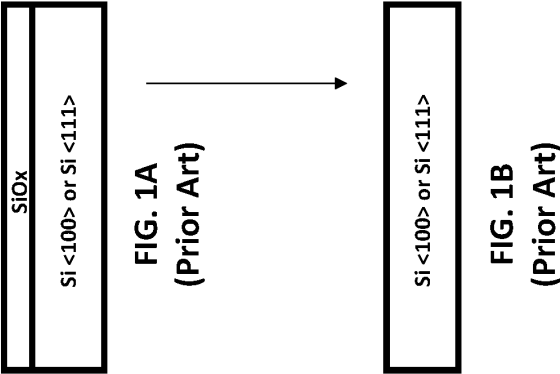




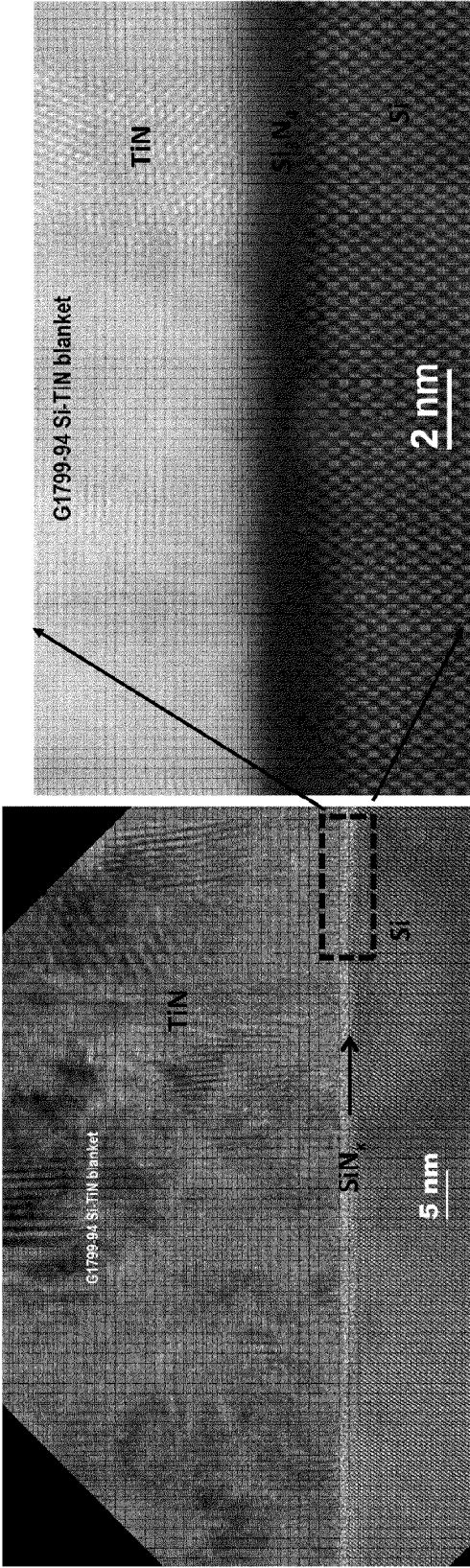


FIG. 1E
(Prior Art)

FIG. 1D
(Prior Art)

TiN
Si <100> or Si <111>

FIG. 2B

Ti
Si <100> or Si <111>

FIG. 2A

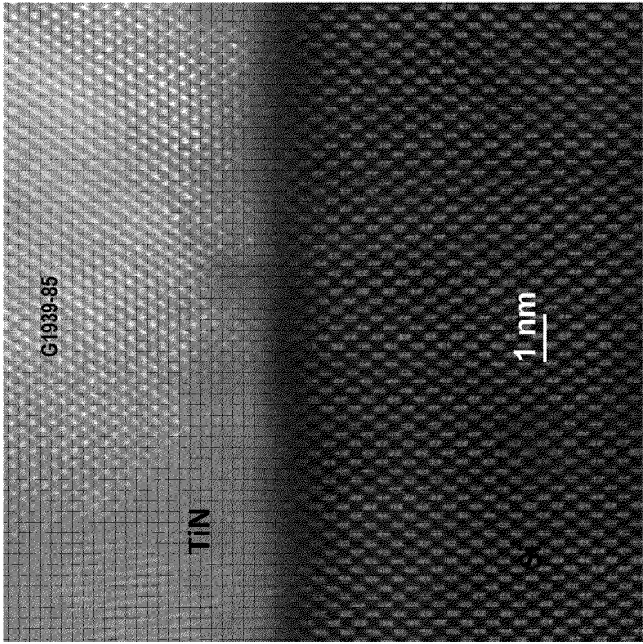


FIG. 2D

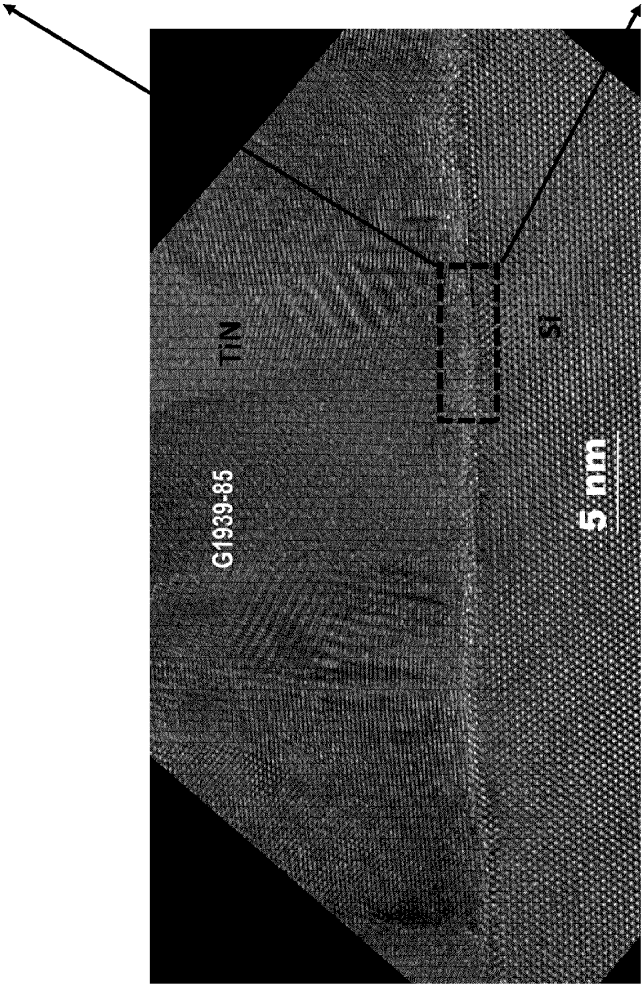


FIG. 2C

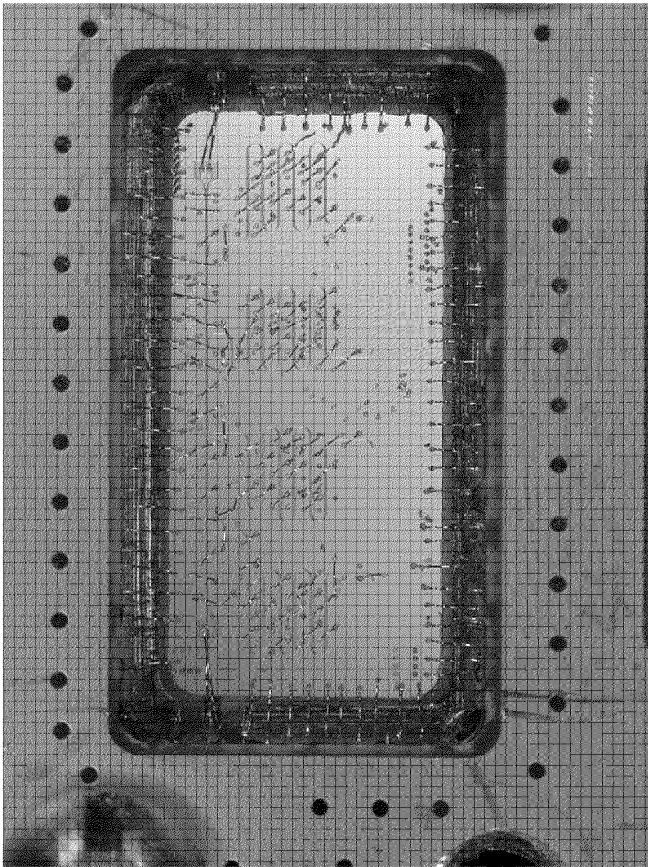


FIG. 3B

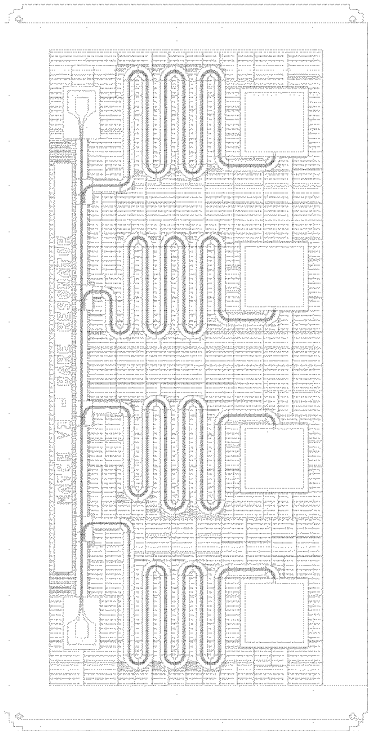


FIG. 3A

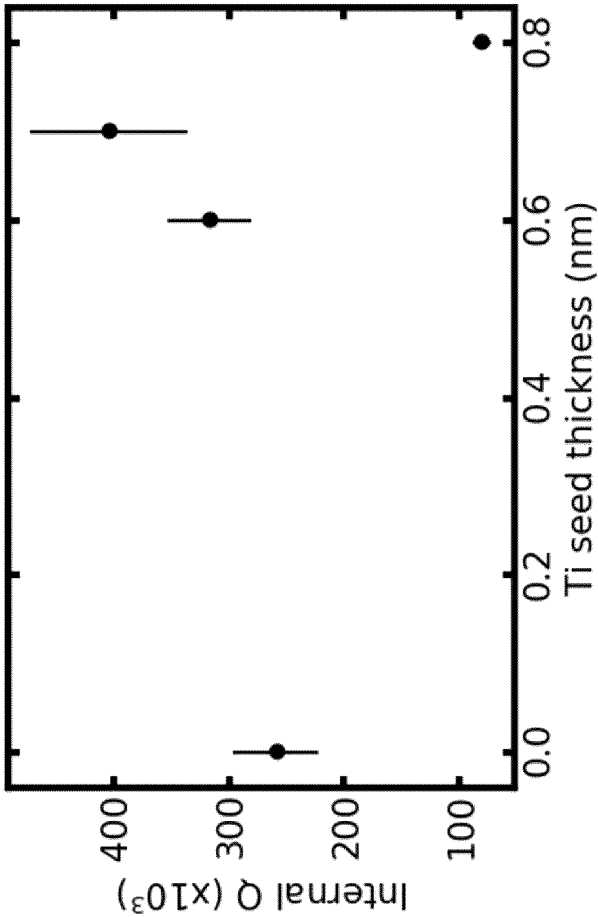


FIG. 4