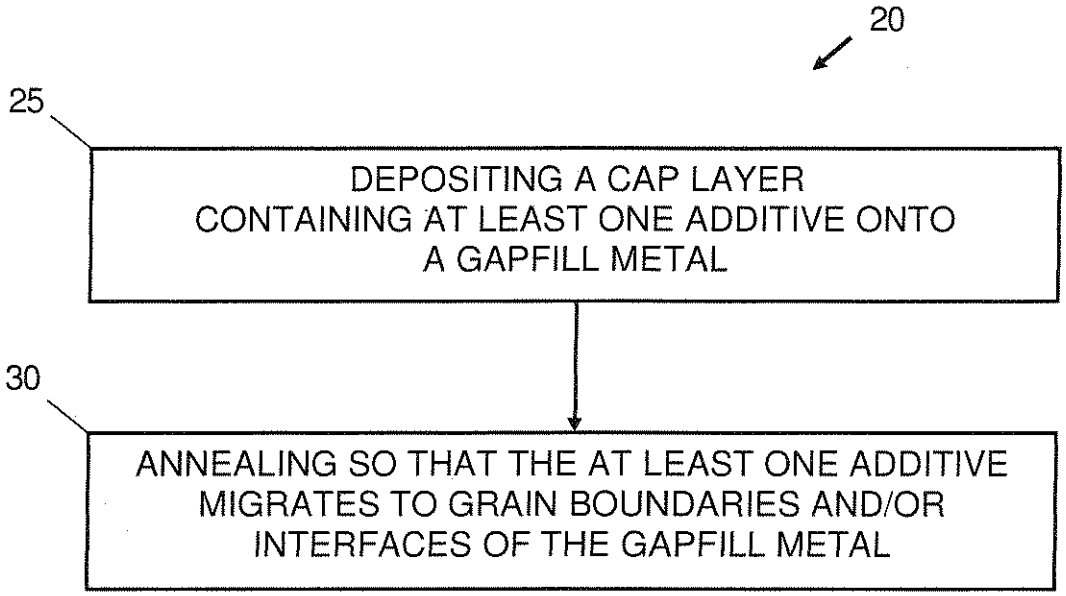
20
25
DEPOSITING A CAP LAYER CONTAINING AT LEAST ONE ADDITIVE ONTO A GAPFILL METAL
30
ANNEALING SO THAT THE AT LEAST ONE ADDITIVE MIGRATES TO GRAIN BOUNDARIES AND/OR INTERFACES OF THE GAPFILL METAL

FIG. 1

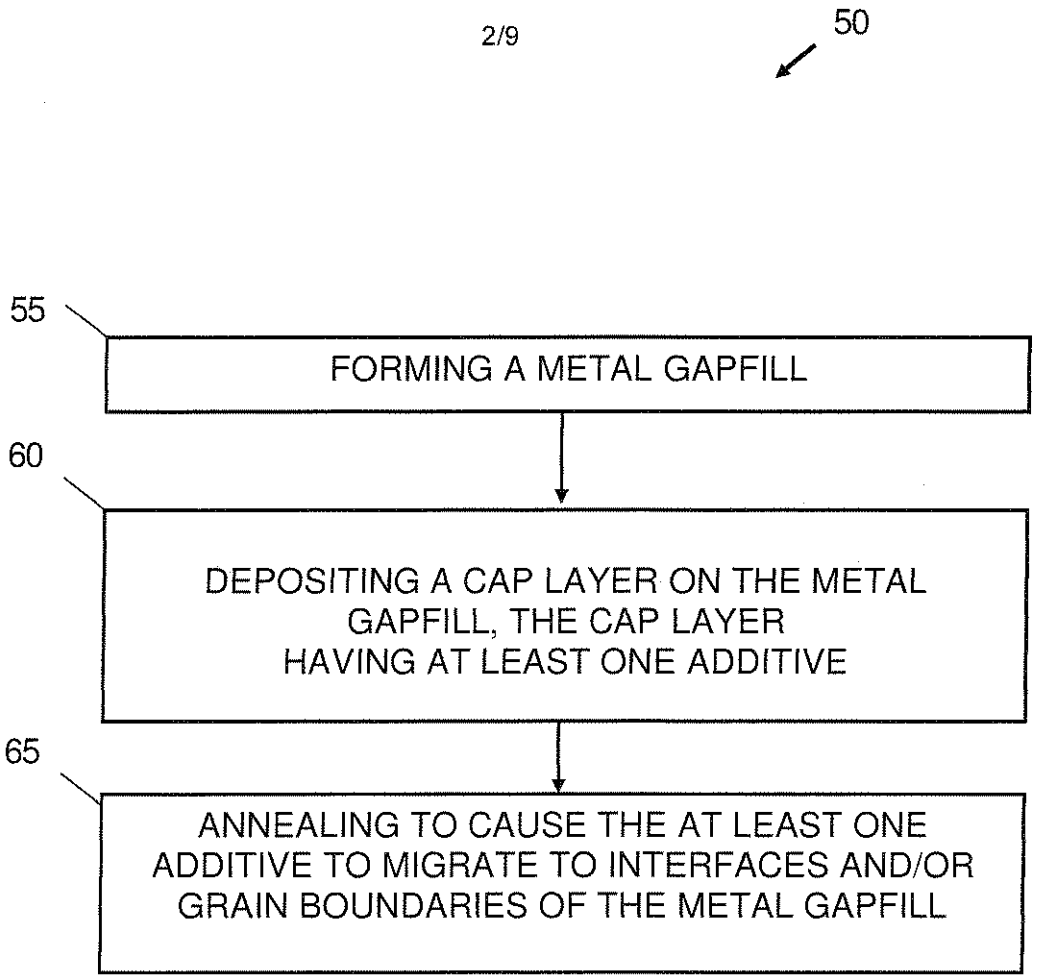
50
55
FORMING A METAL GAPFILL
60
DEPOSITING A CAP LAYER ON THE METAL GAPFILL, THE CAP LAYER HAVING AT LEAST ONE ADDITIVE
65
ANNEALING TO CAUSE THE AT LEAST ONE ADDITIVE TO MIGRATE TO INTERFACES AND/OR GRAIN BOUNDARIES OF THE METAL GAPFILL

FIG. 2

101

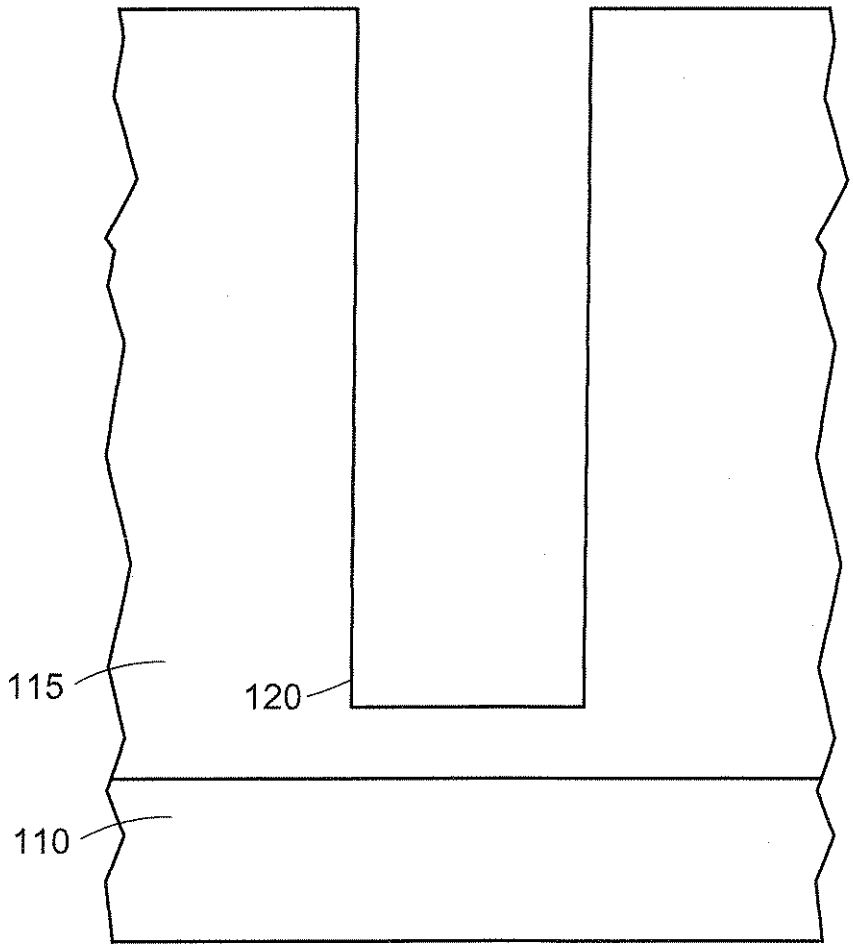


FIG. 3-1

102

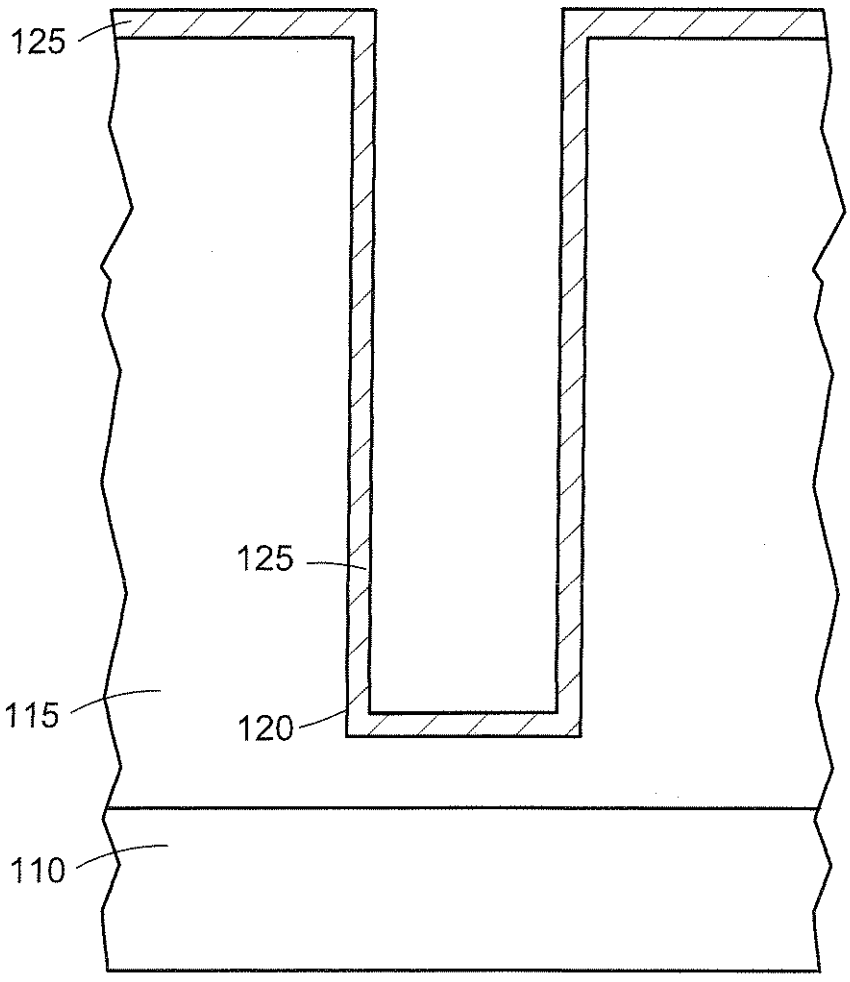


FIG. 3-2

103

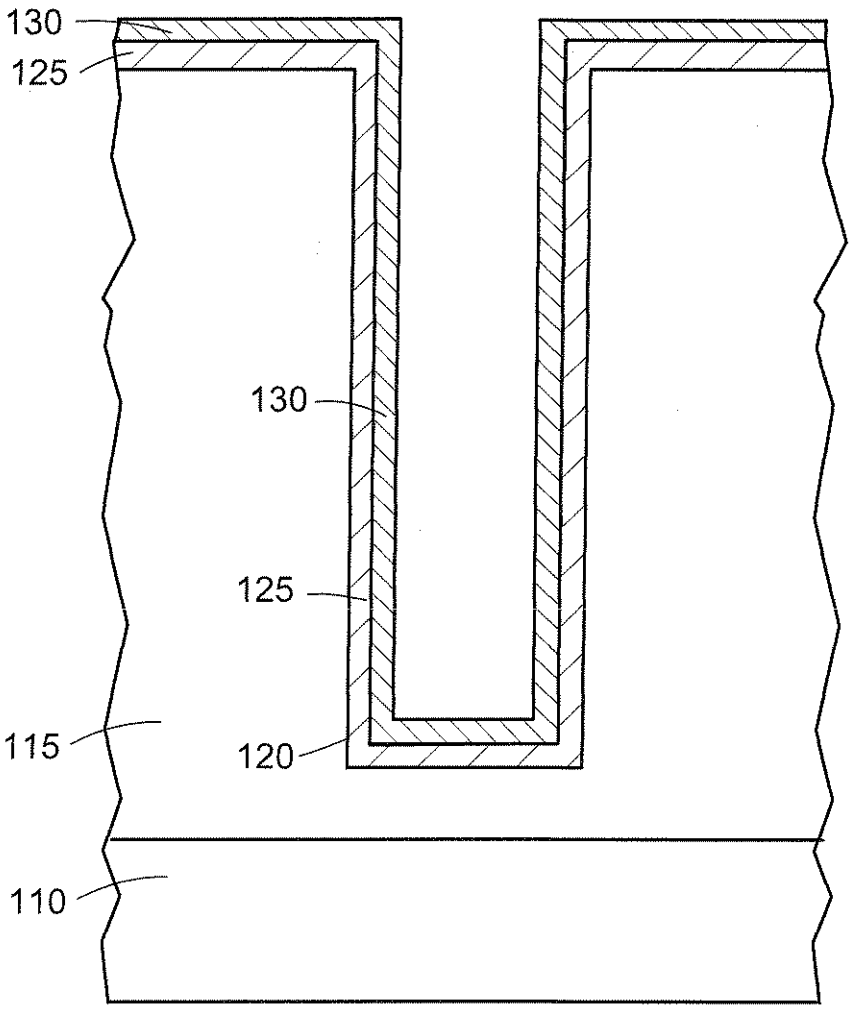


FIG. 3-3

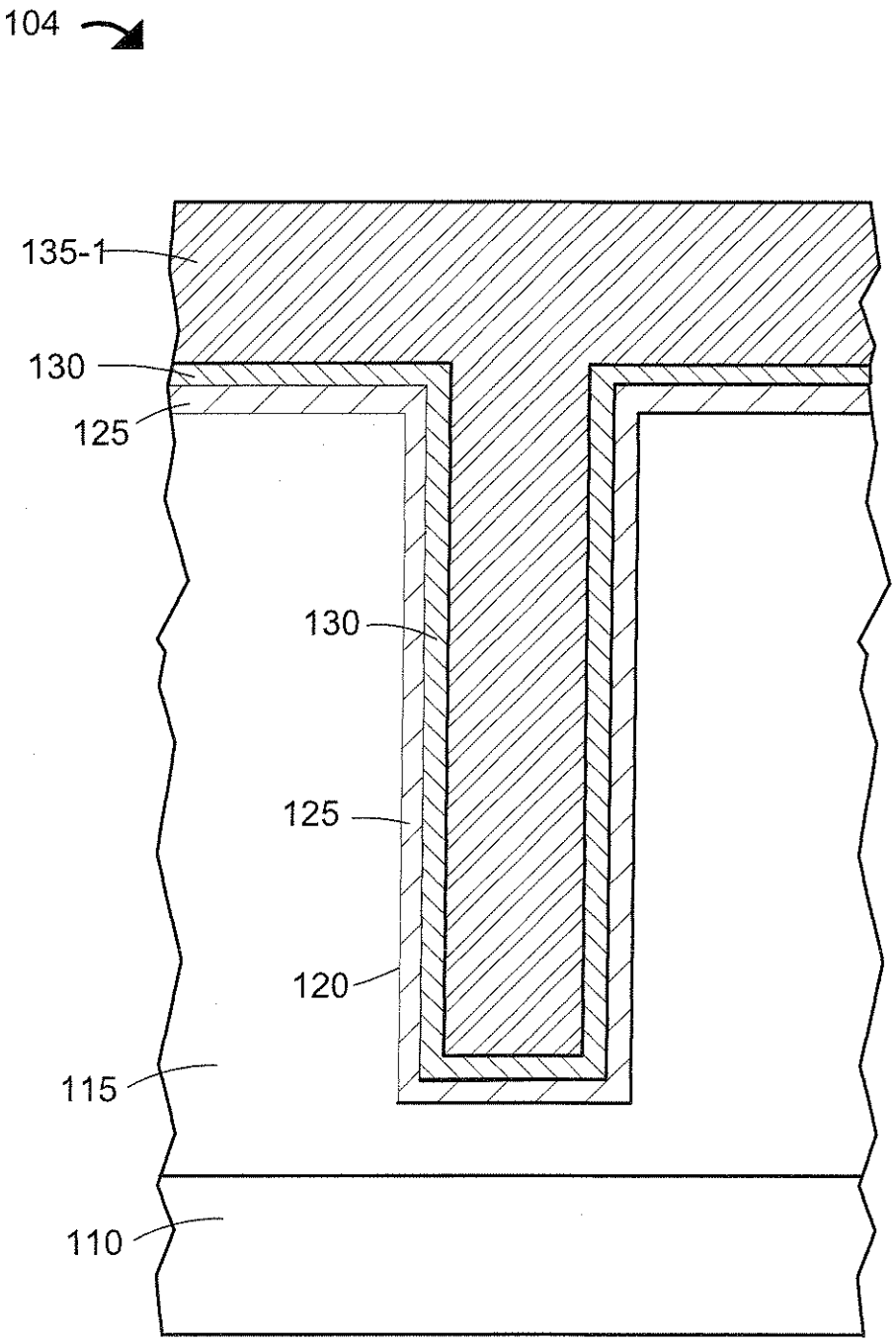


FIG. 3-4

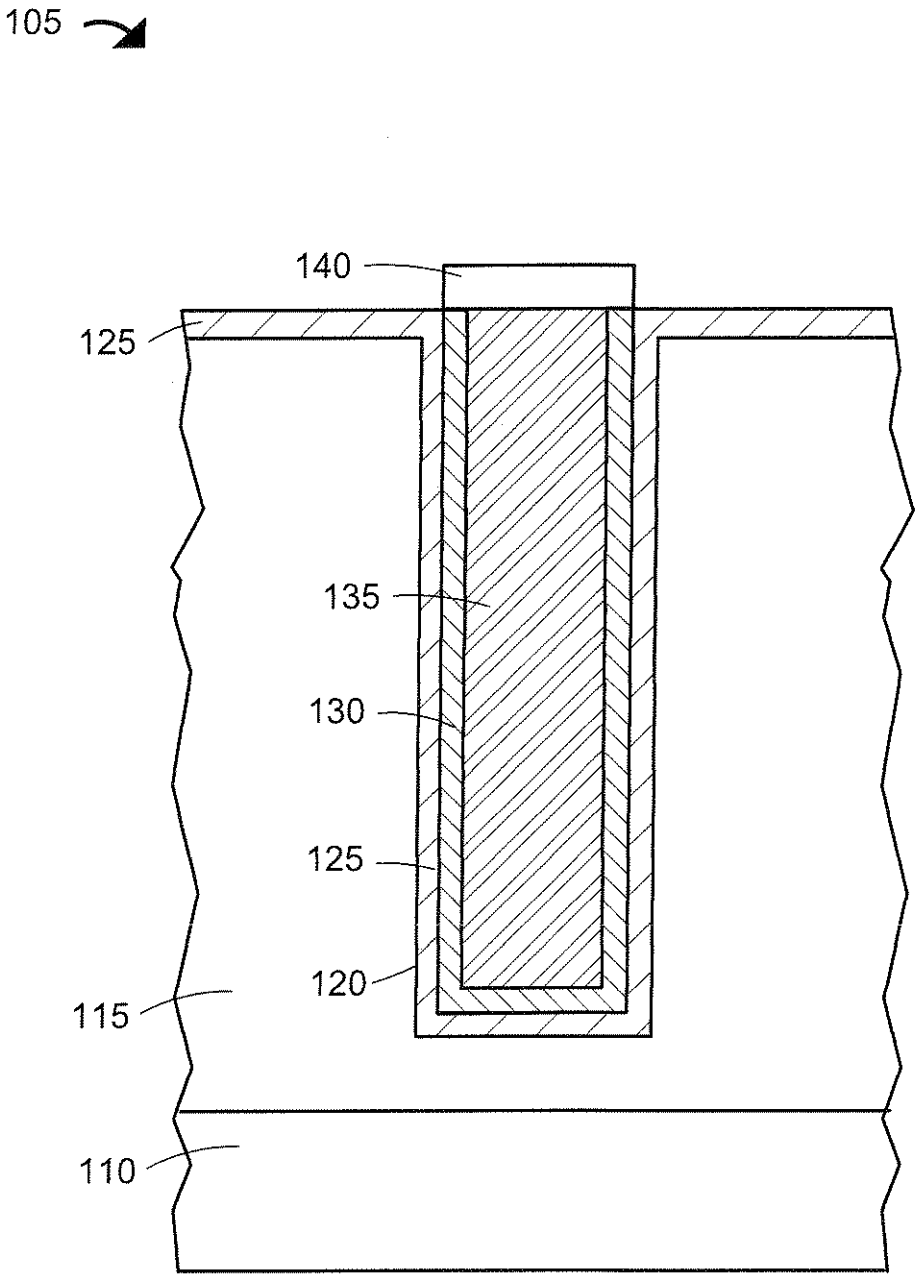


FIG. 3-5

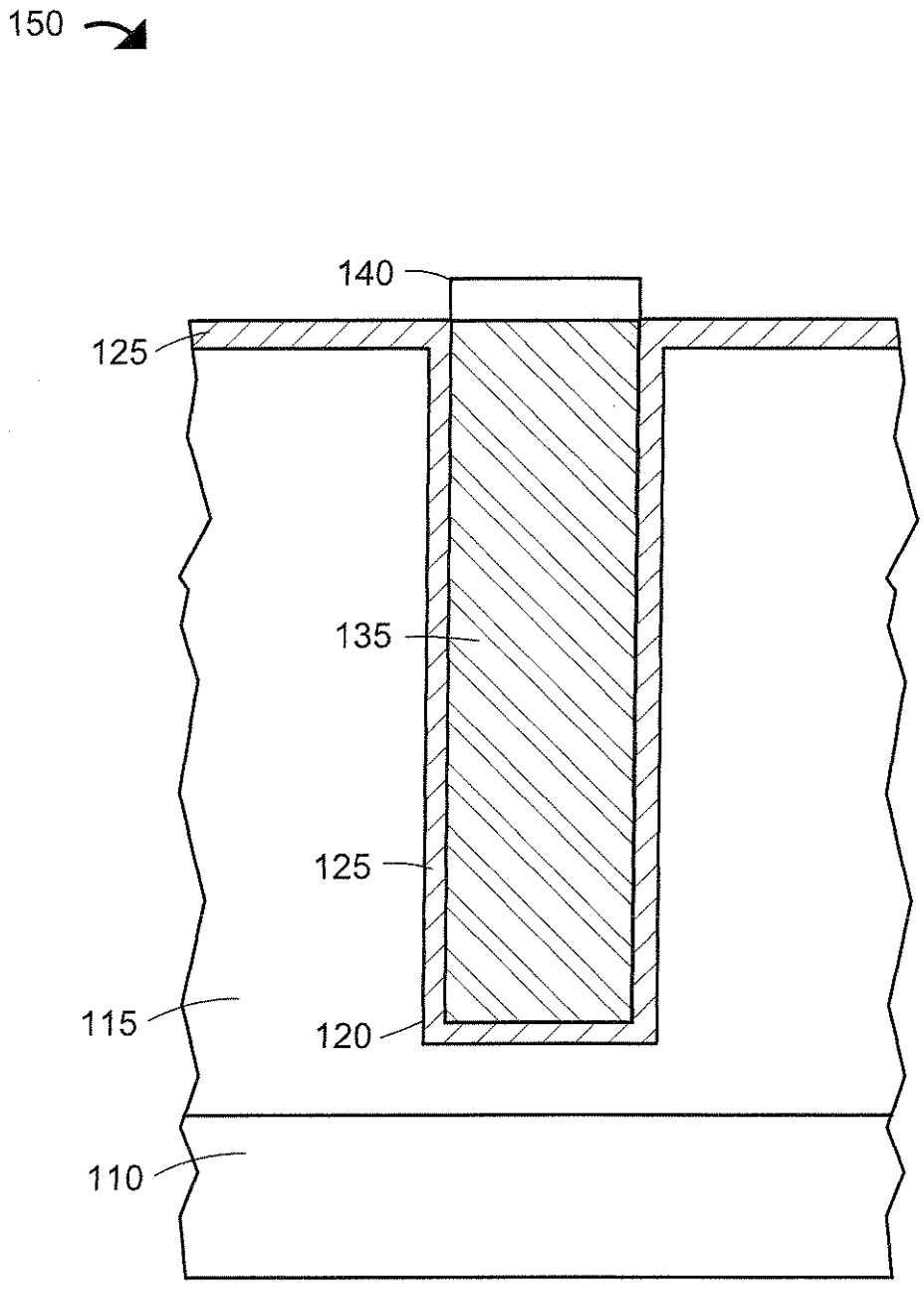


FIG. 4

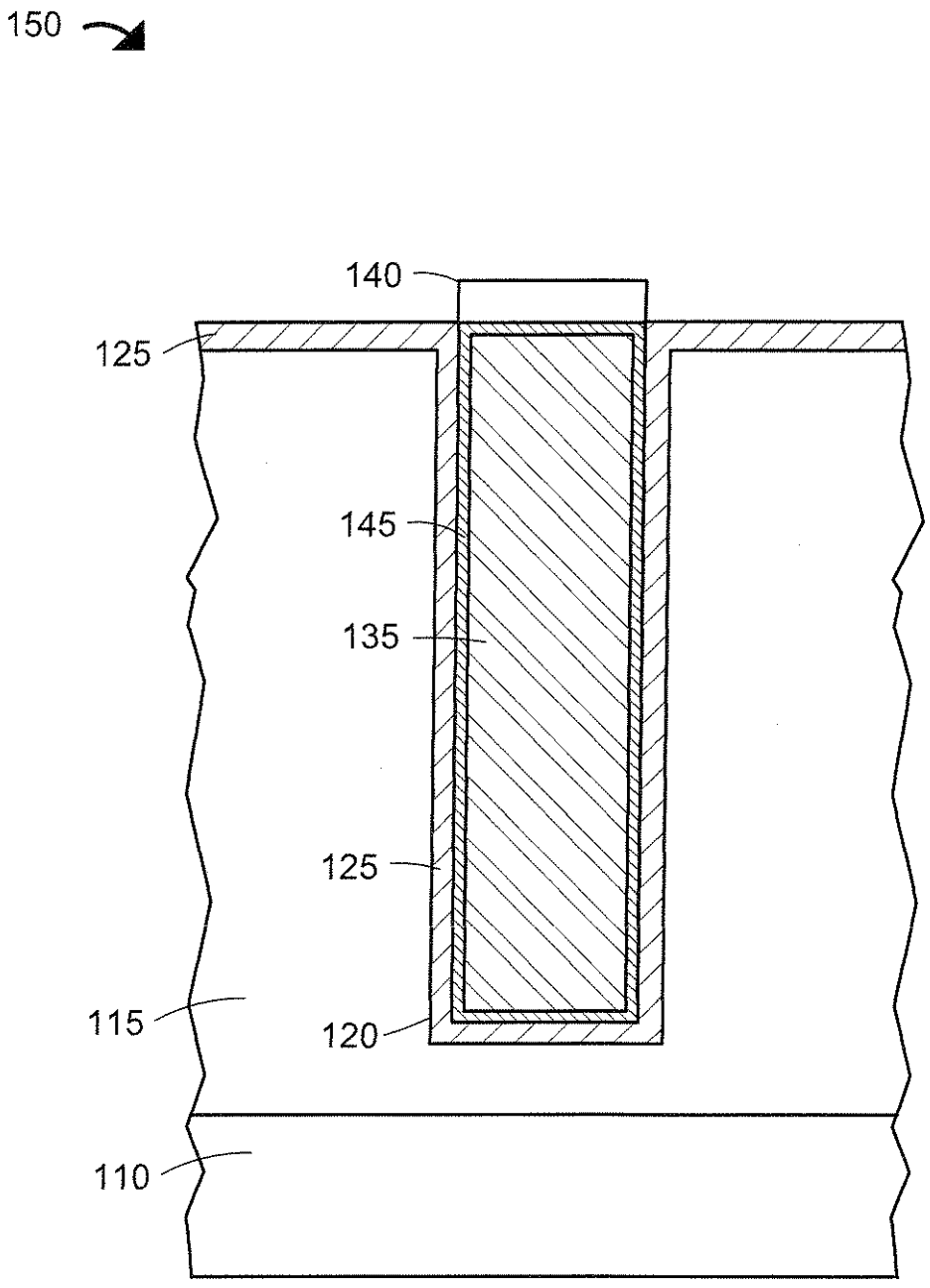


FIG. 5