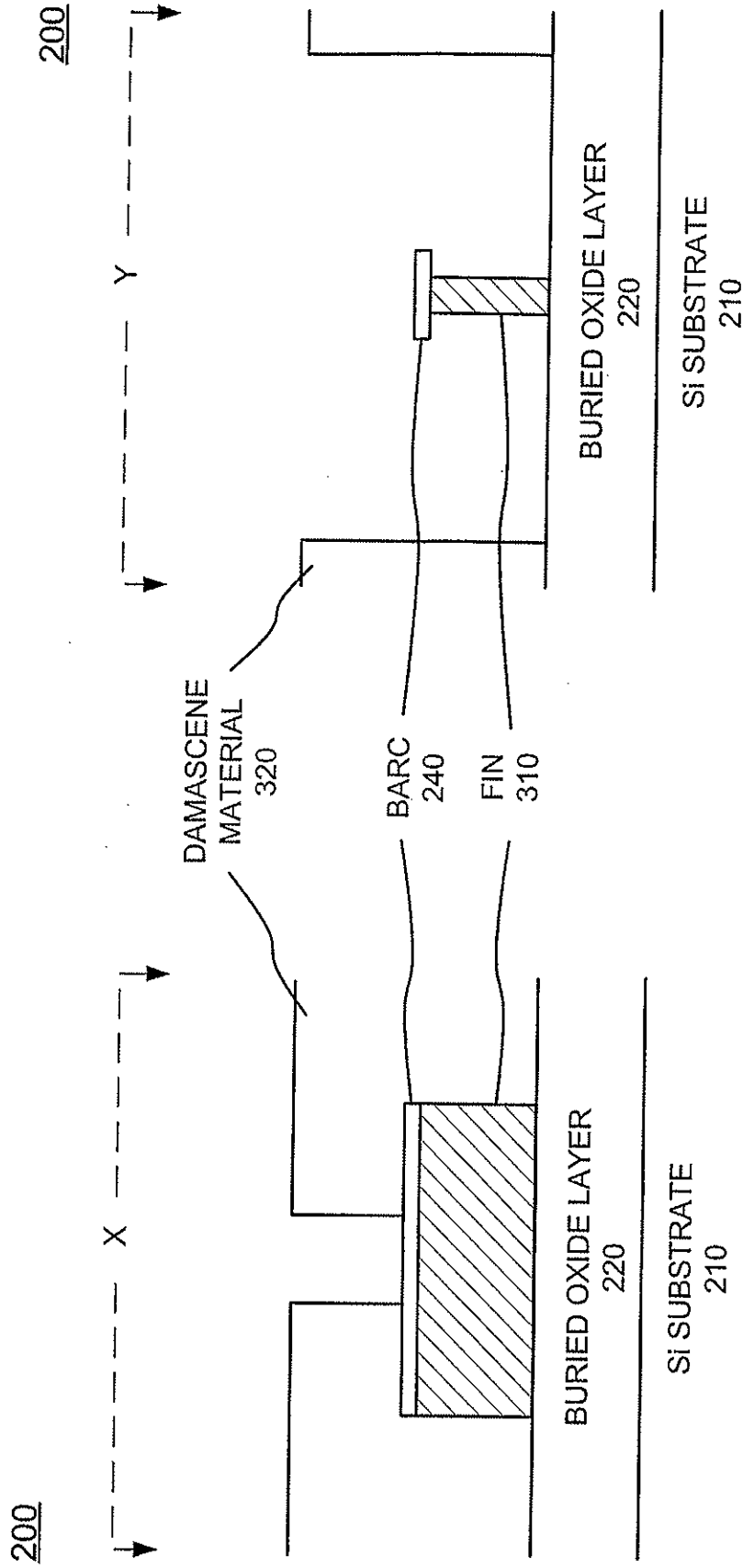

200
Y
X
200
DAMASCENE MATERIAL 320
BARC 240
FIN 310
BURIED OXIDE LAYER 220
Si SUBSTRATE 210
BURIED OXIDE LAYER 220
Si SUBSTRATE 210

FIG. 4A

FIG. 4B

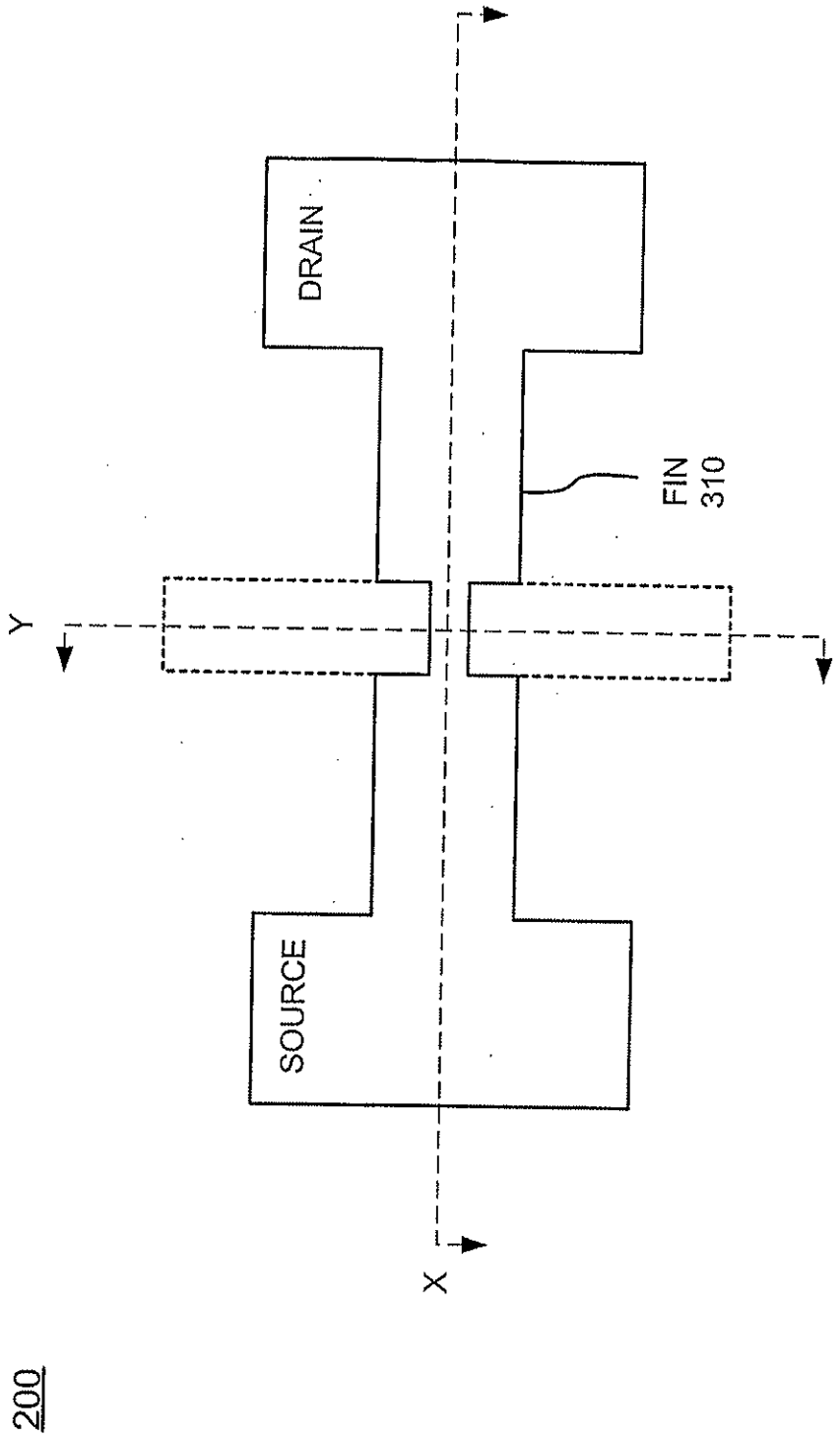


FIG. 4C

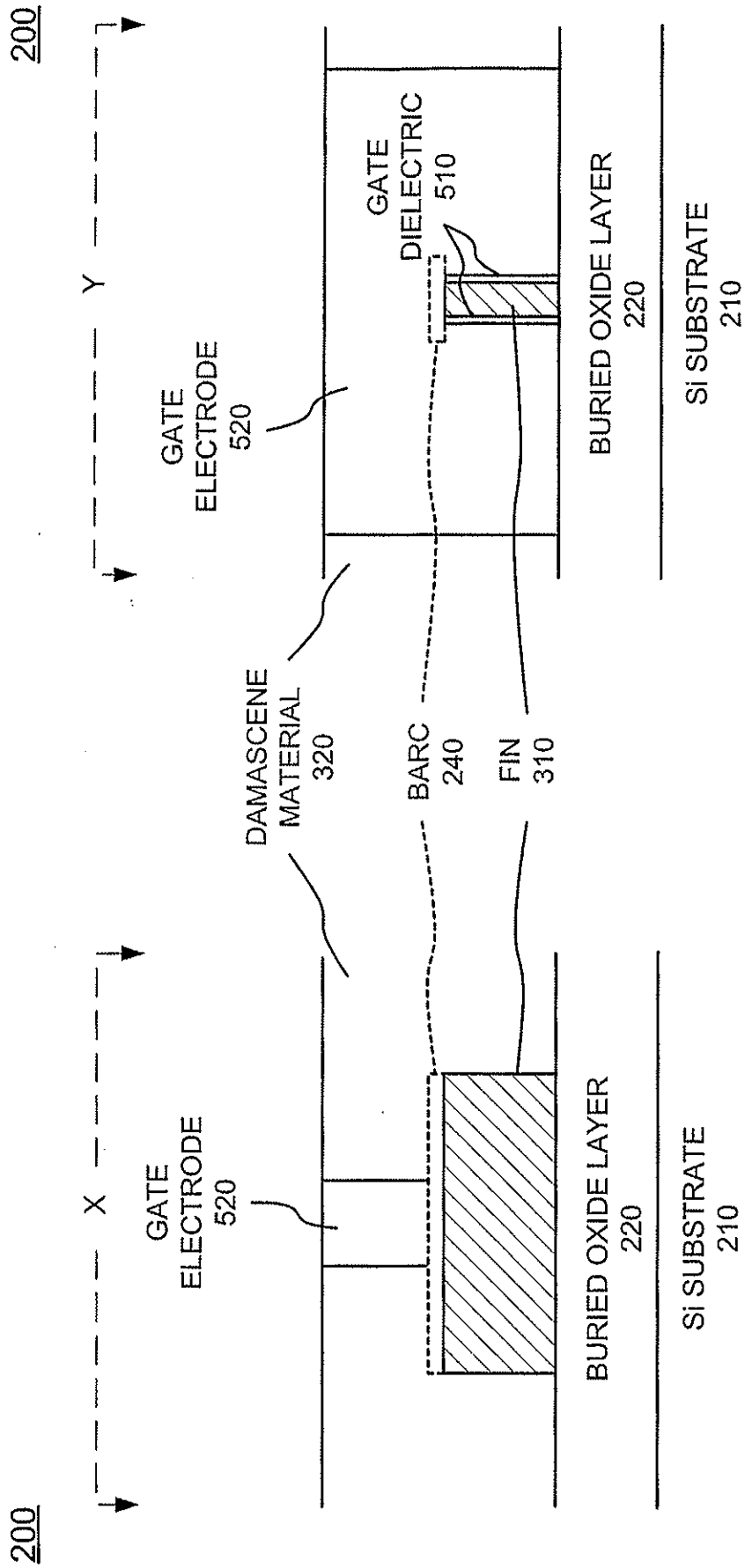

200
X
Y
GATE ELECTRODE 520
DAMASCENE MATERIAL 320
BARC 240
FIN 310
GATE DIELECTRIC 510
BURIED OXIDE LAYER 220
Si SUBSTRATE 210
200
GATE ELECTRODE 520
BURIED OXIDE LAYER 220
Si SUBSTRATE 210

FIG. 5A

FIG. 5B

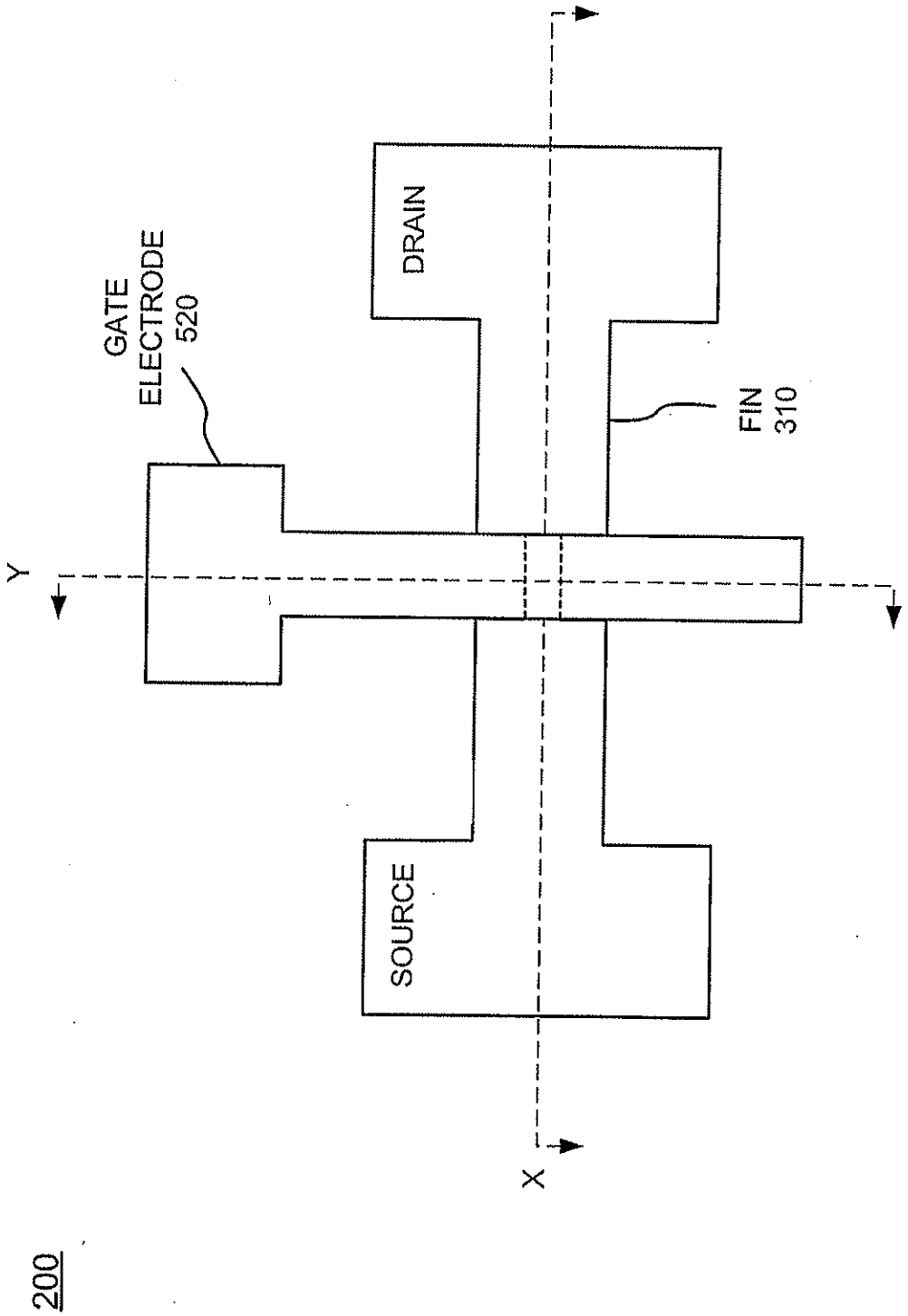


FIG. 5C

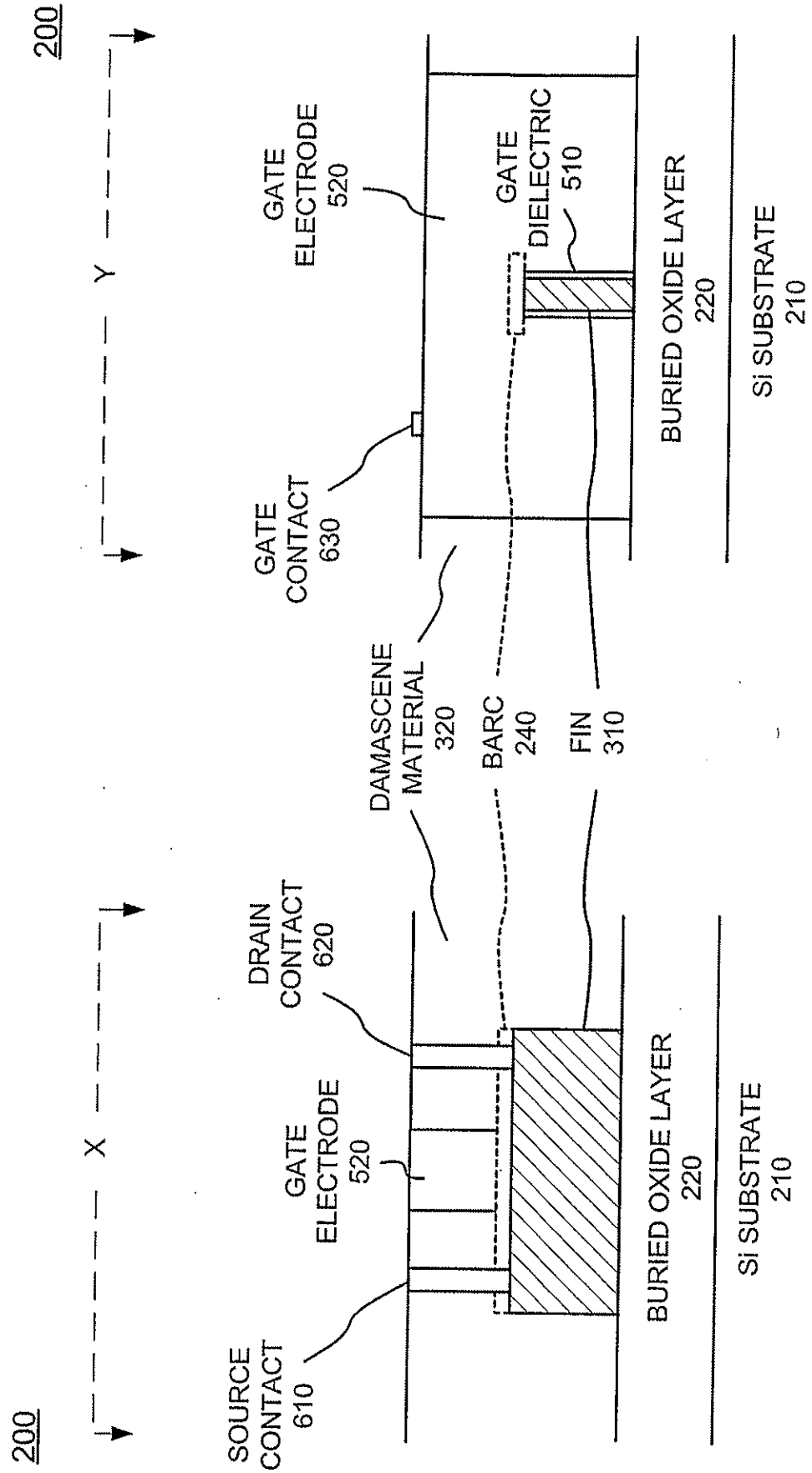

200
X
Y
200
SOURCE CONTACT 610
DRAIN CONTACT 620
GATE ELECTRODE 520
DAMASCENE MATERIAL 320
BARC 240
FIN 310
GATE CONTACT 630
GATE ELECTRODE 520
GATE DIELECTRIC 510
BURIED OXIDE LAYER 220
Si SUBSTRATE 210
BURIED OXIDE LAYER 220
Si SUBSTRATE 210

FIG. 6A

FIG. 6B

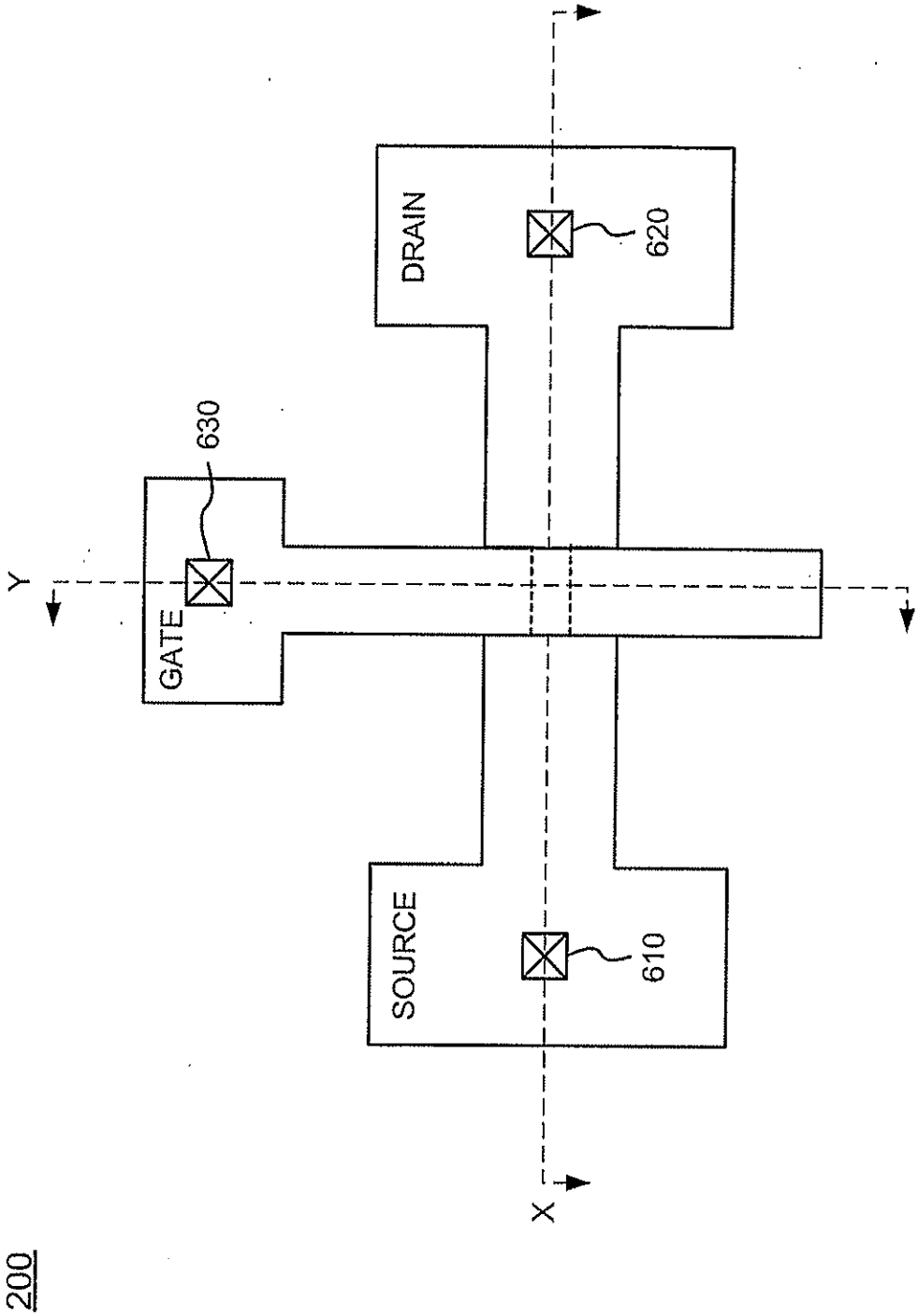


FIG. 6C

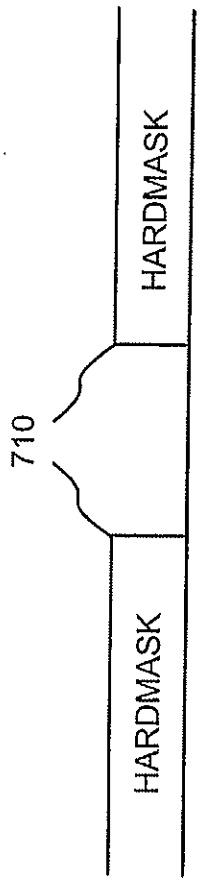

710
HARDMASK
HARDMASK
DAMASCENE
MATERIAL

FIG. 7A

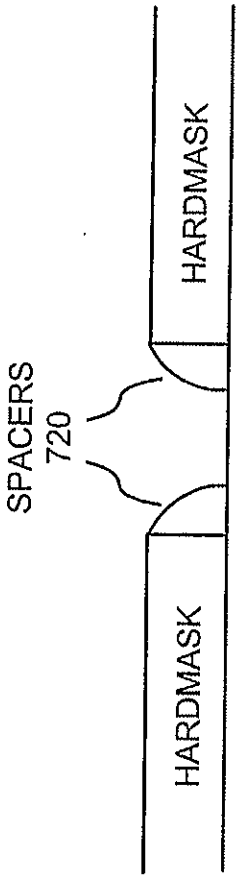

SPACERS
720
HARDMASK
HARDMASK
DAMASCENE
MATERIAL

FIG. 7B

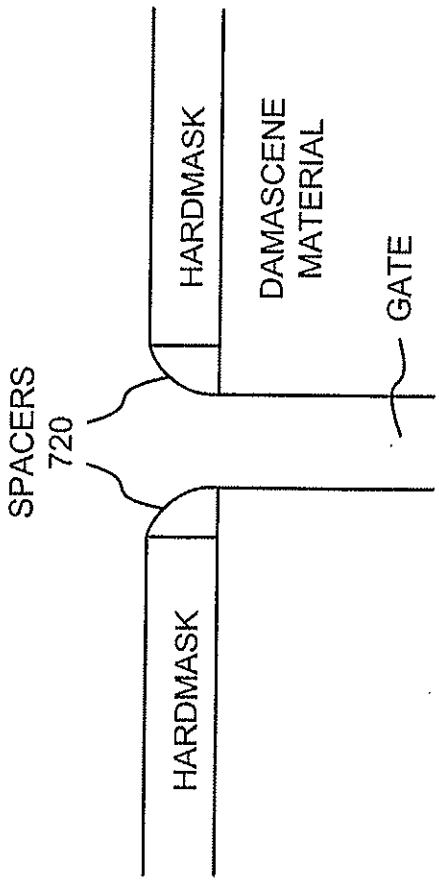


FIG. 7C

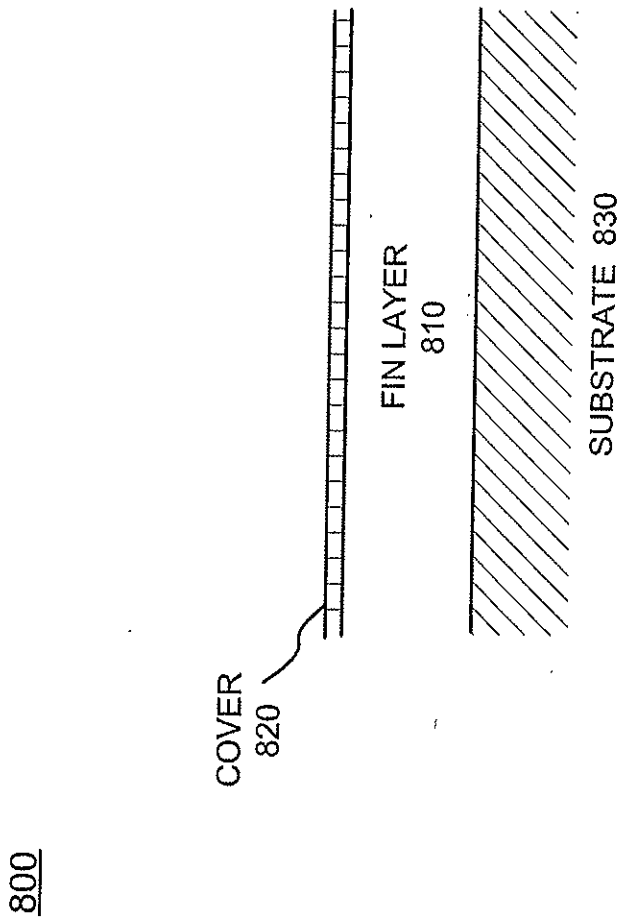


FIG. 8A

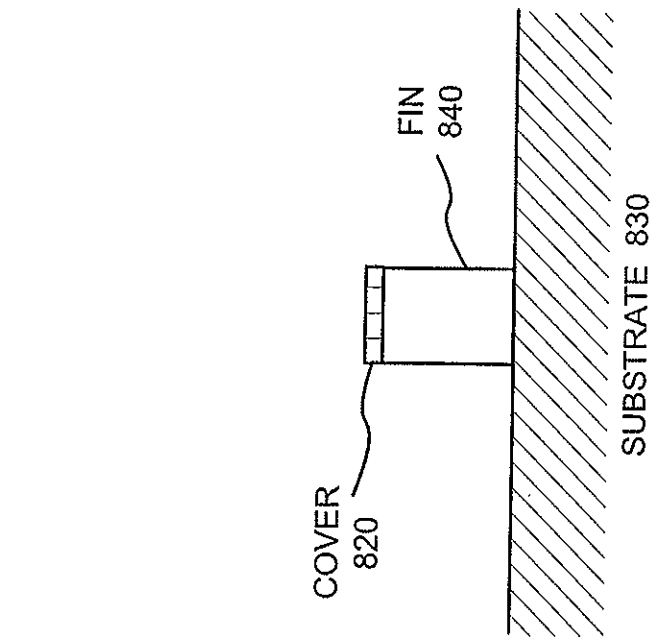


FIG. 8B

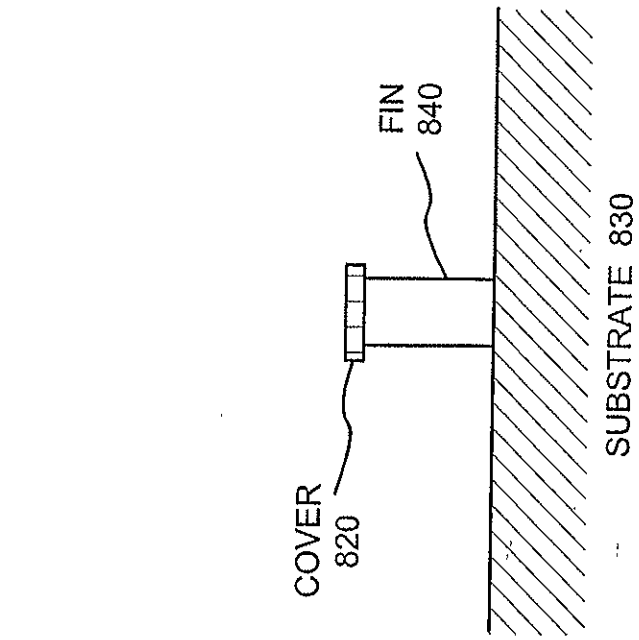


FIG. 8C

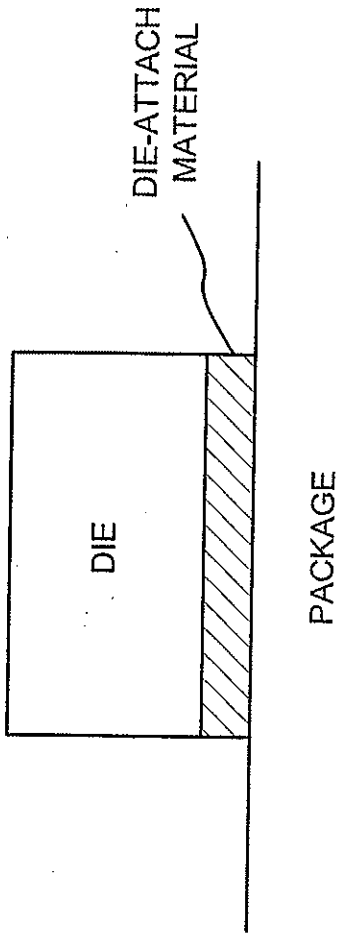


FIG. 9