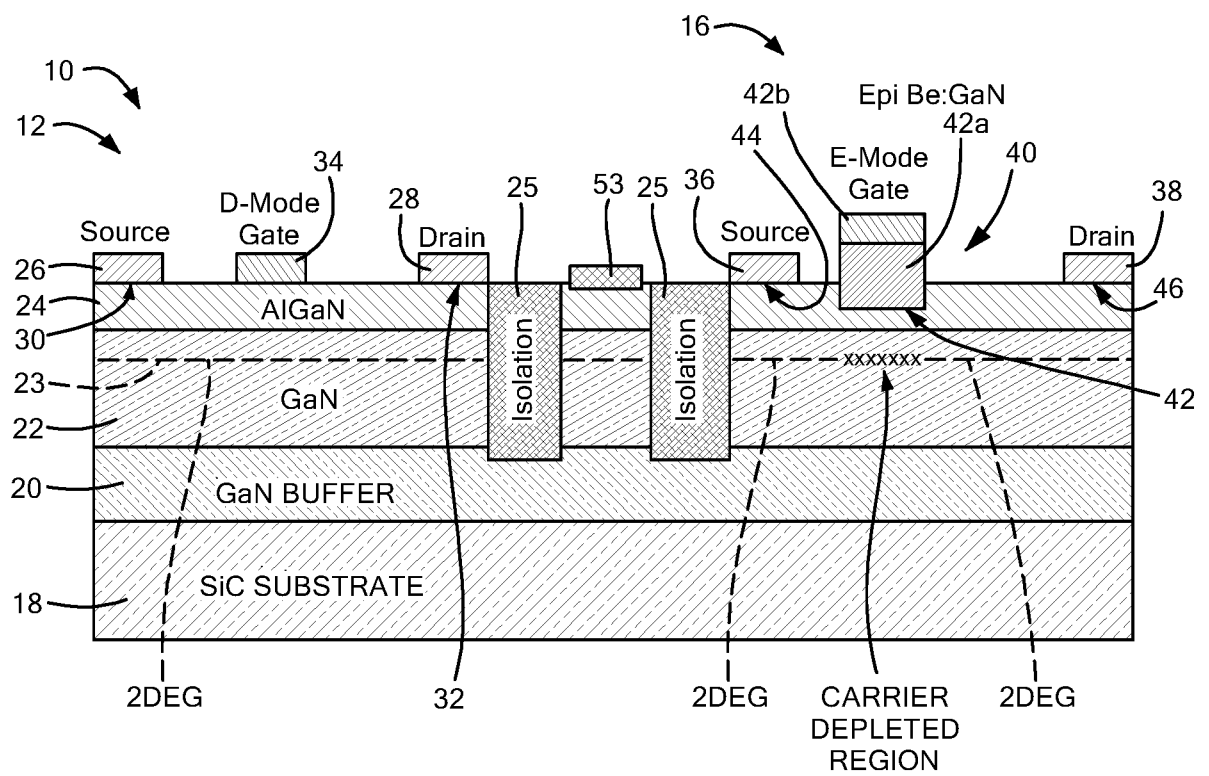


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**FIG. 1**

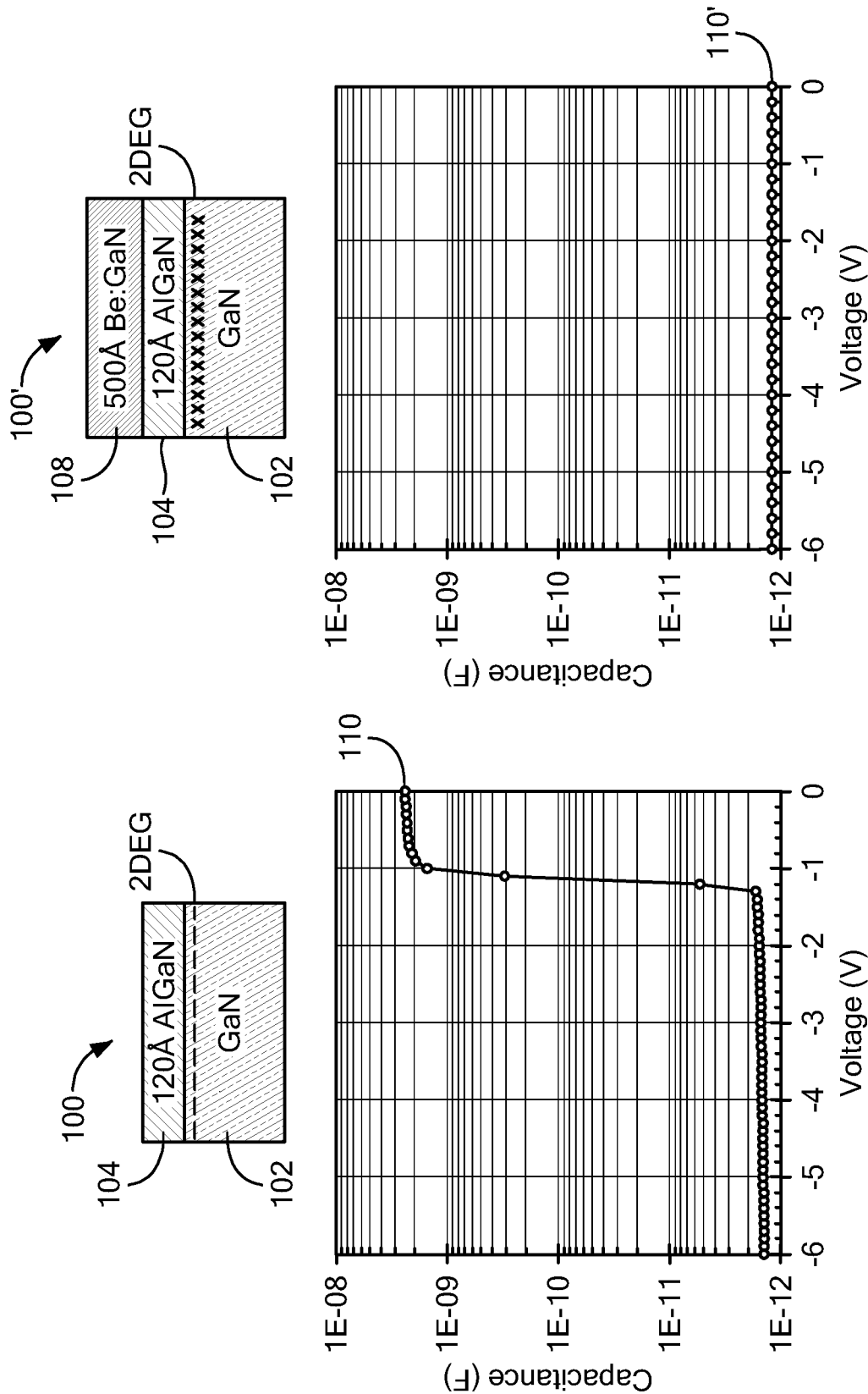


FIG. 2A

FIG. 2B

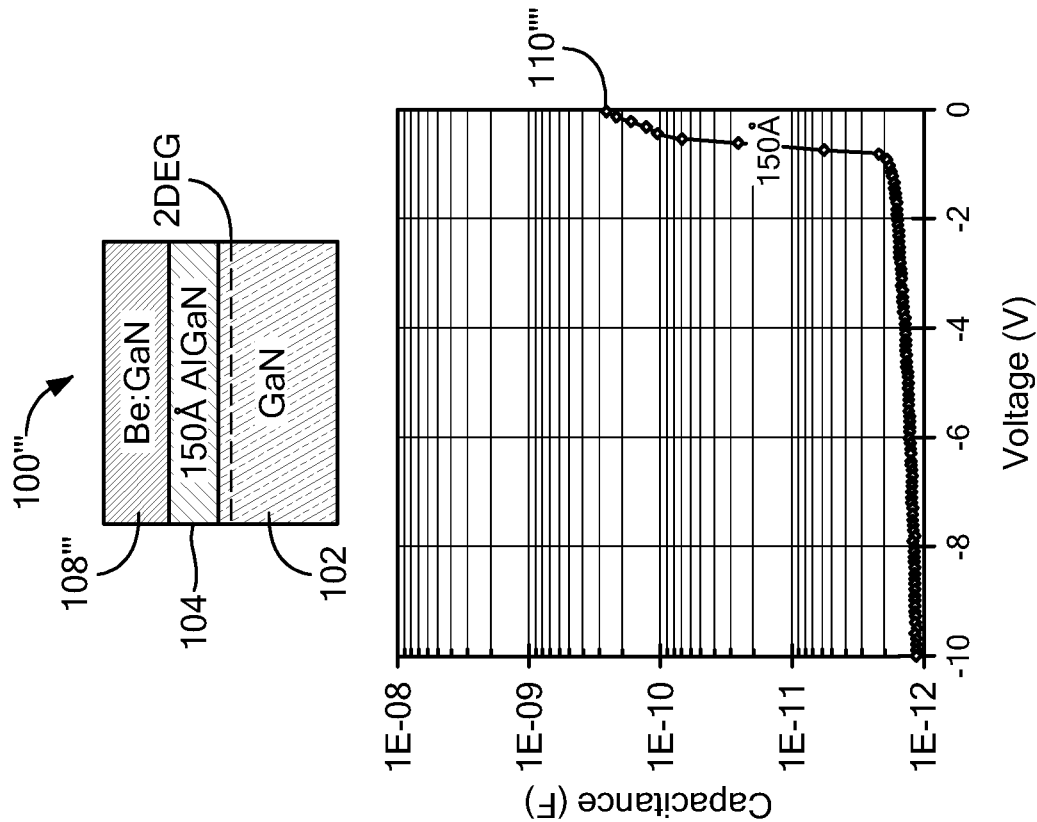


FIG. 2D

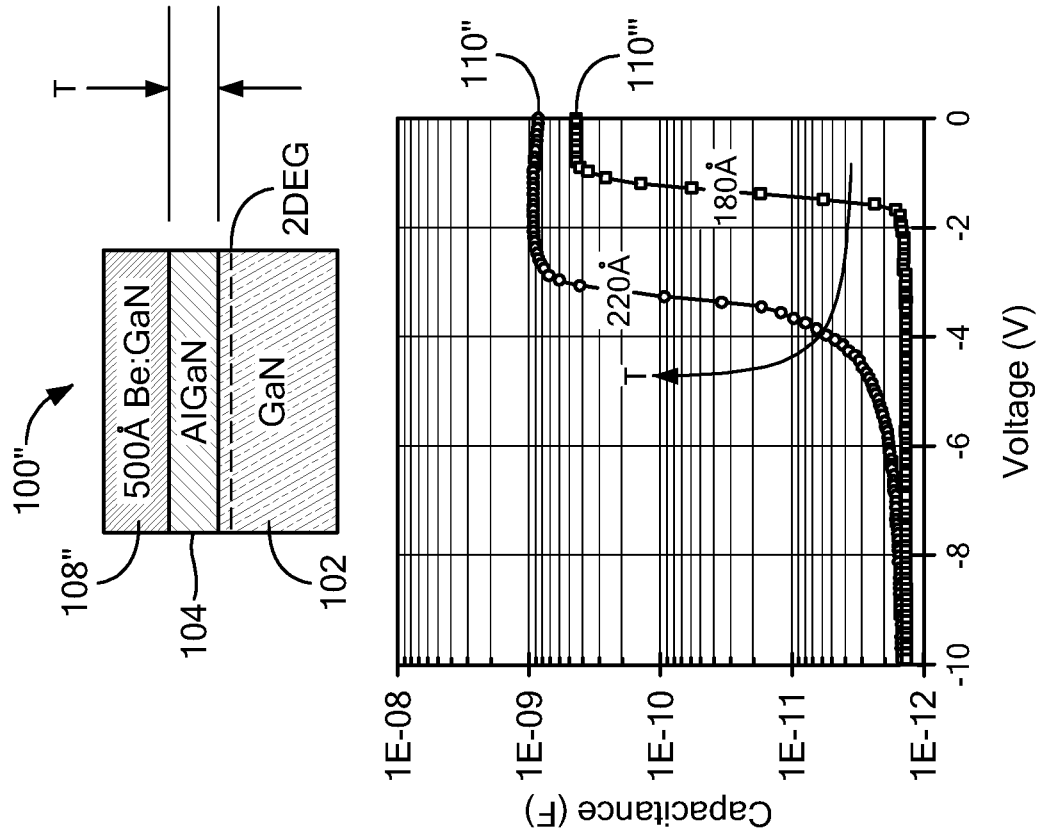


FIG. 2C

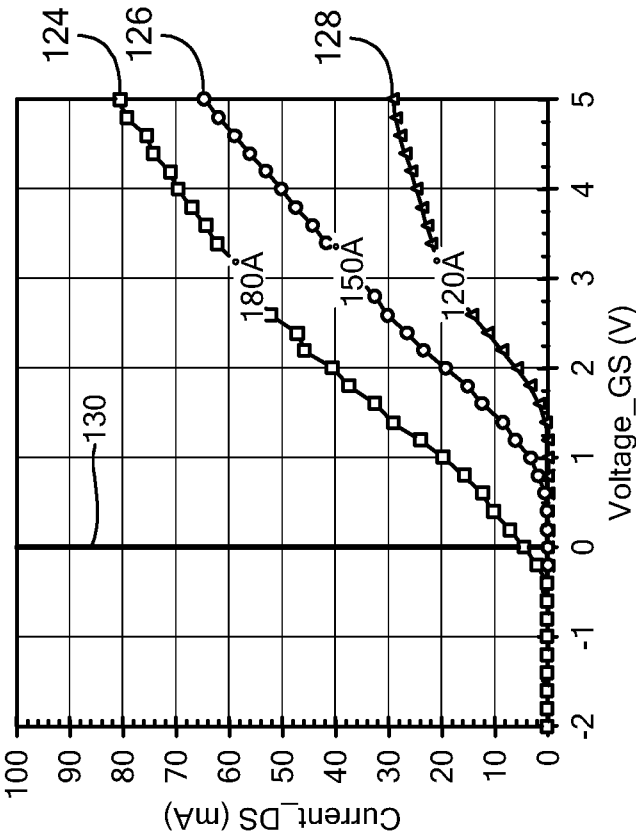
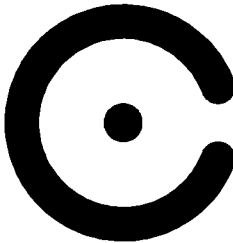
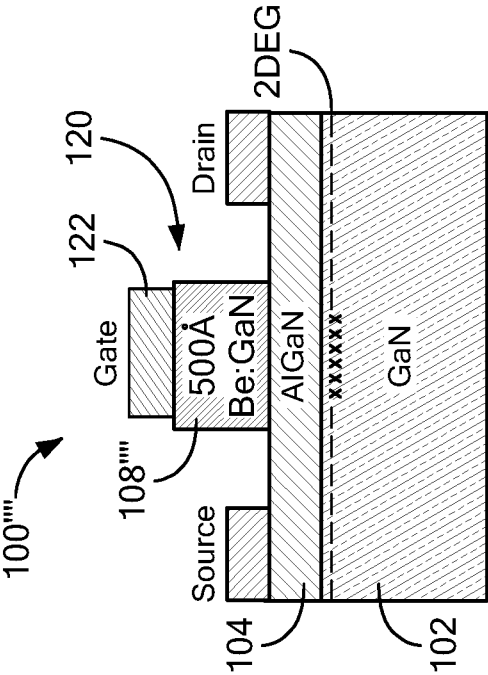


FIG. 2E



Hg Probe
Contact Geometry

FIG. 2F

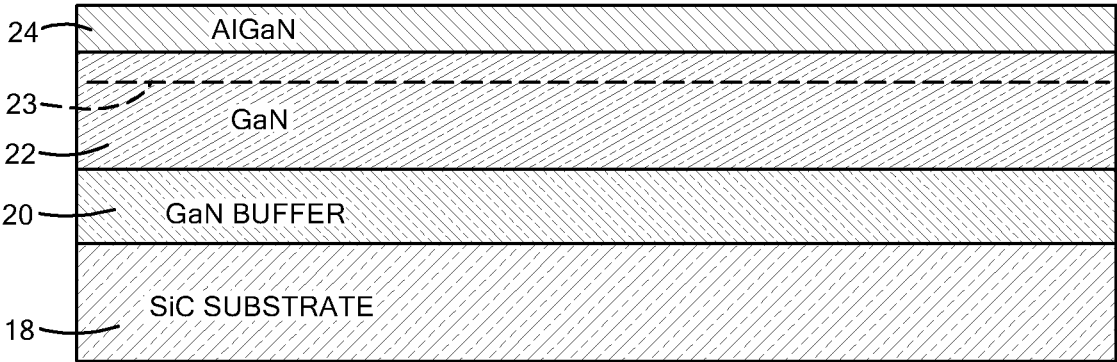


FIG. 3A

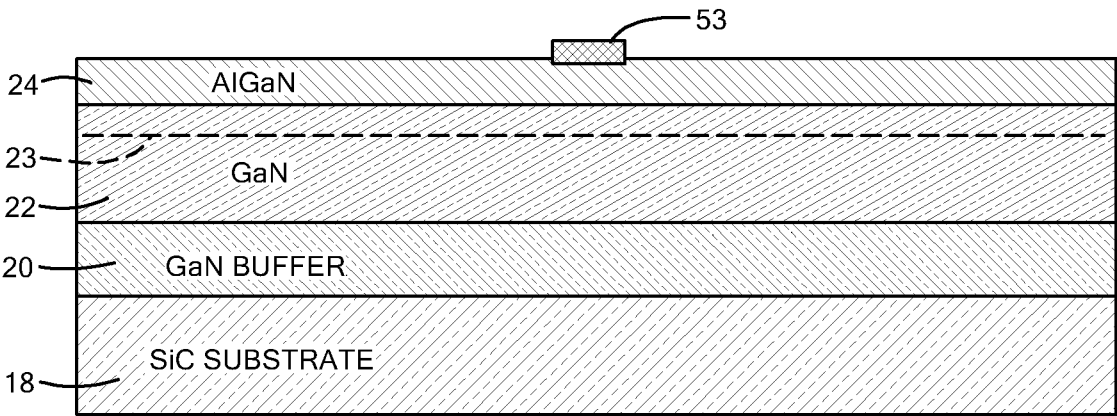


FIG. 3B

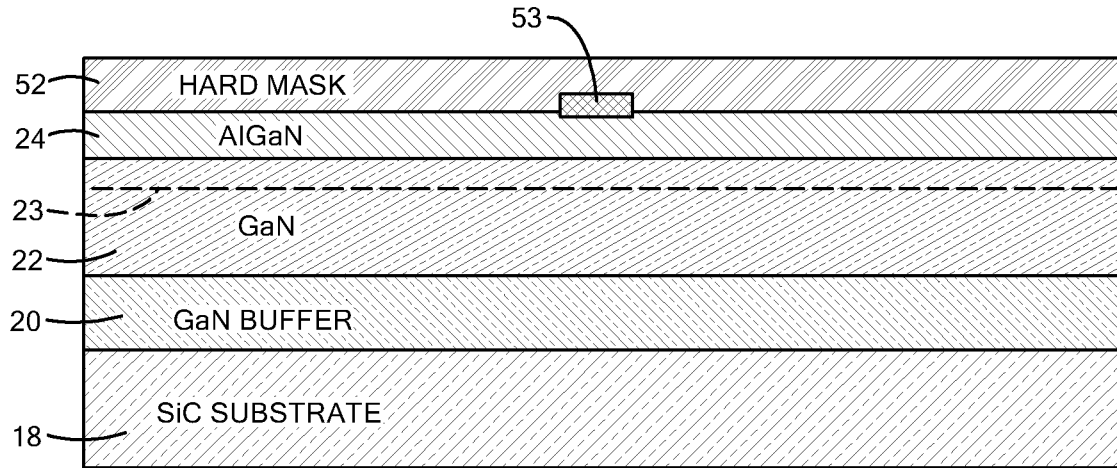


FIG. 3C

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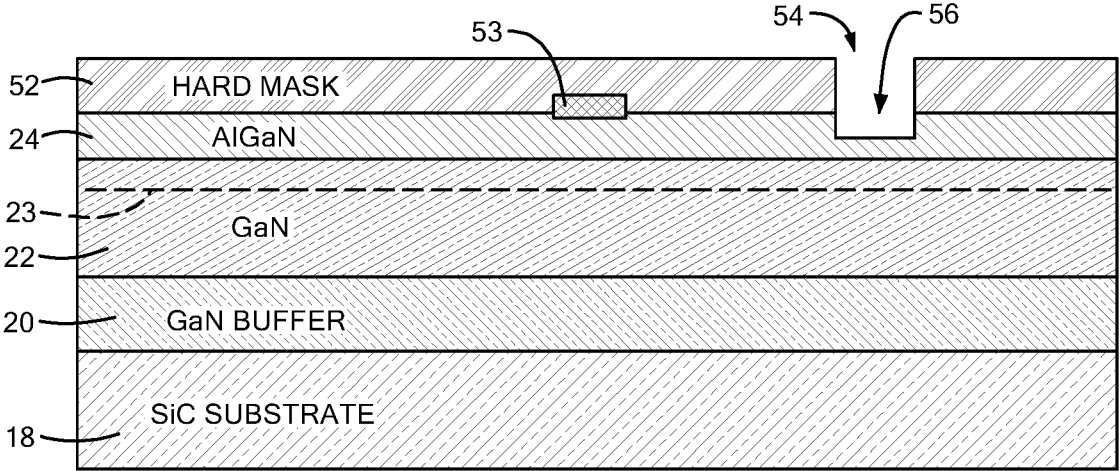


FIG. 3D

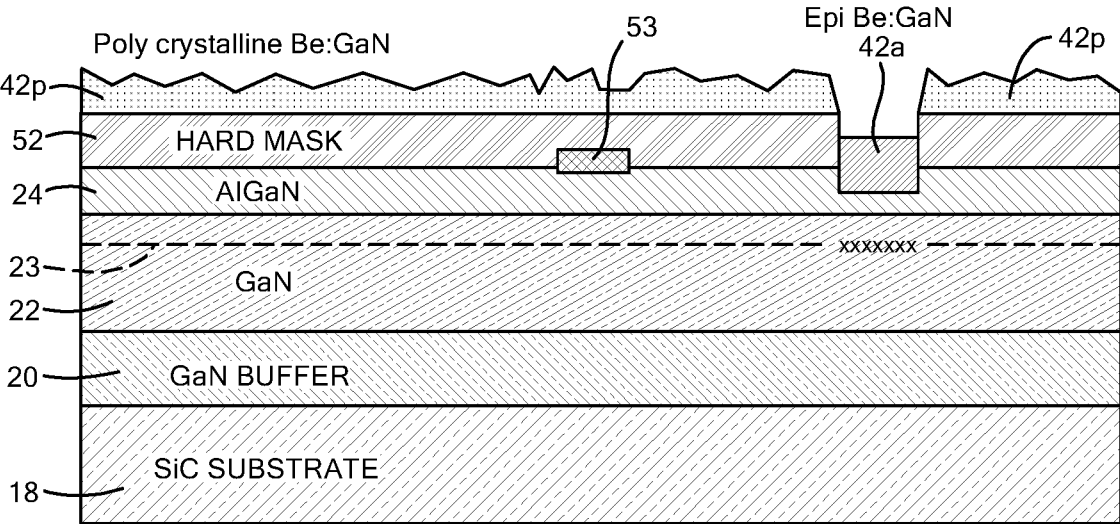


FIG. 3E

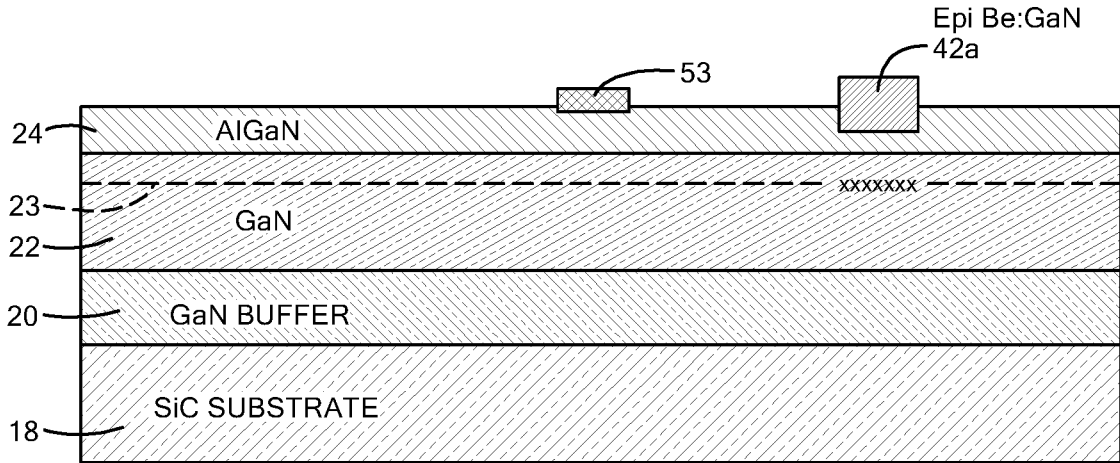


FIG. 3F

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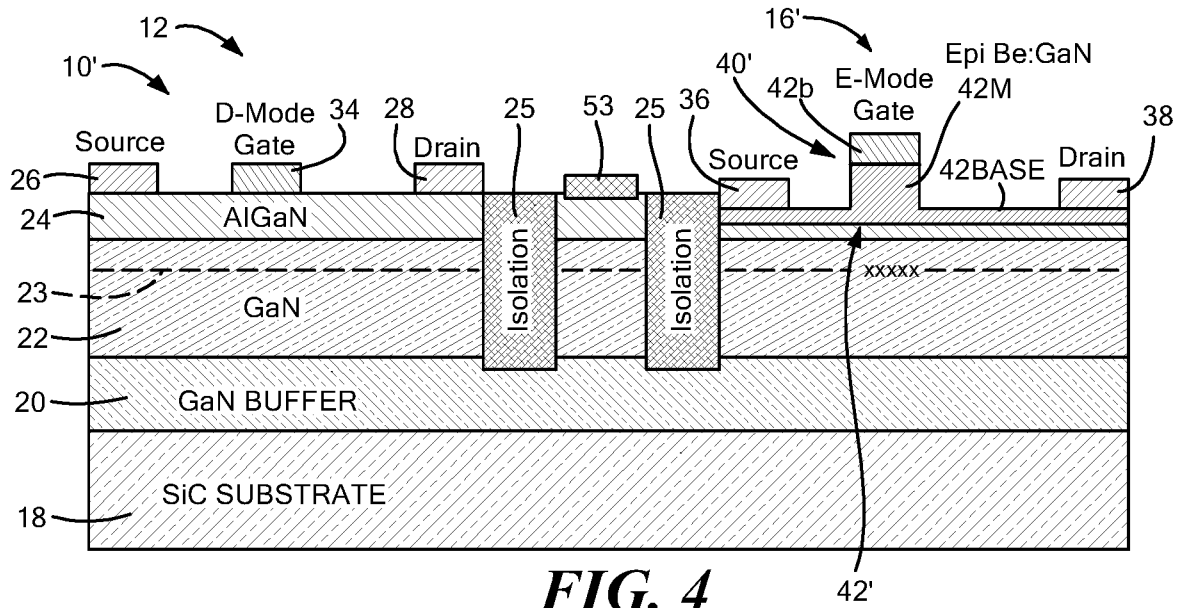


FIG. 4

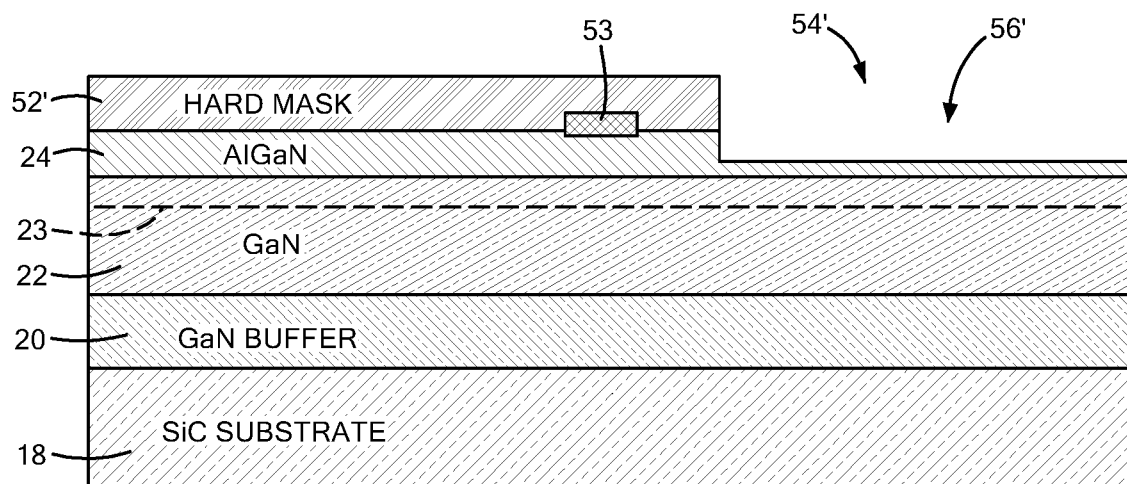


FIG. 4A

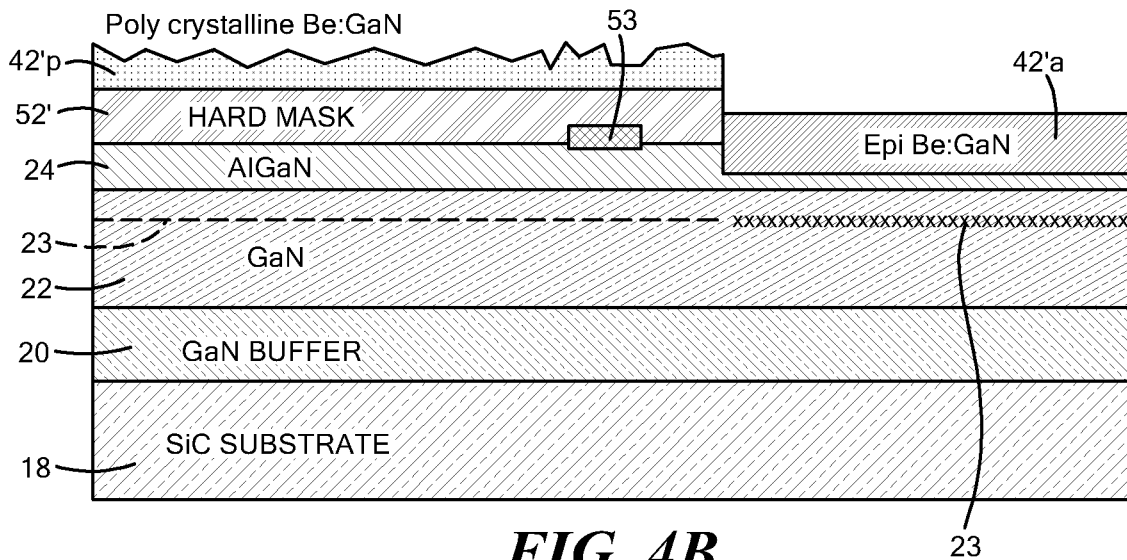


FIG. 4B

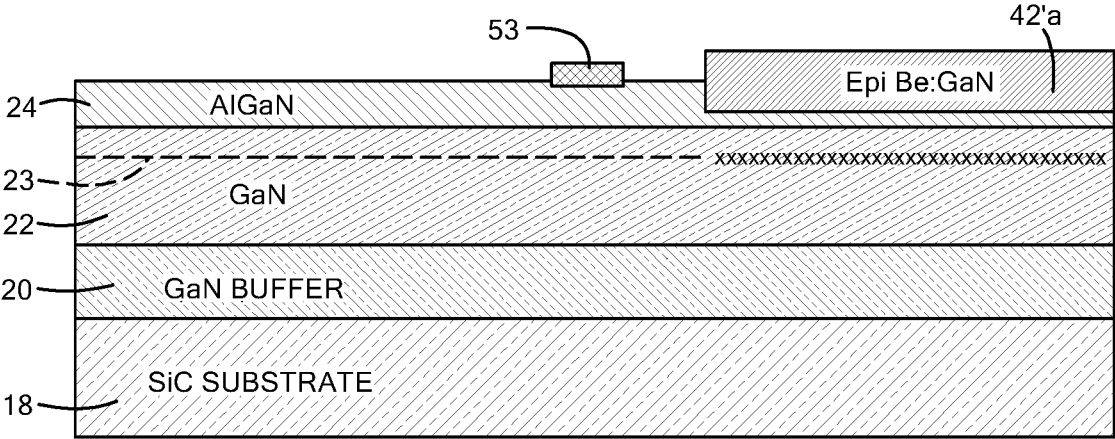


FIG. 4C

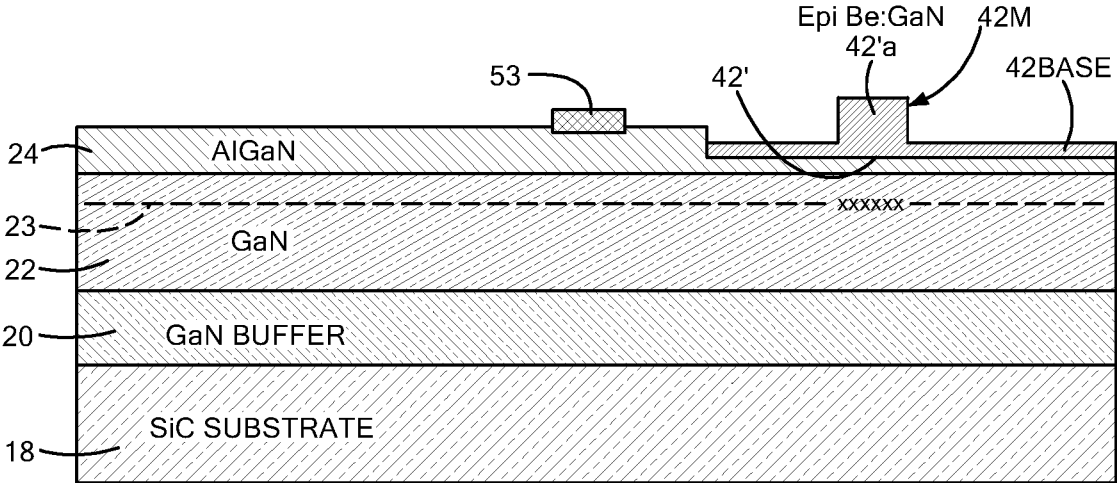


FIG. 4D

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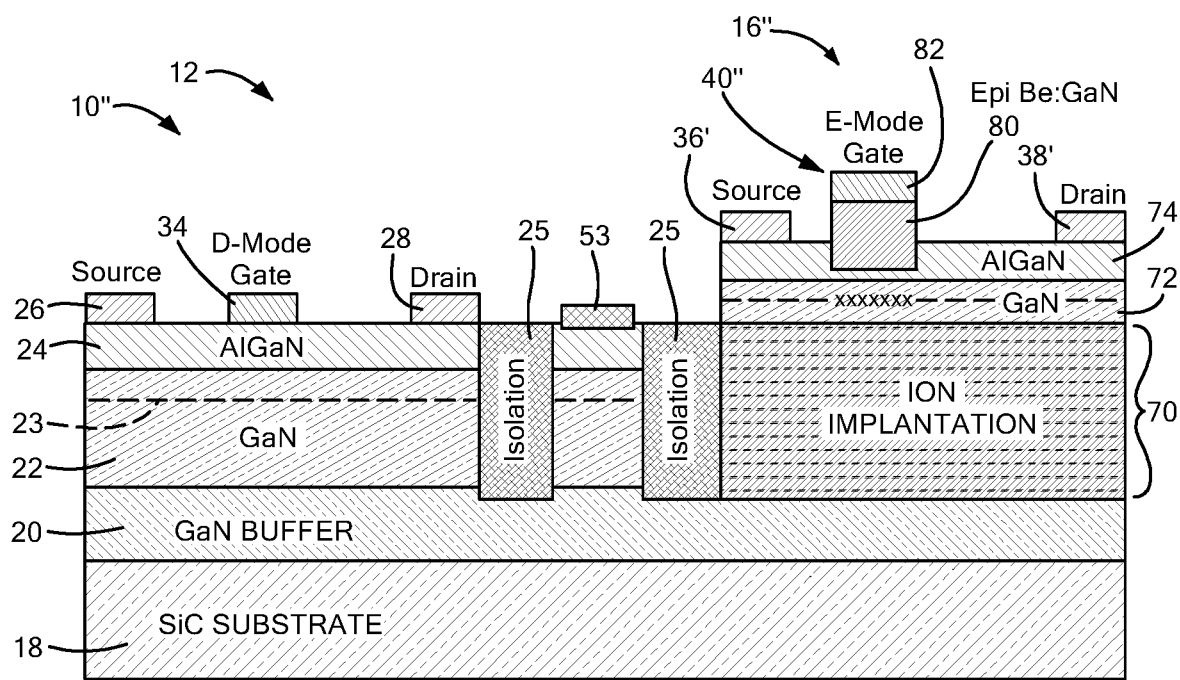


FIG. 5

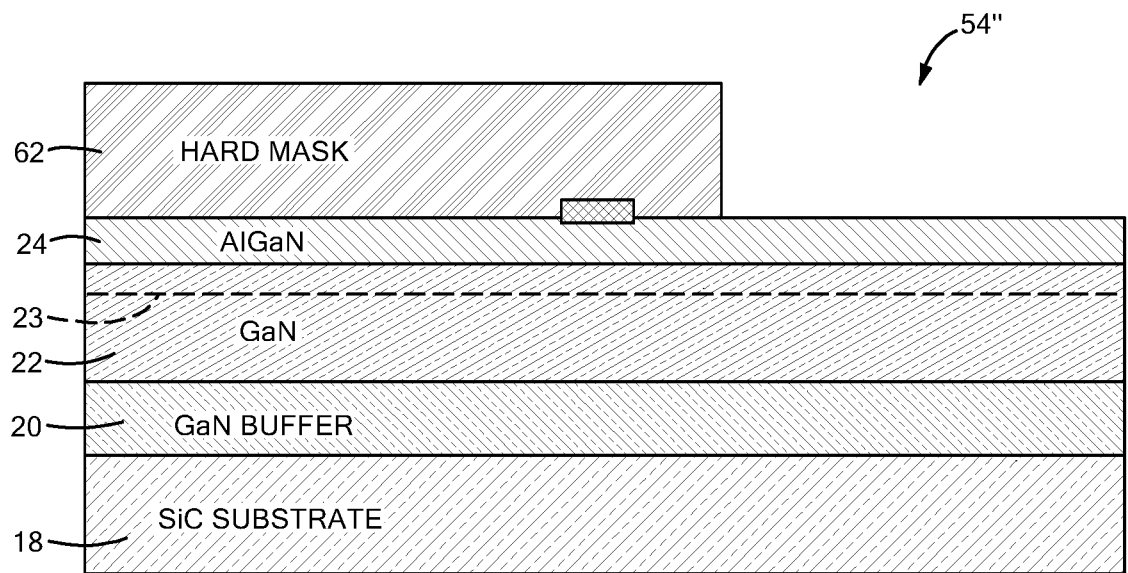
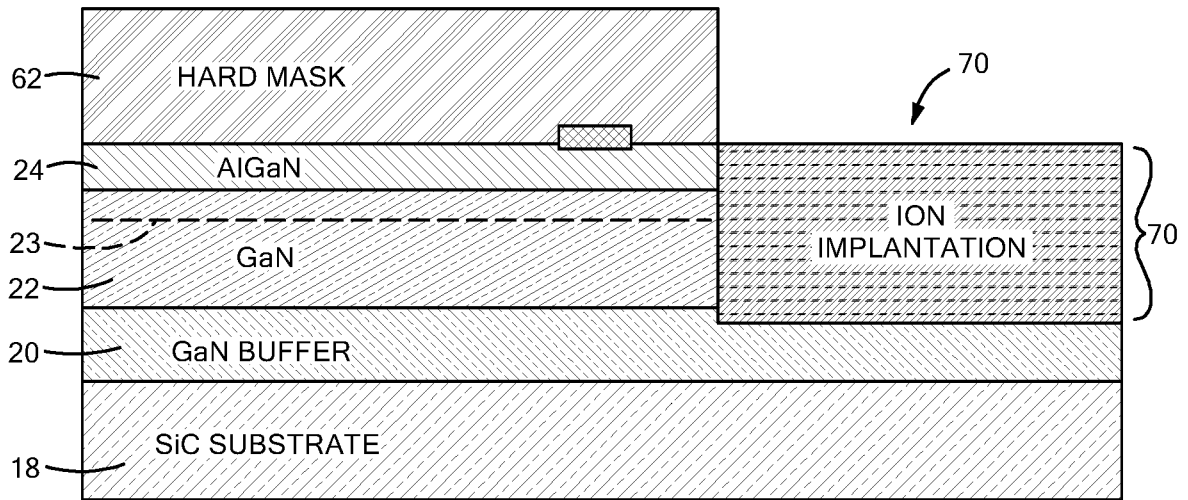
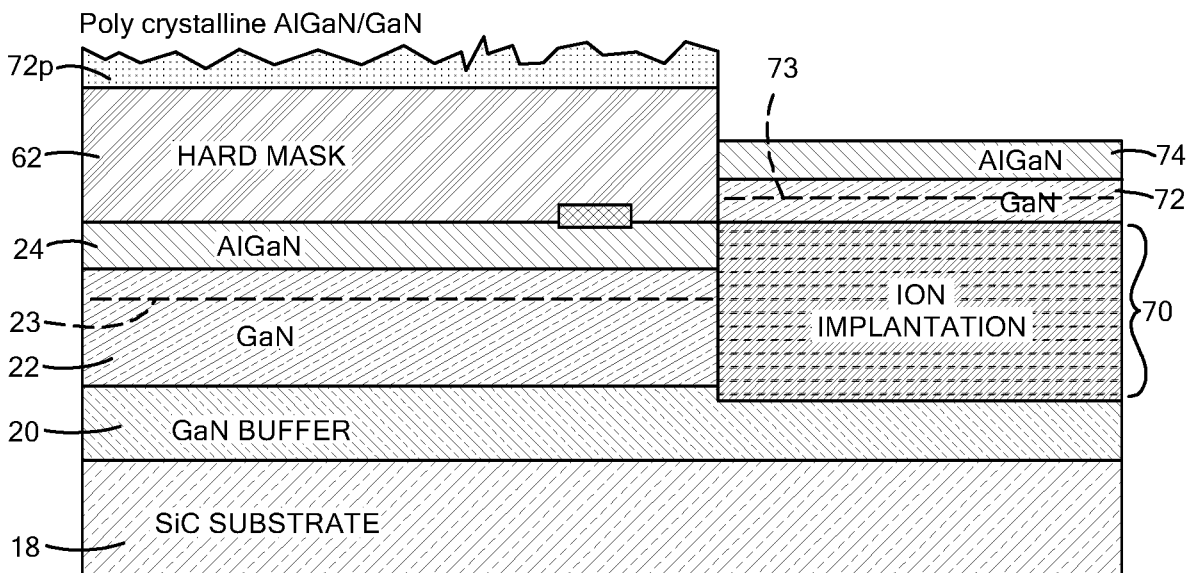


FIG. 5A

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**FIG. 5B****FIG. 5C**

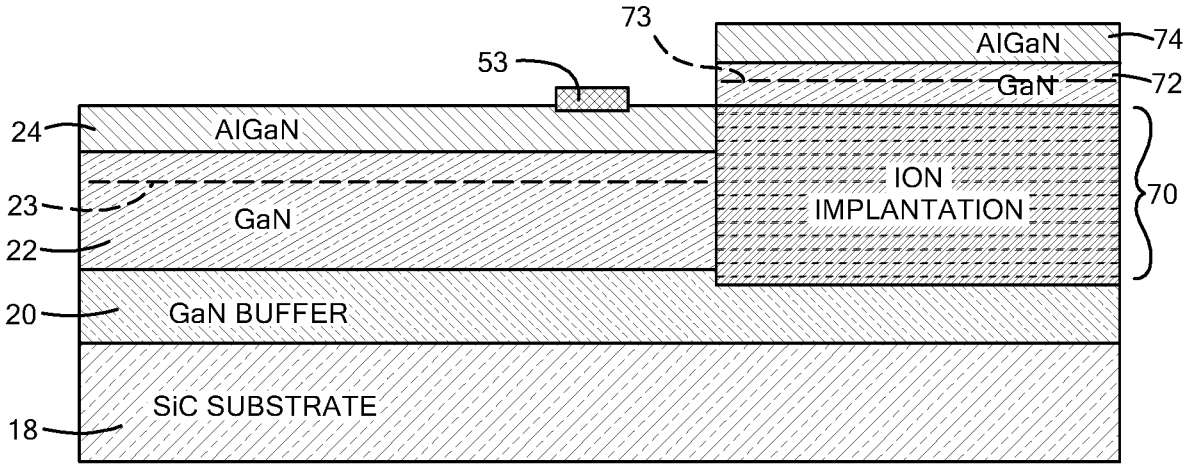


FIG. 5D

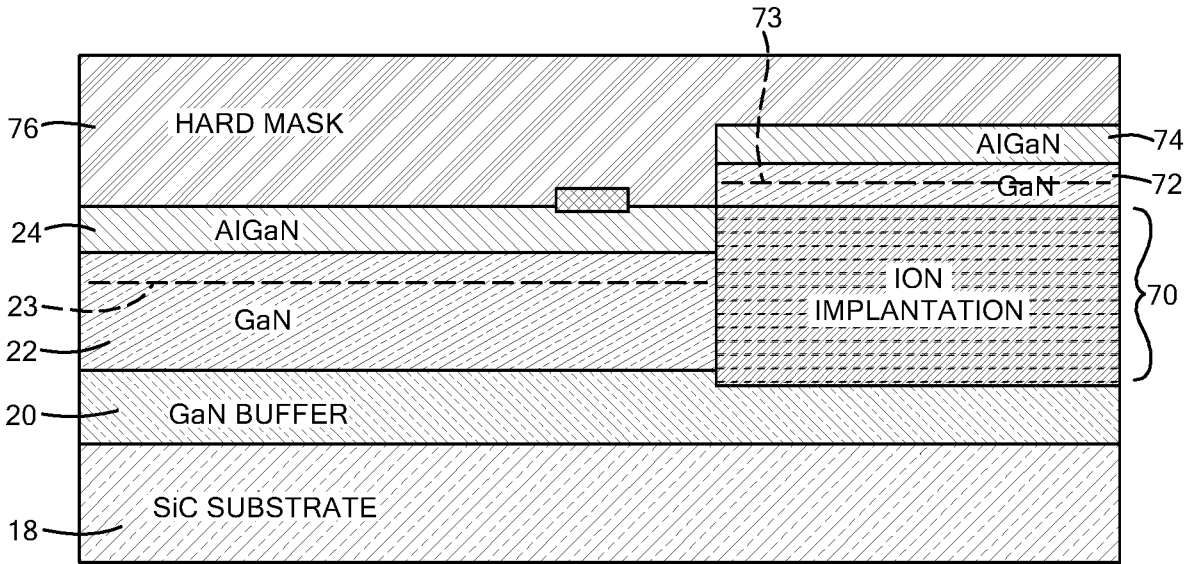
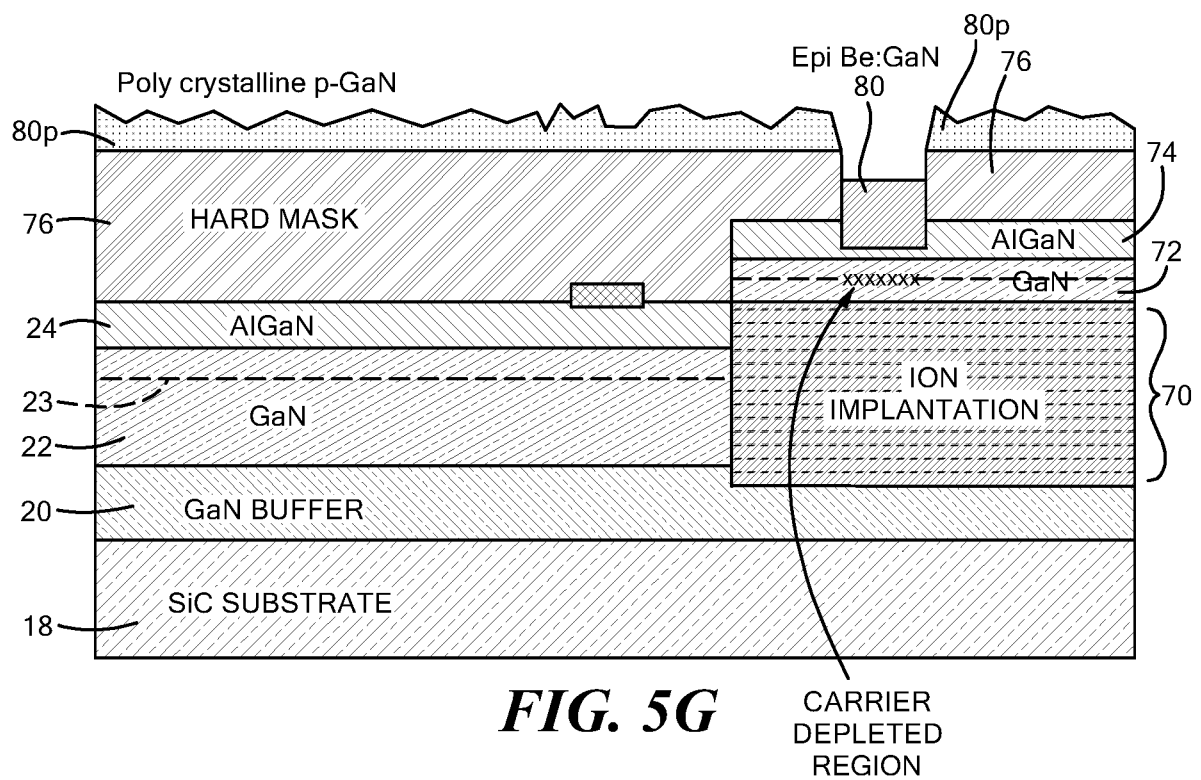
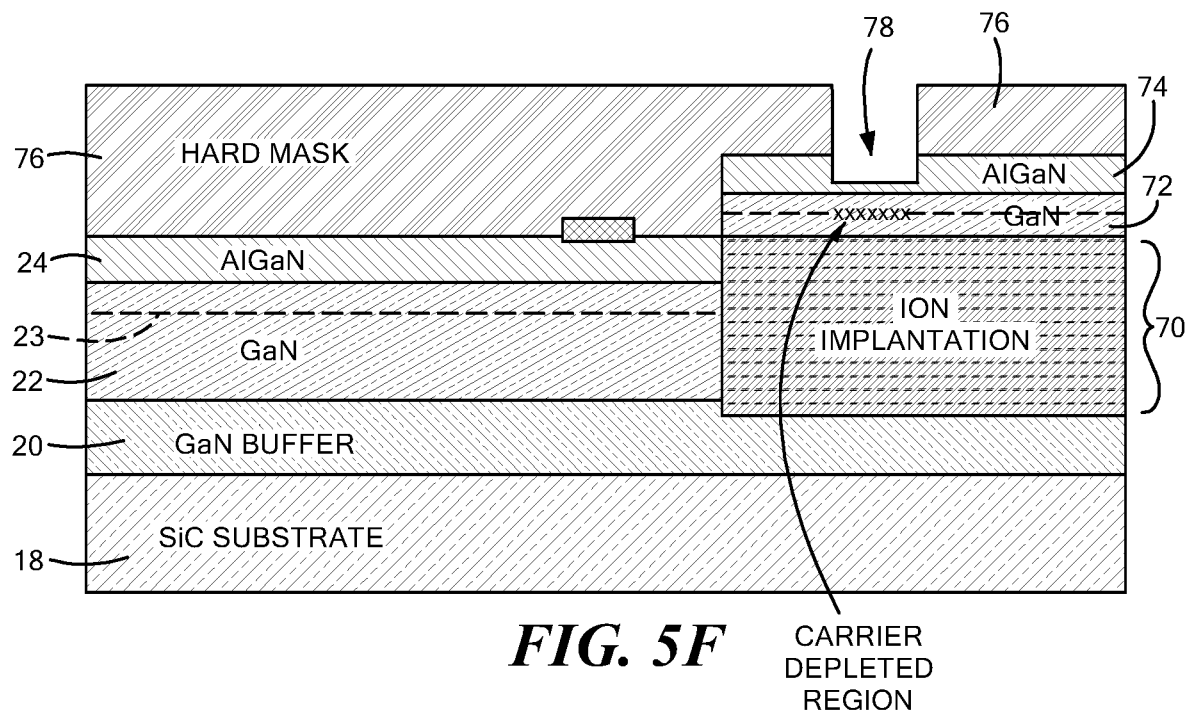
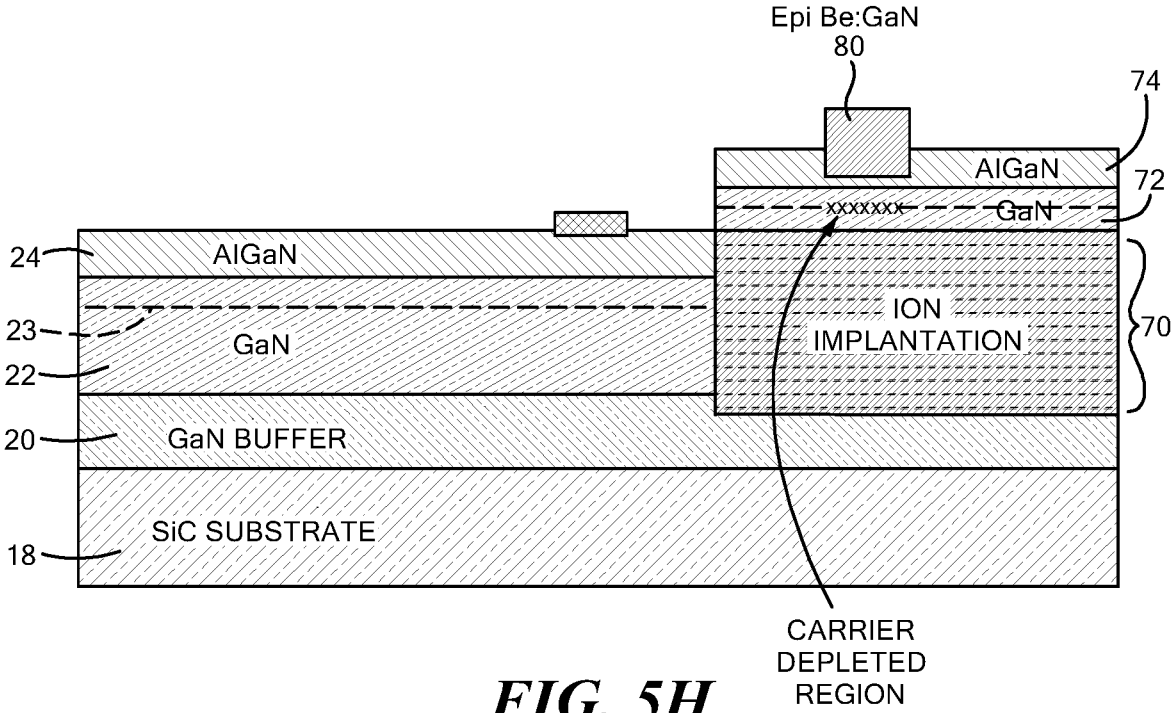


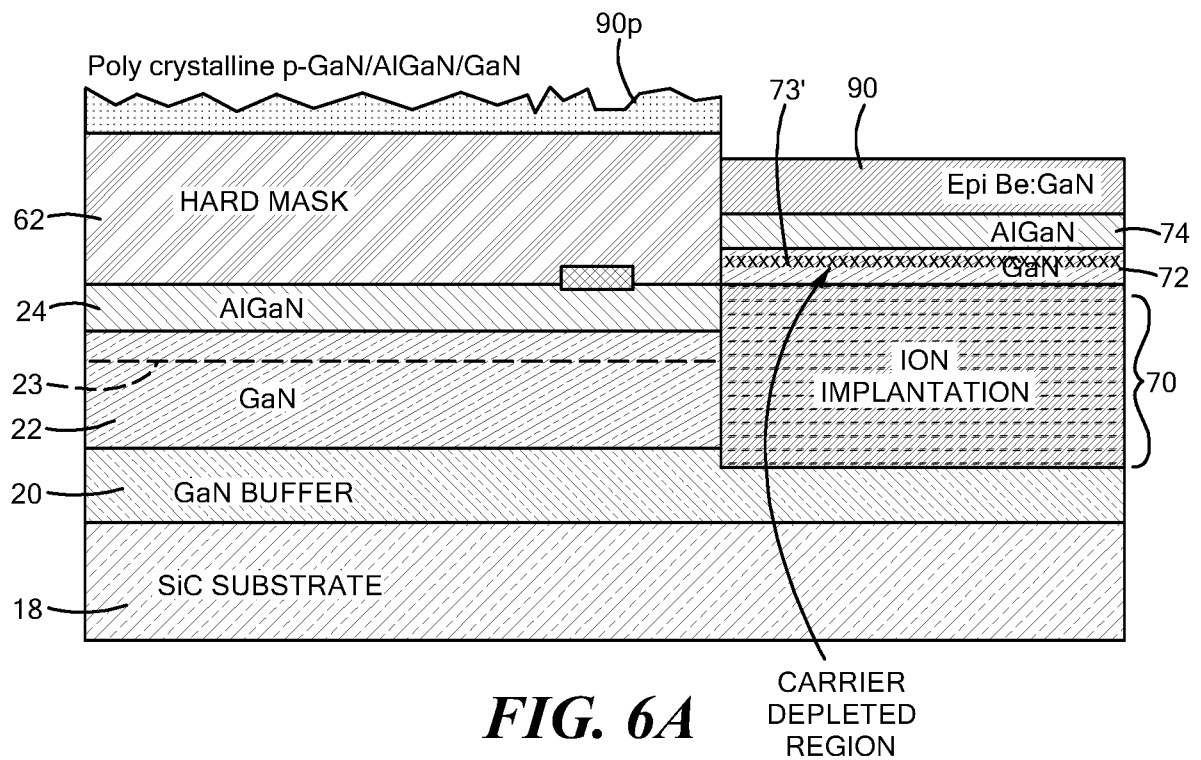
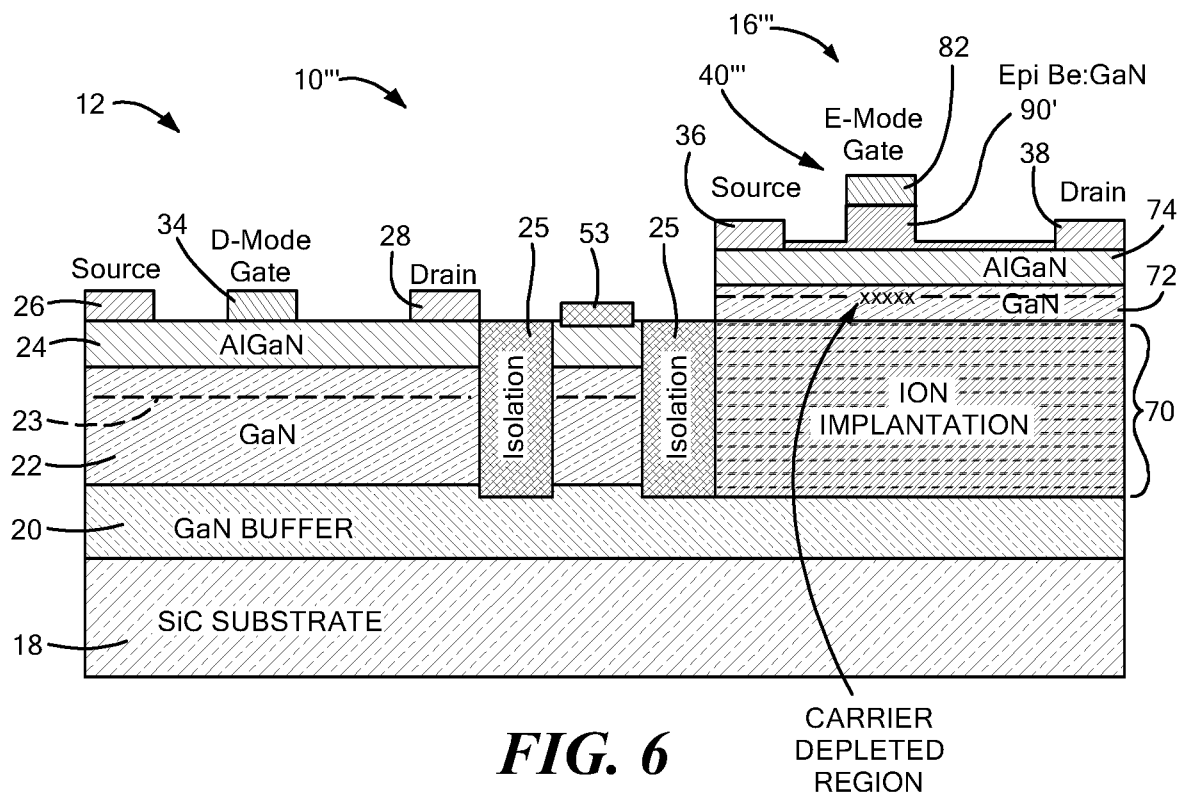
FIG. 5E

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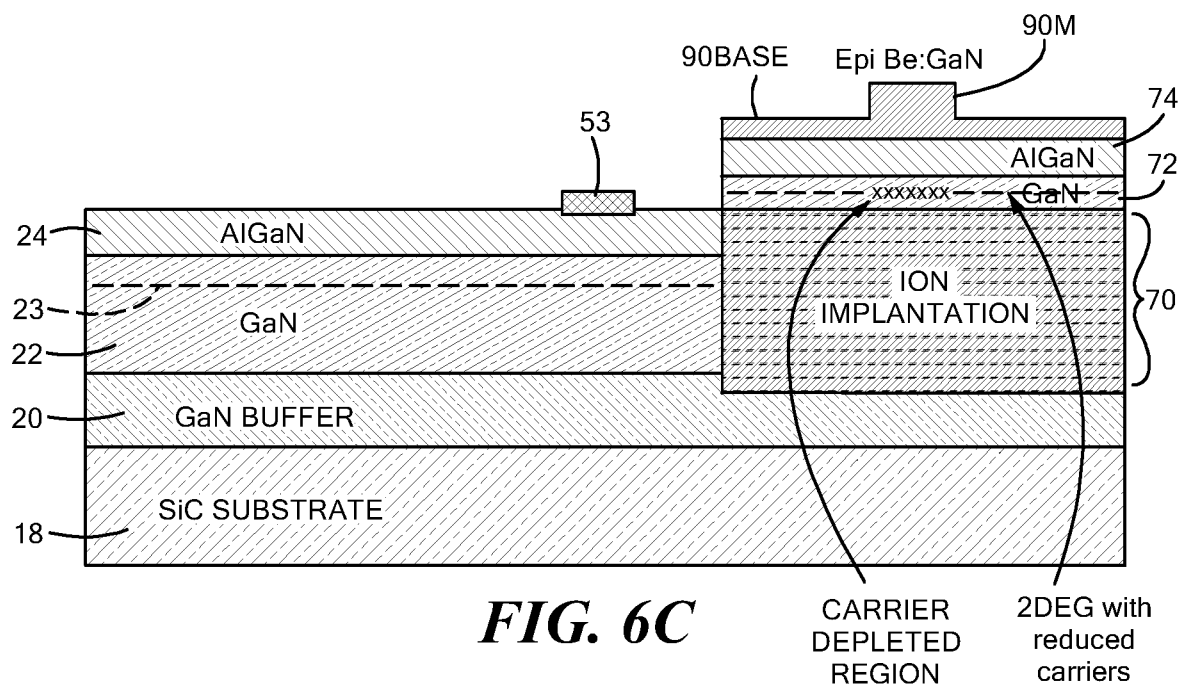
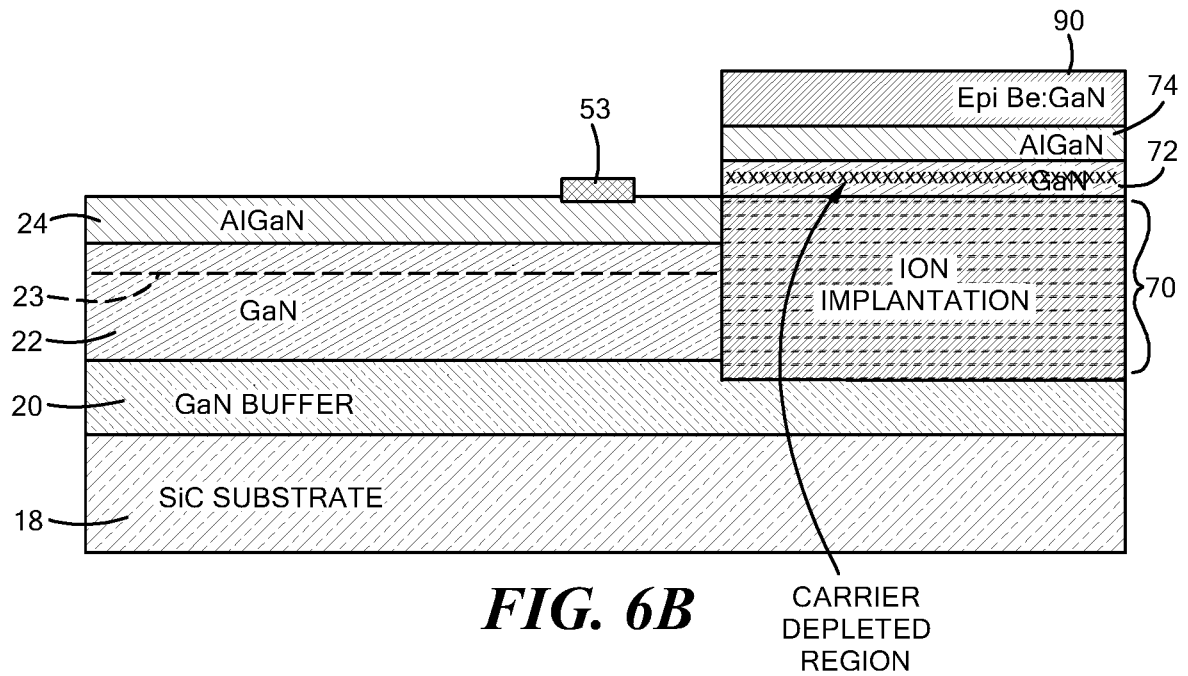




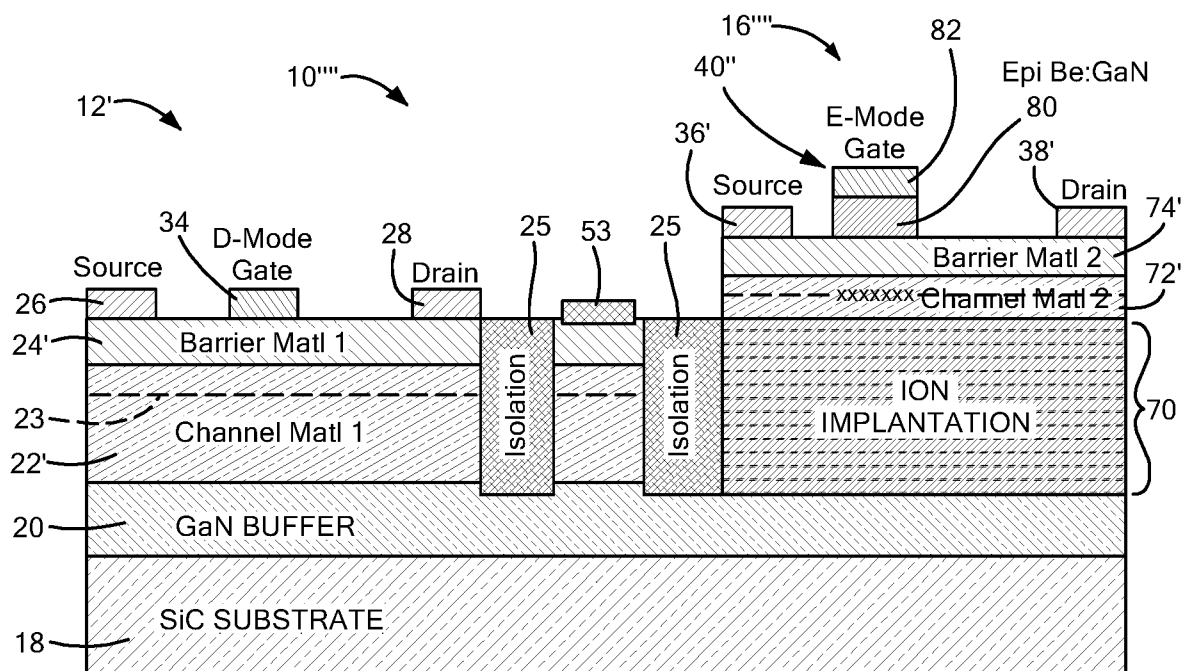
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**FIG. 7**