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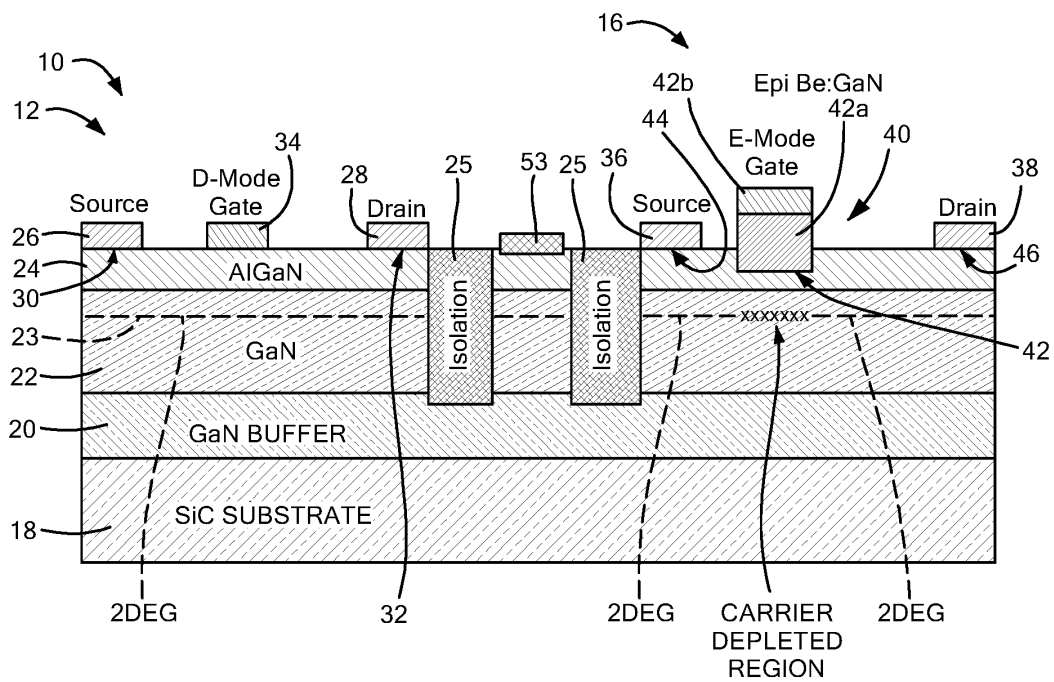


FIG. 1

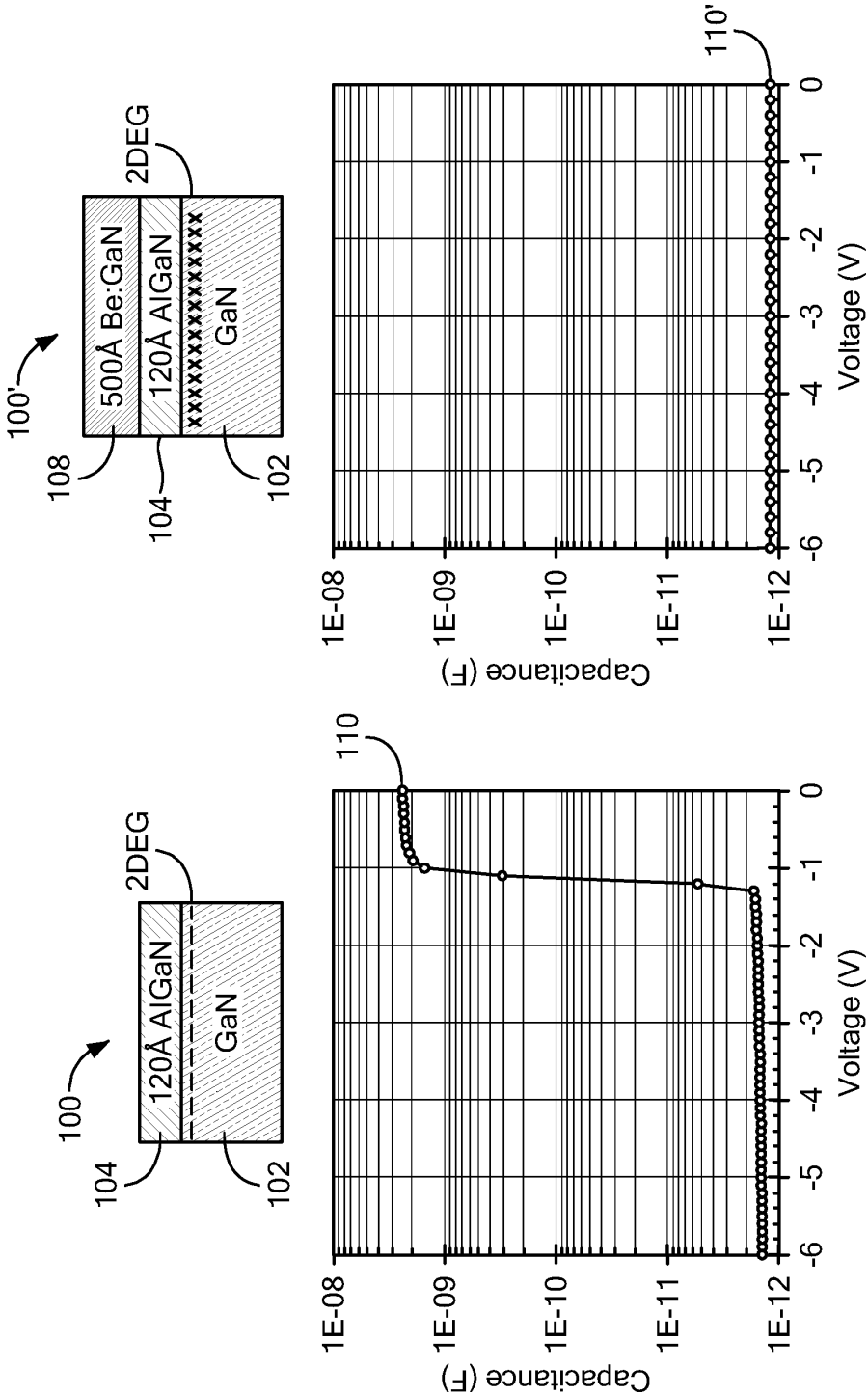


FIG. 2A

FIG. 2B

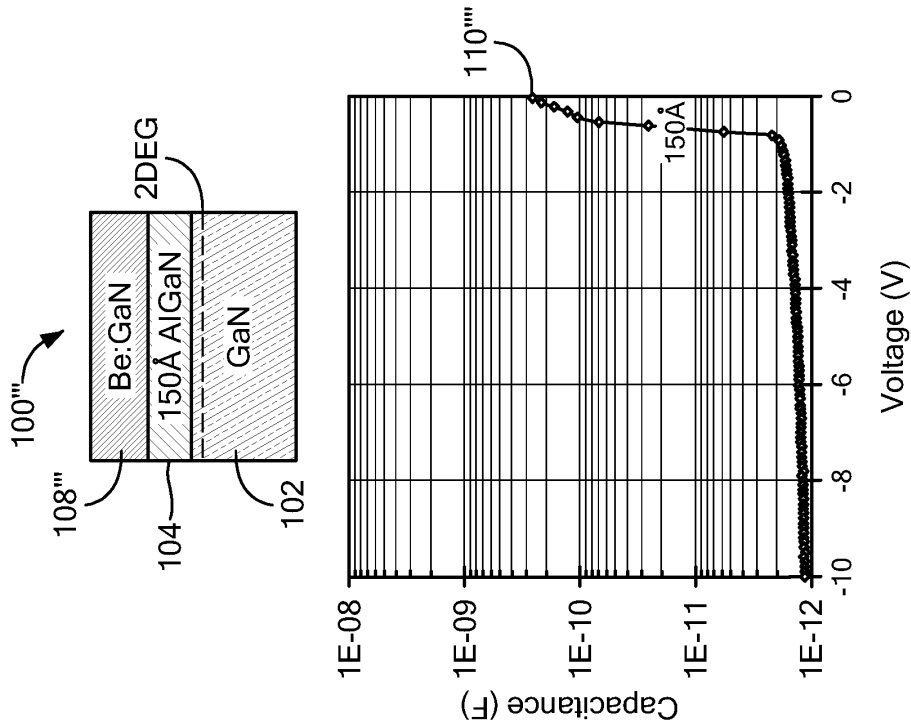


FIG. 2D

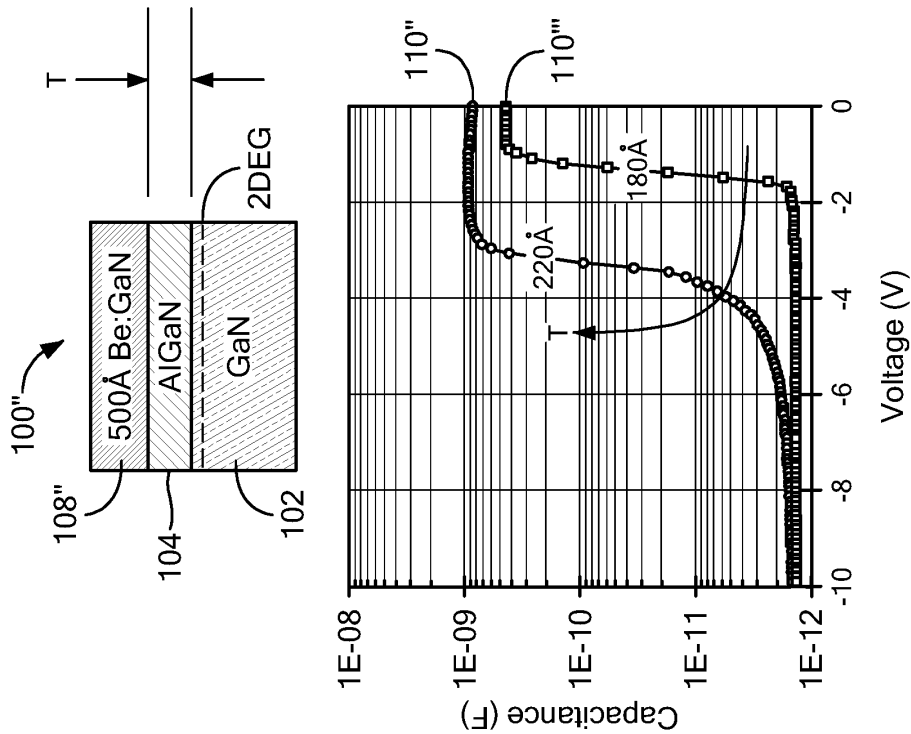


FIG. 2C

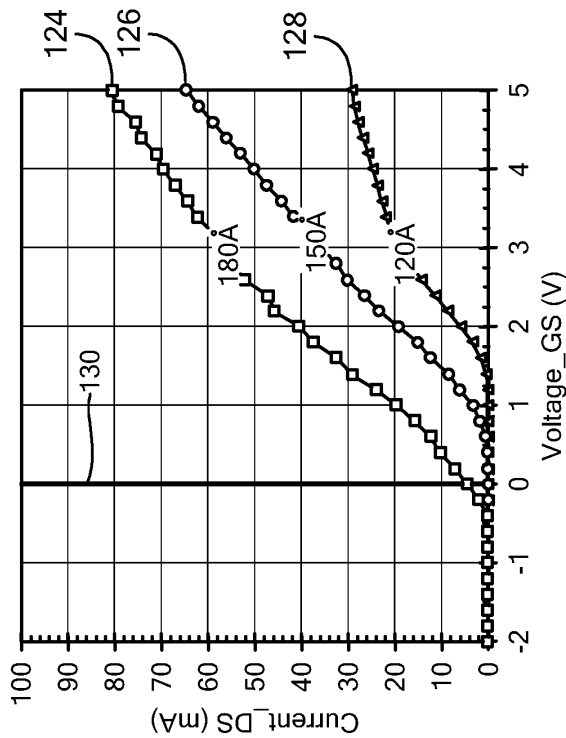


FIG. 2E

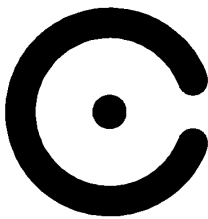
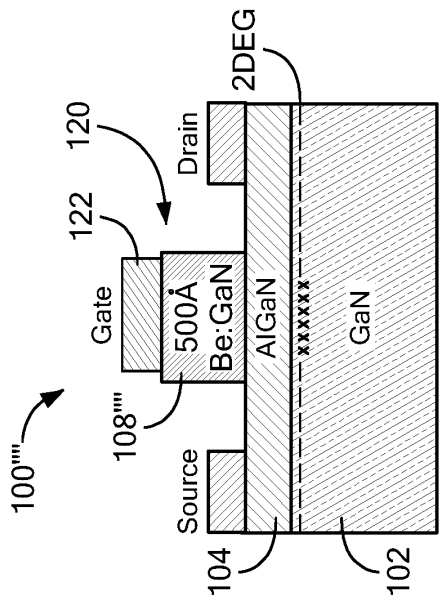


FIG. 2F

Hg Probe
Contact Geometry

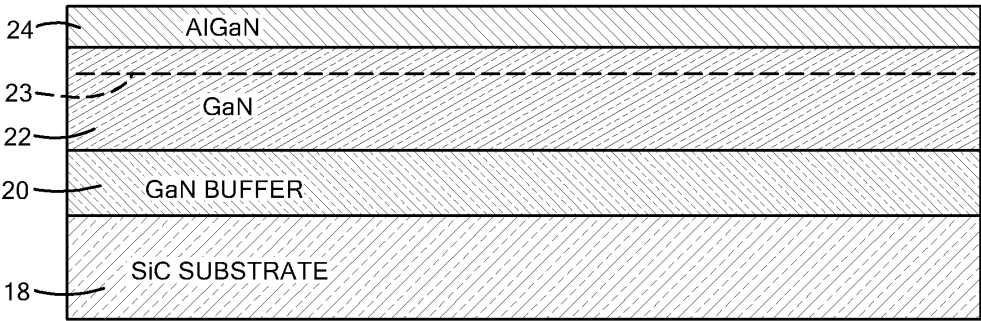


FIG. 3A

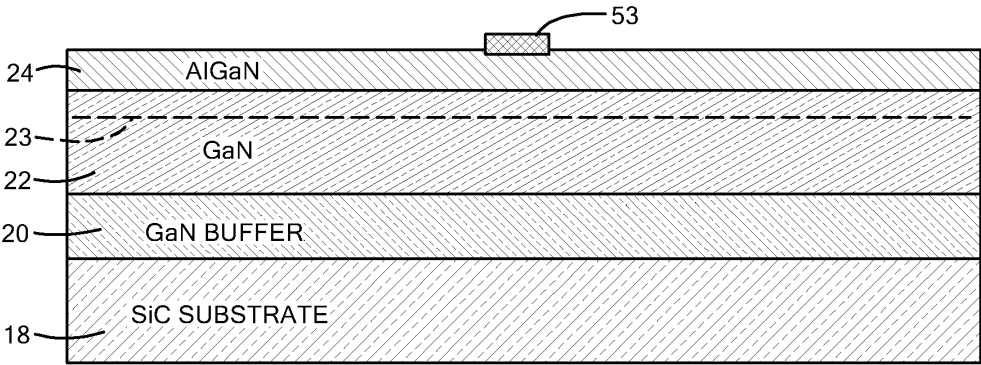


FIG. 3B

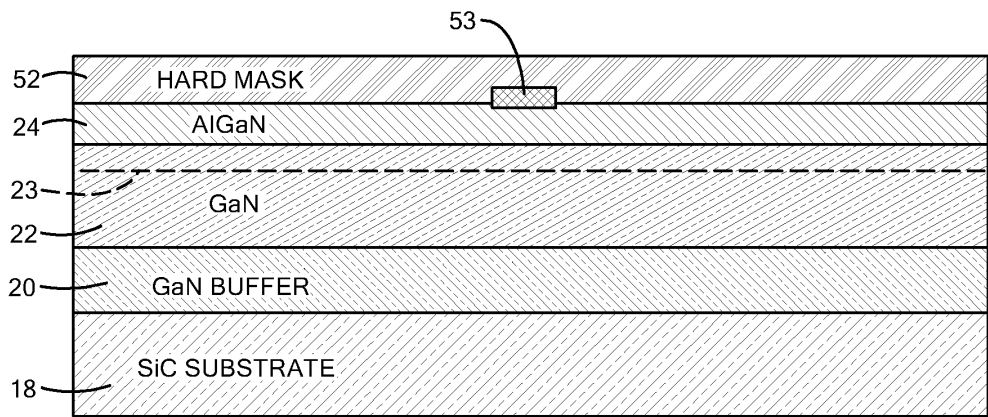


FIG. 3C

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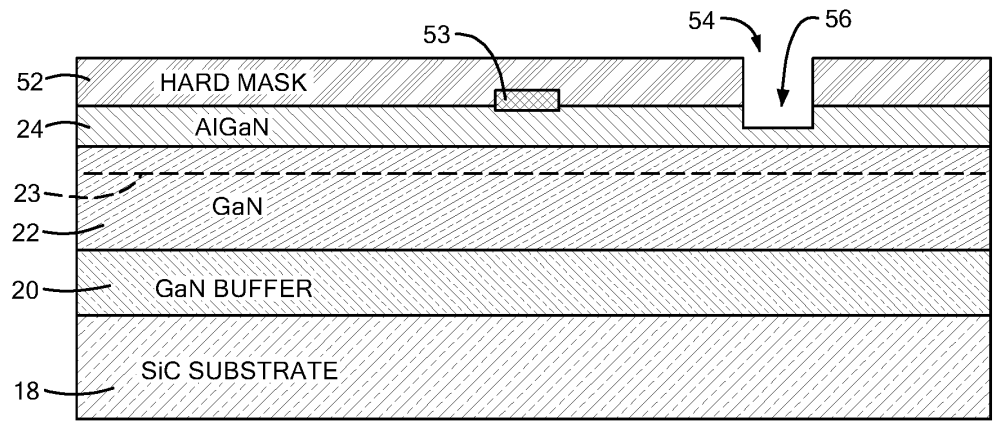


FIG. 3D

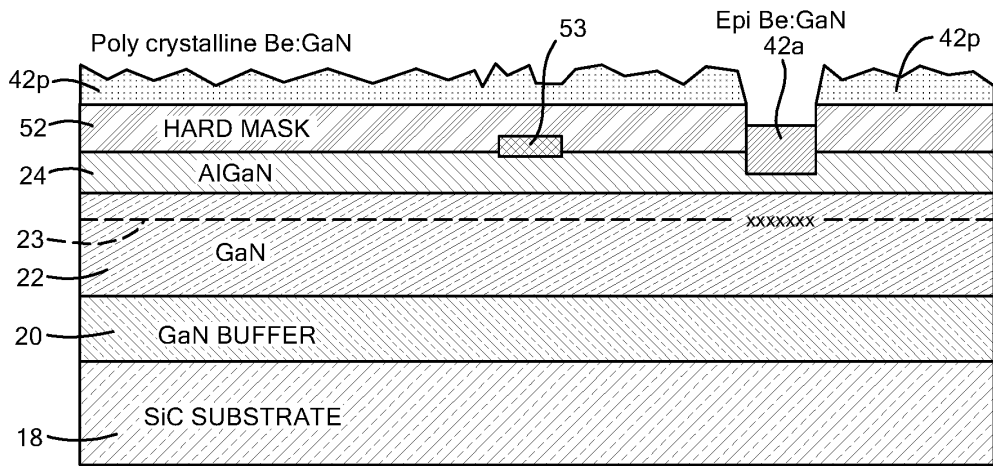


FIG. 3E

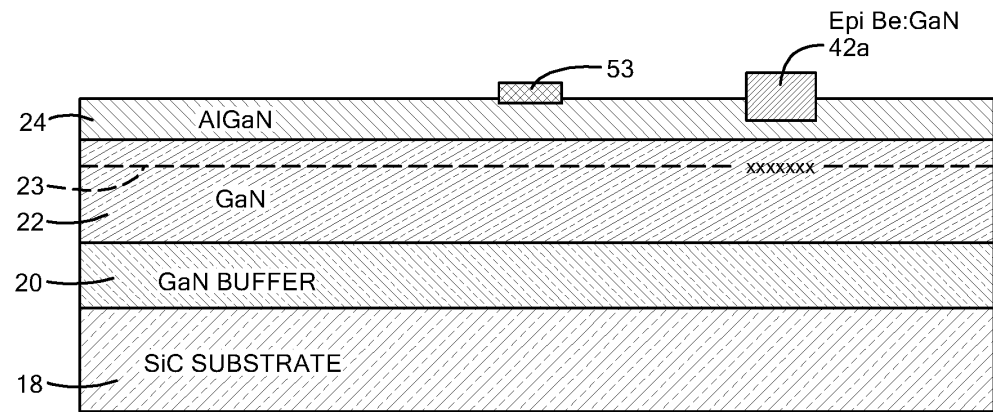


FIG. 3F

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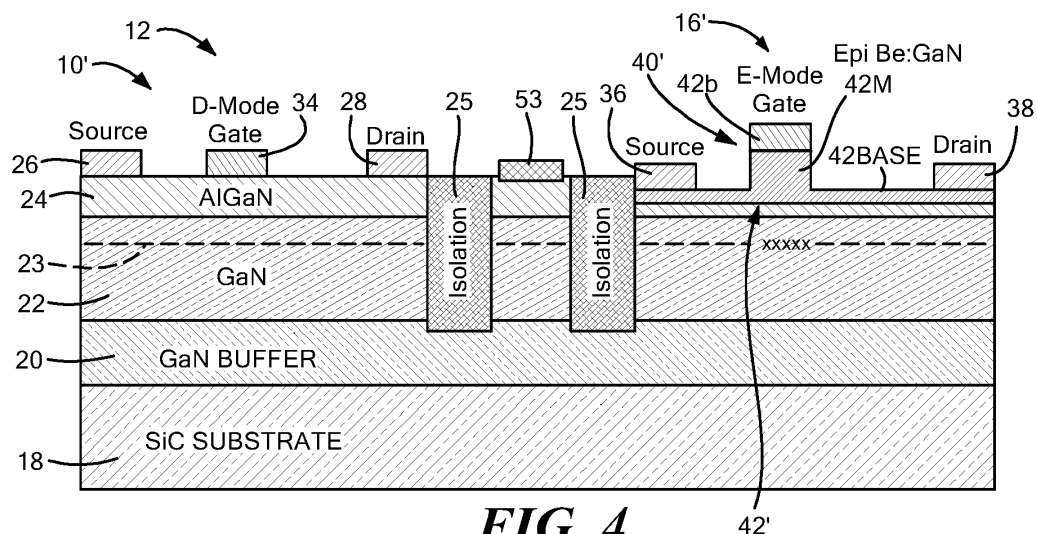


FIG. 4

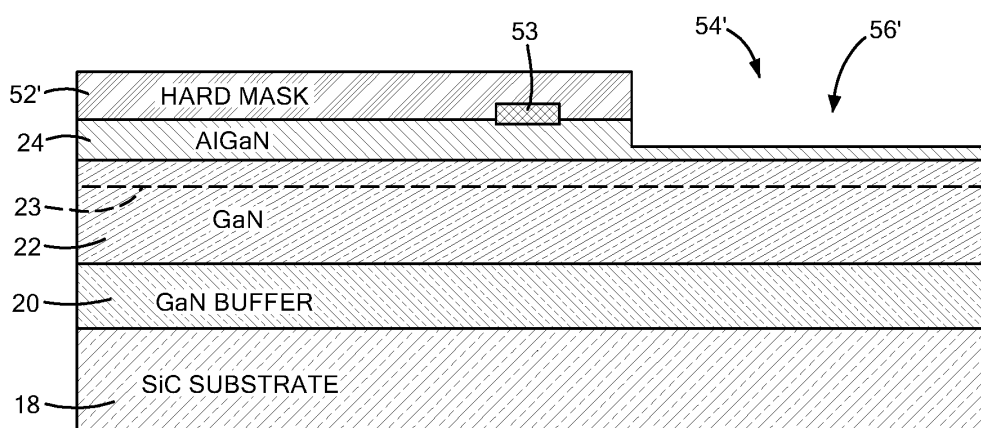


FIG. 4A

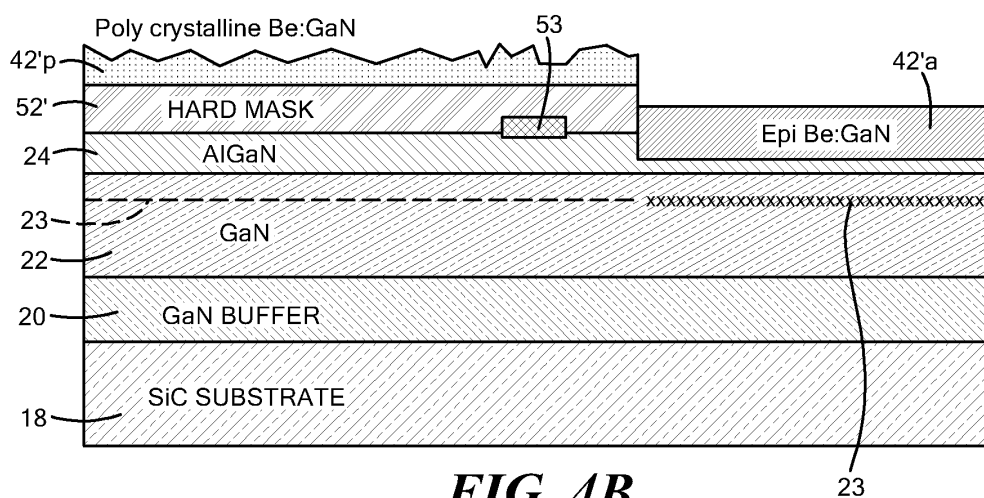


FIG. 4B

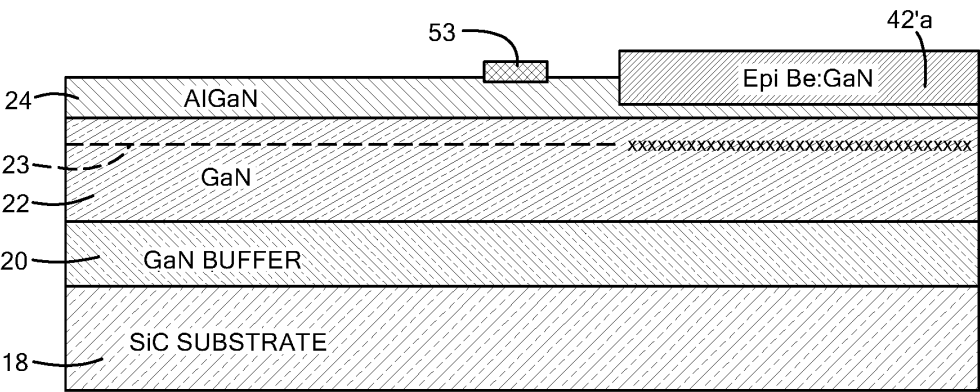


FIG. 4C

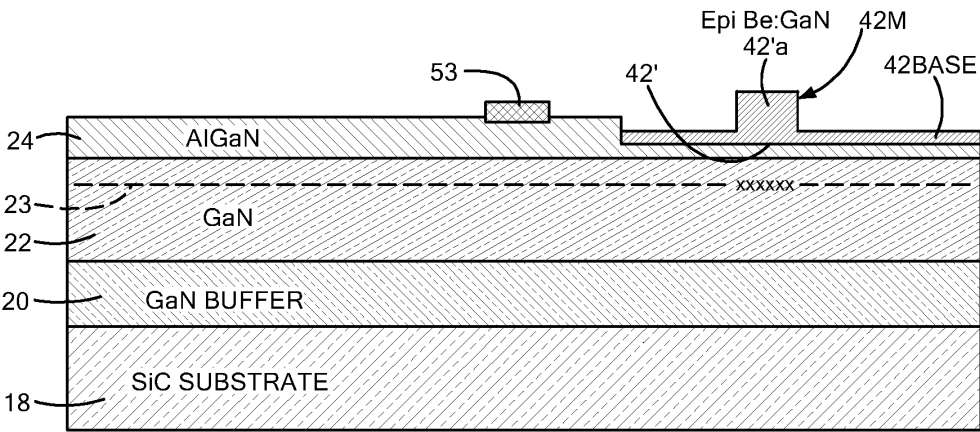


FIG. 4D

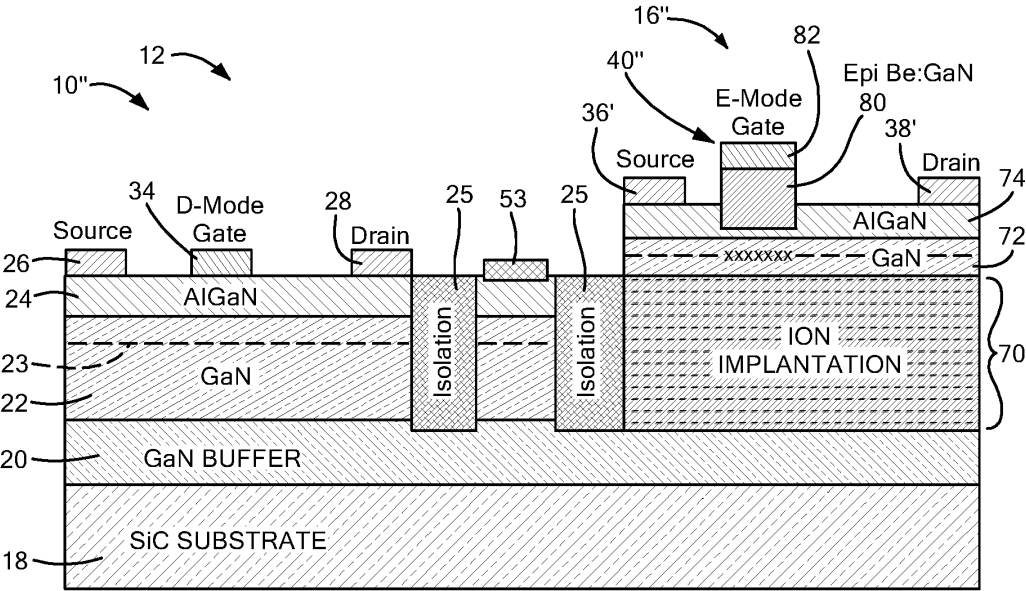


FIG. 5

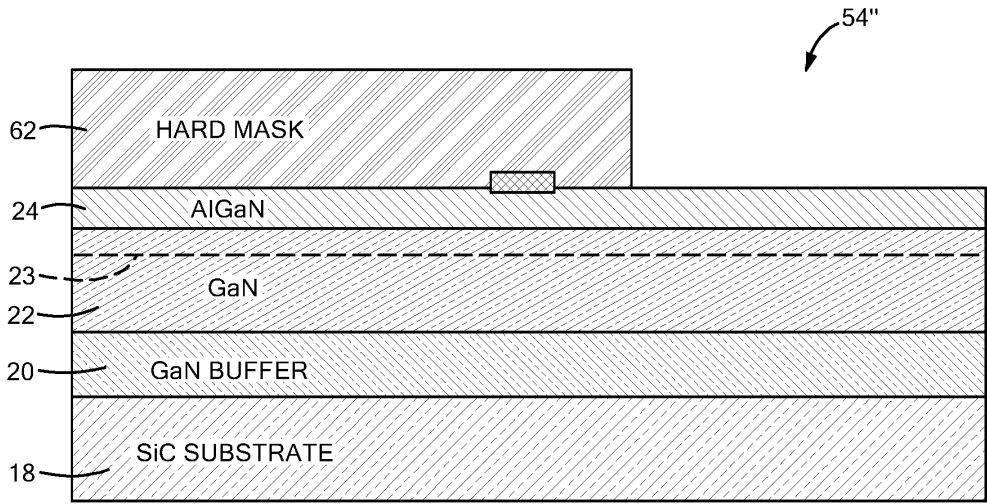


FIG. 5A

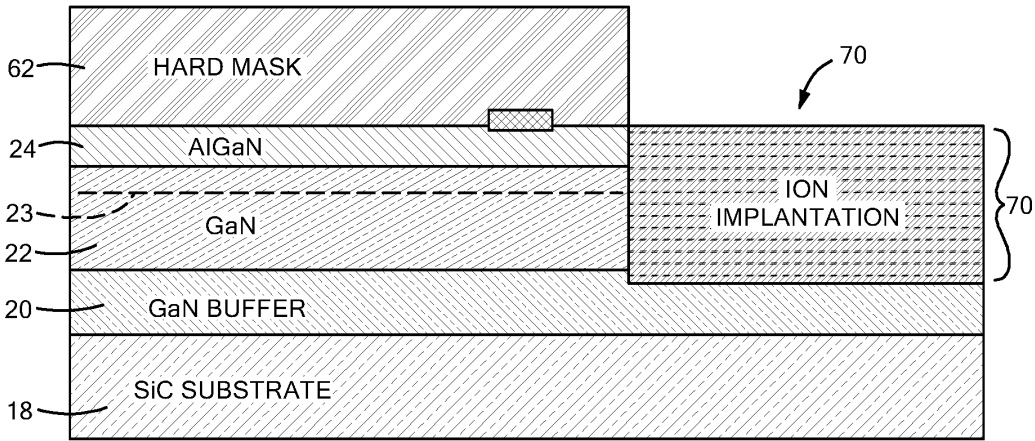


FIG. 5B

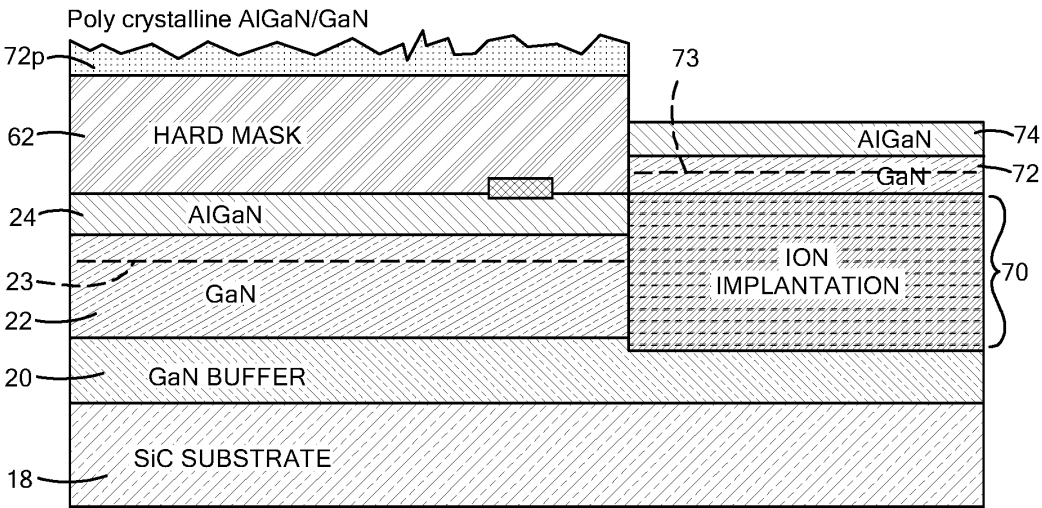


FIG. 5C

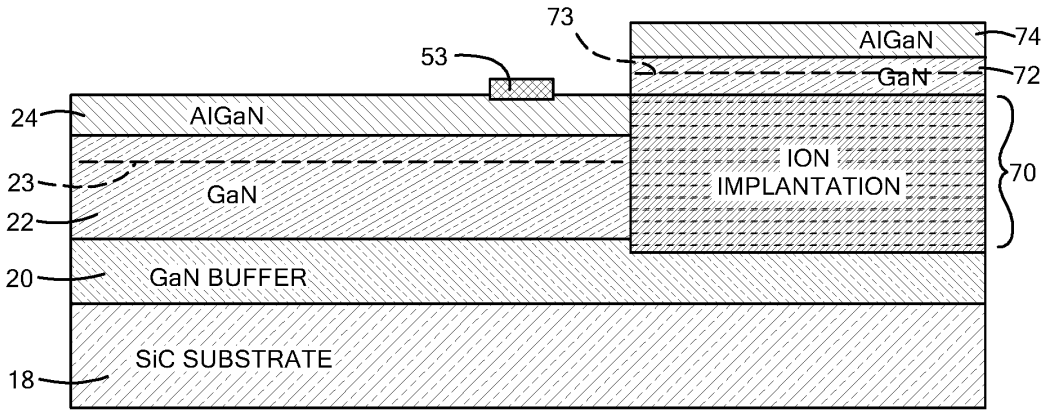


FIG. 5D

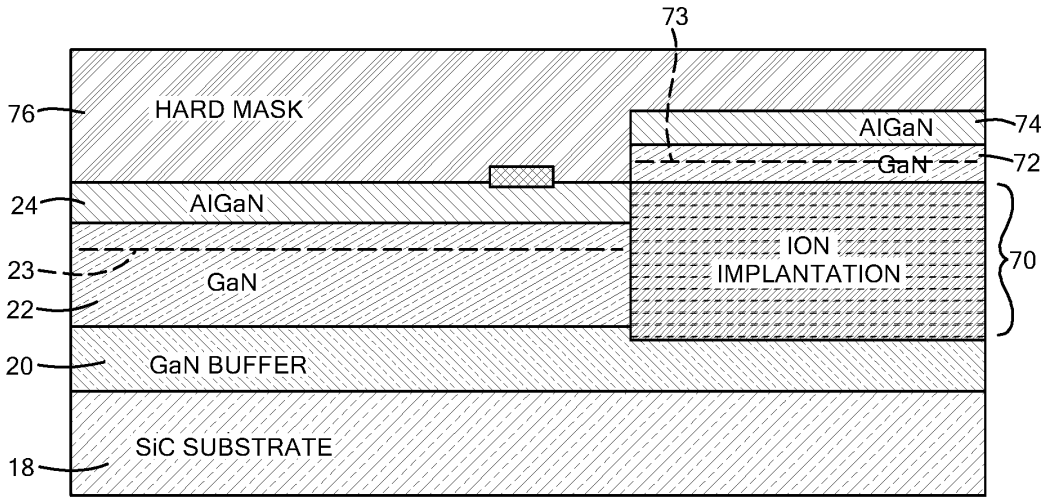
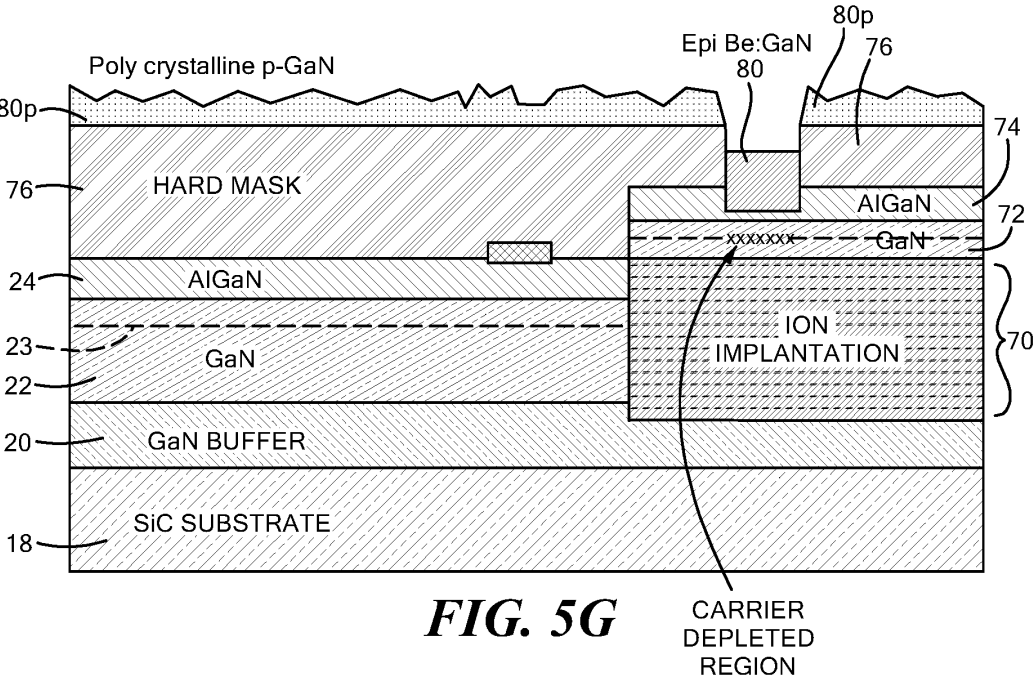
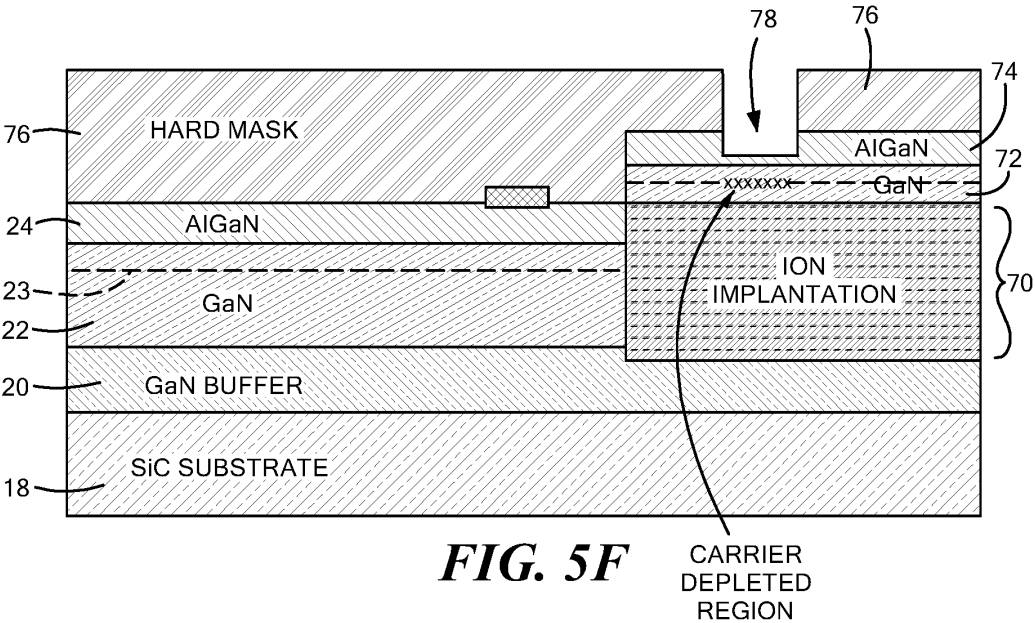


FIG. 5E



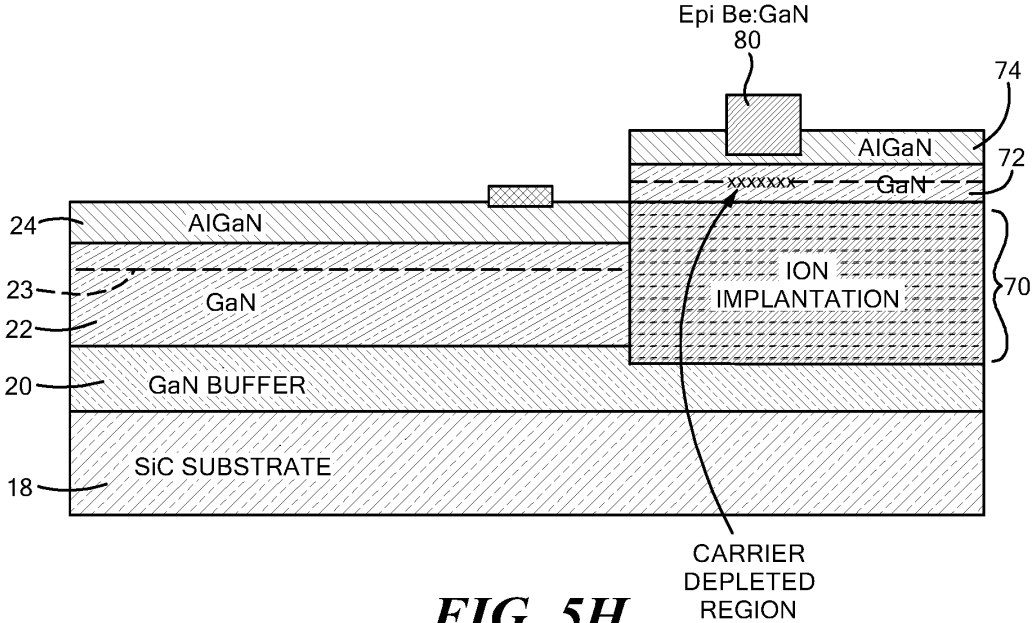
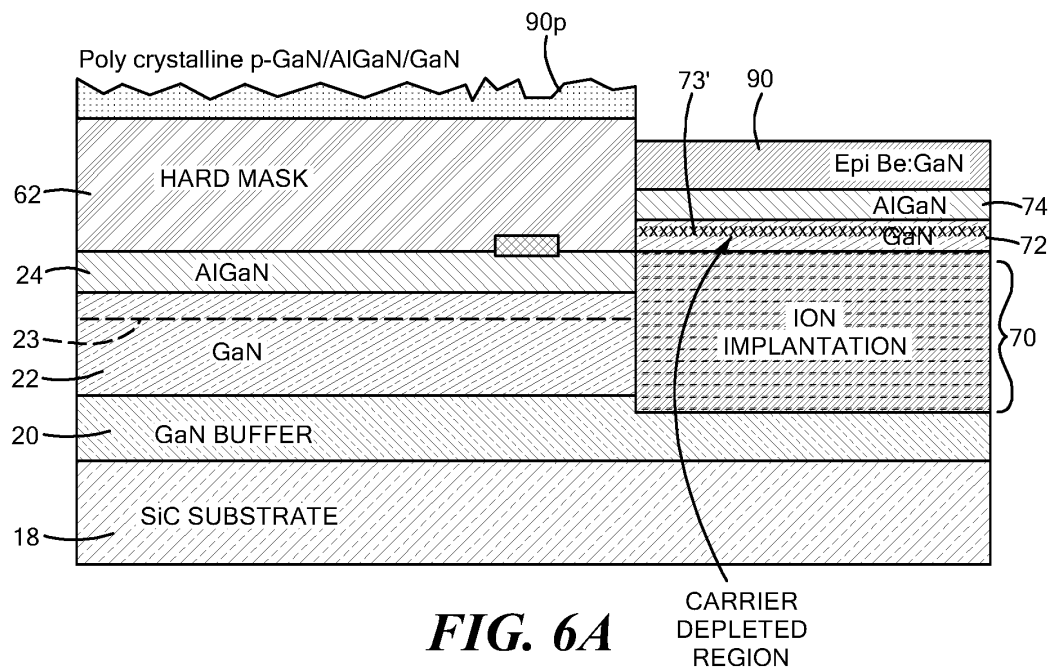
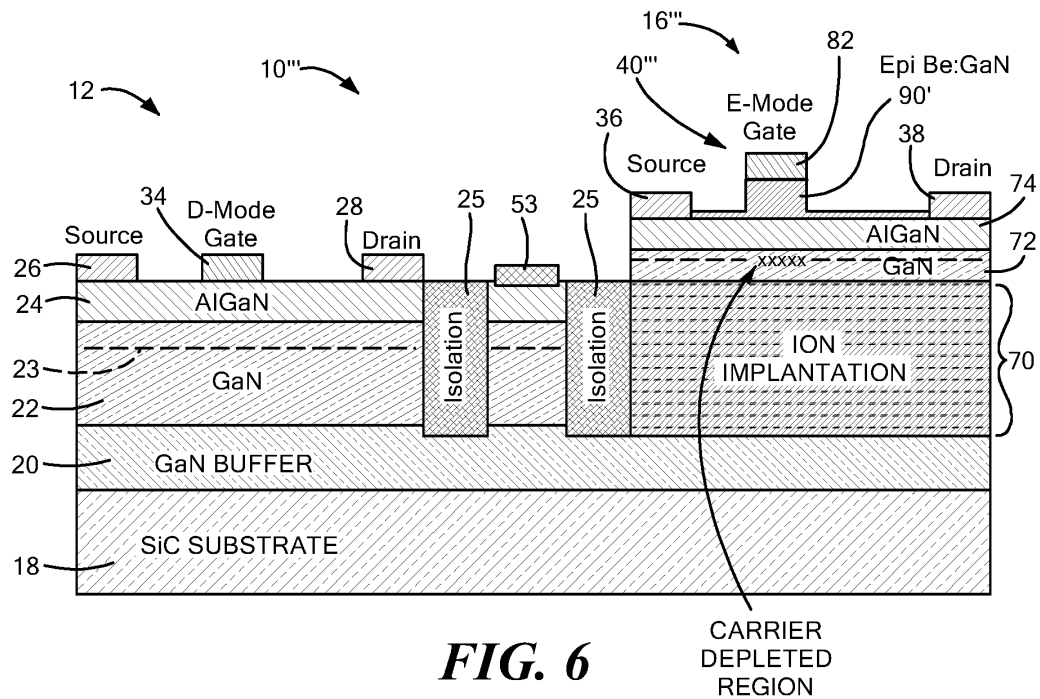
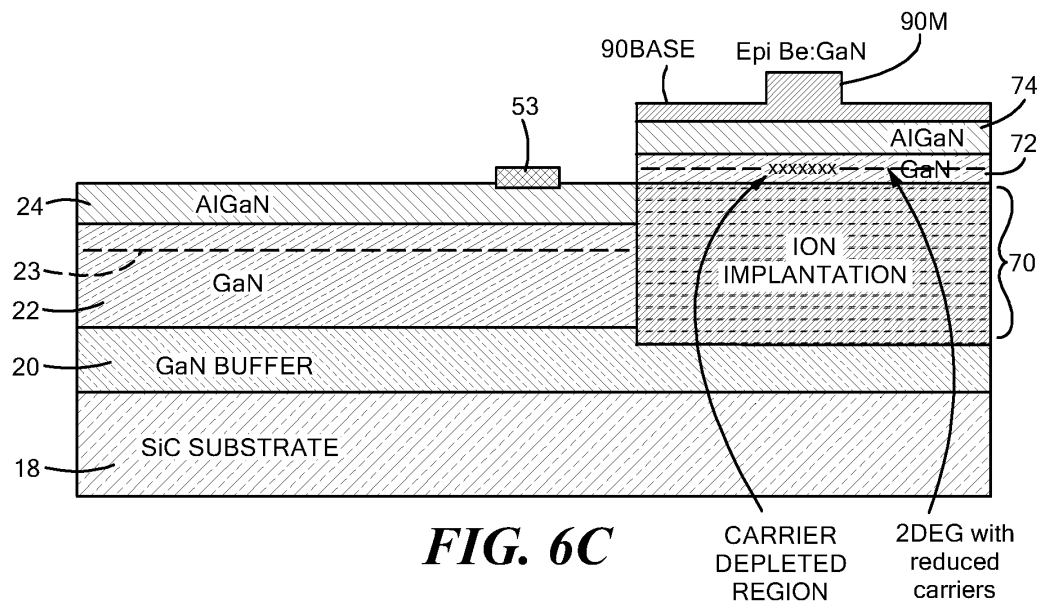
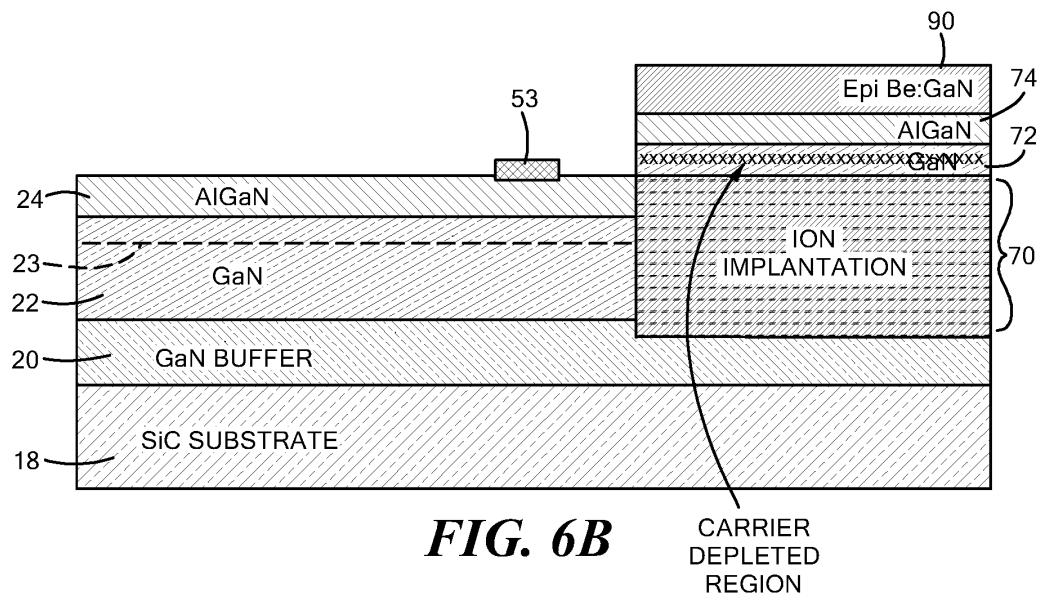


FIG. 5H





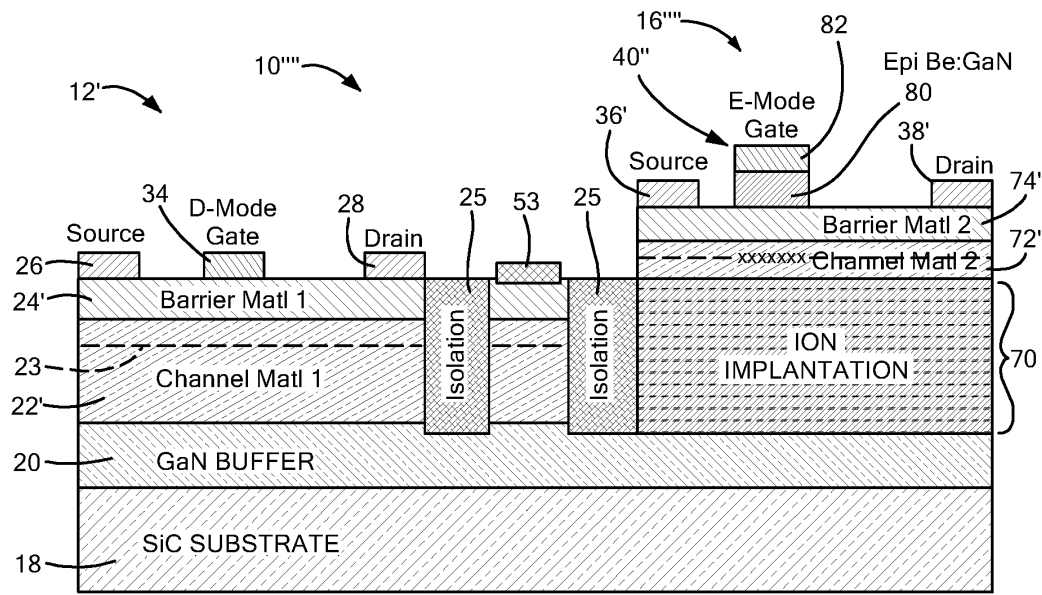


FIG. 7