

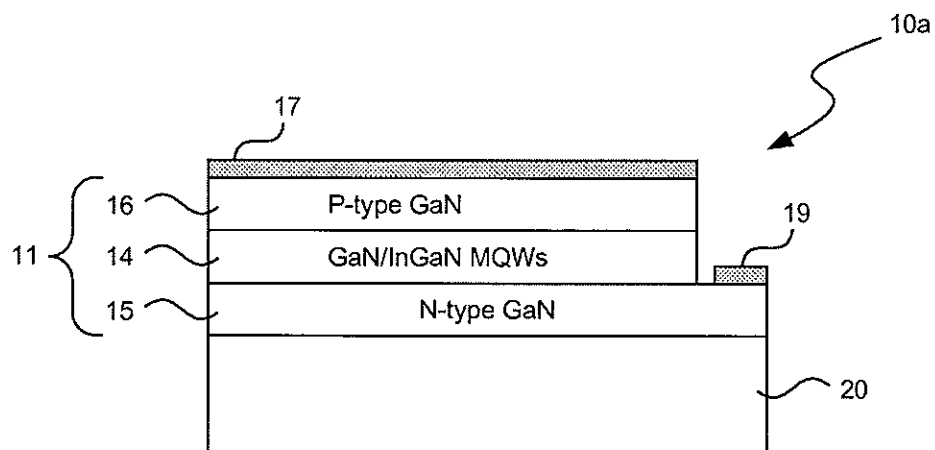


FIG. 1A
(Prior Art)

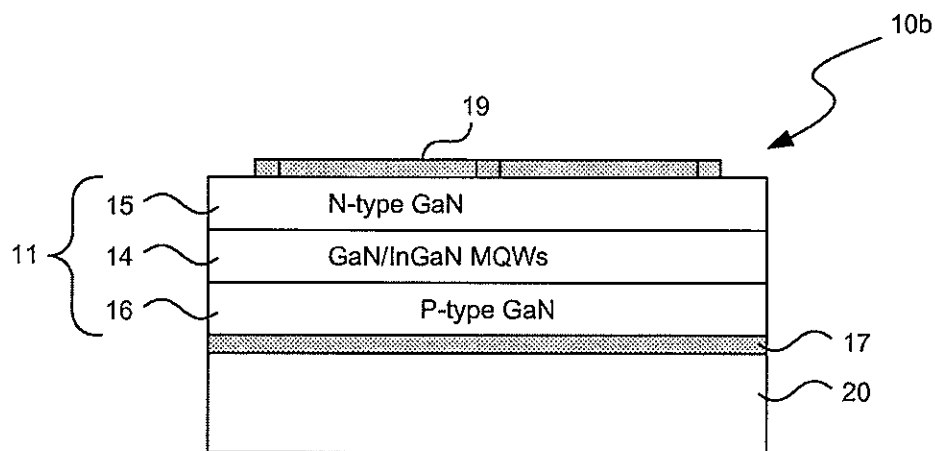
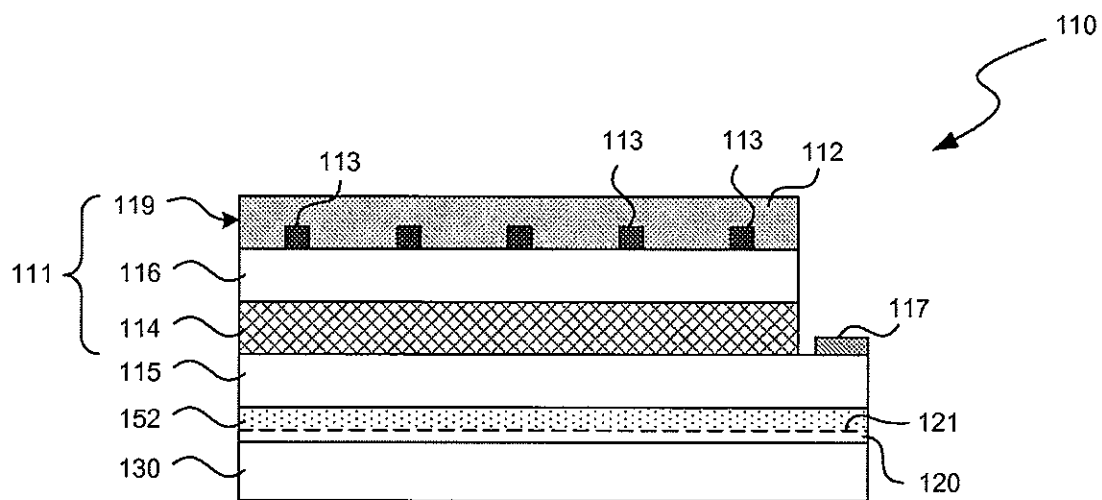
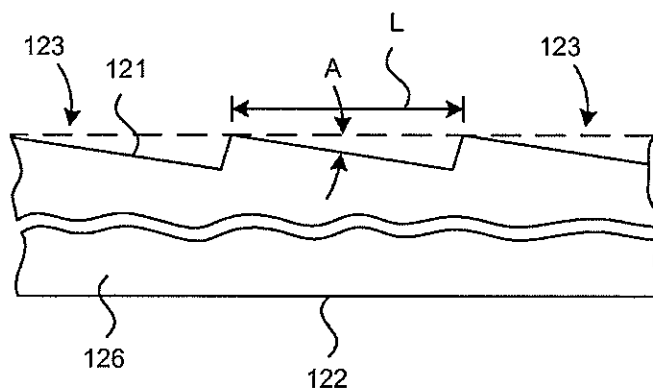
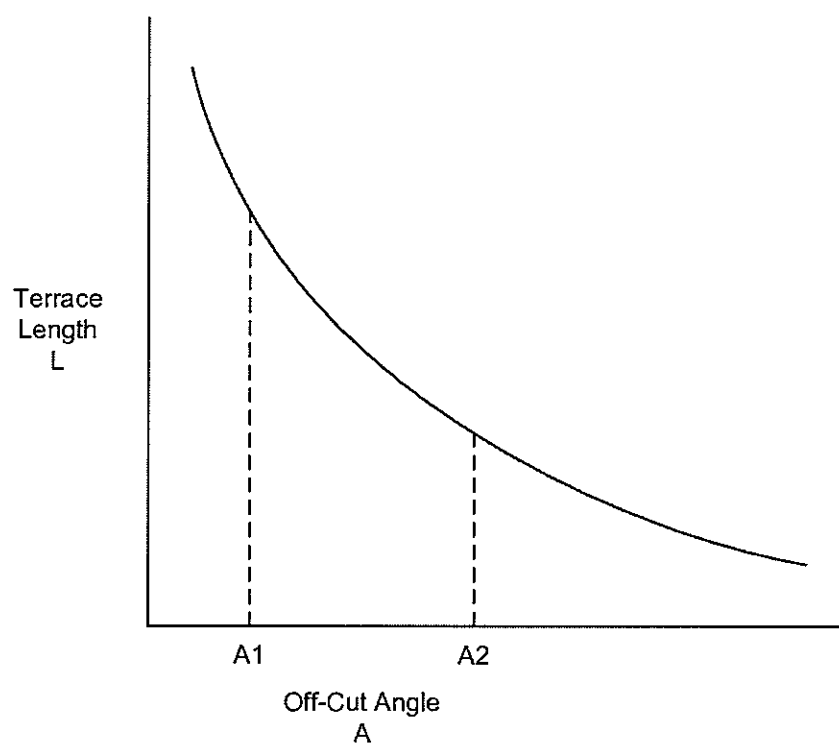


FIG. 1B
(Prior Art)

**FIG. 2A****FIG. 2B**

**FIG. 2C**

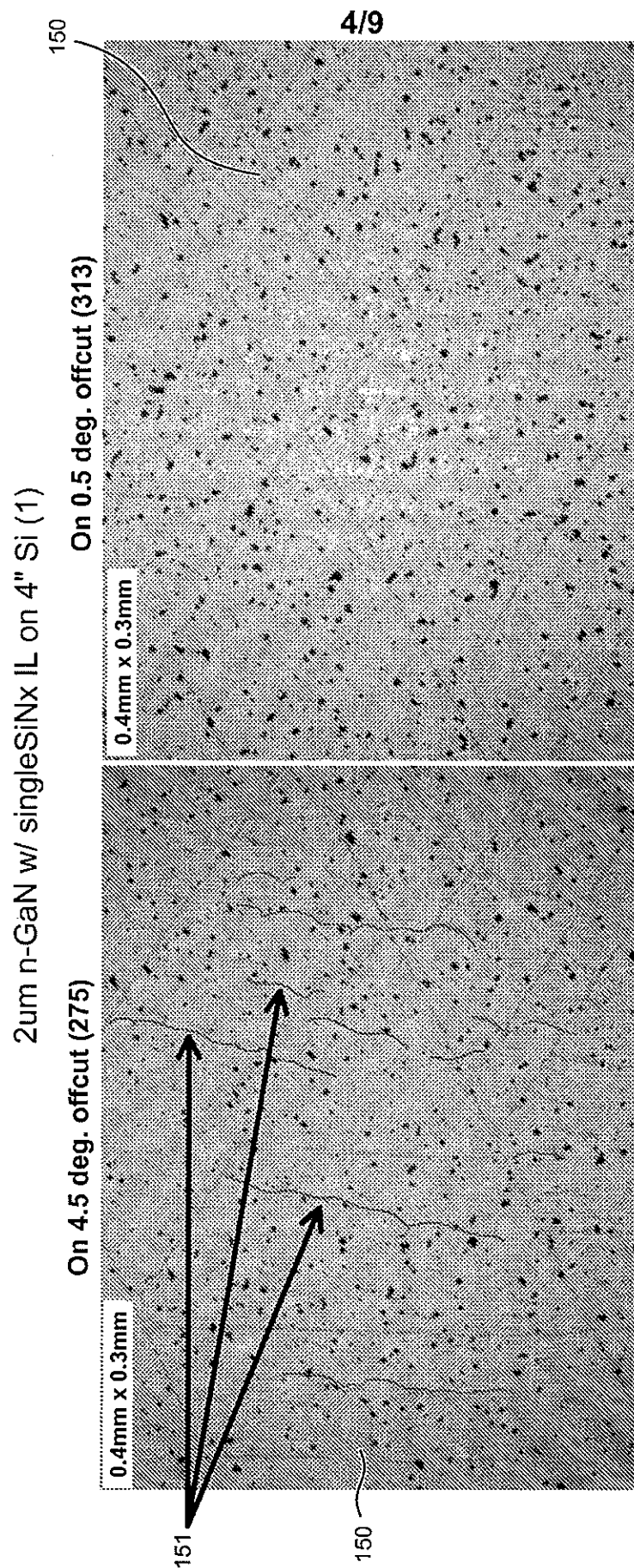


FIG. 3B

FIG. 3A

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2um n-GaN w/ singleSiNx IL on 4" Si (2)

On 4.5 deg. offcut (275)

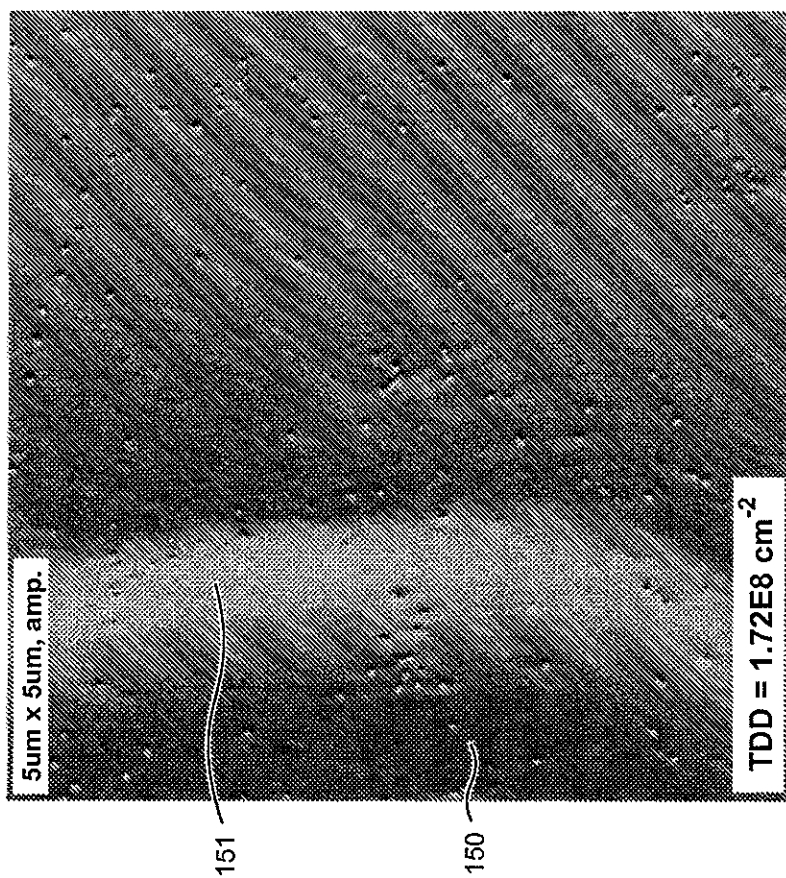


FIG. 4A

On 0.5 deg. offcut (313)

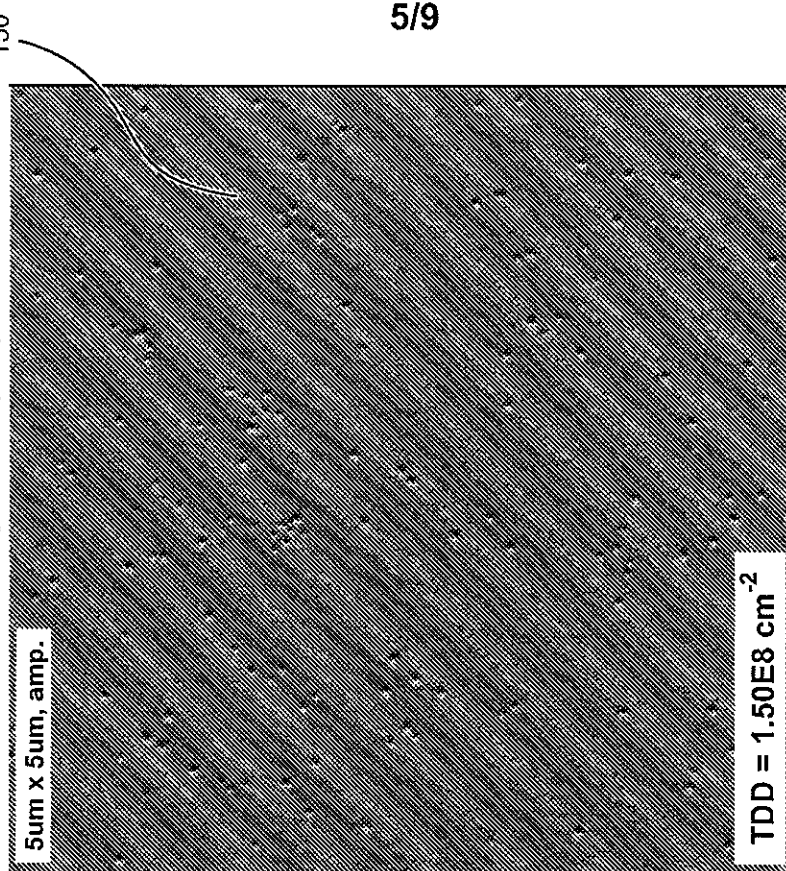
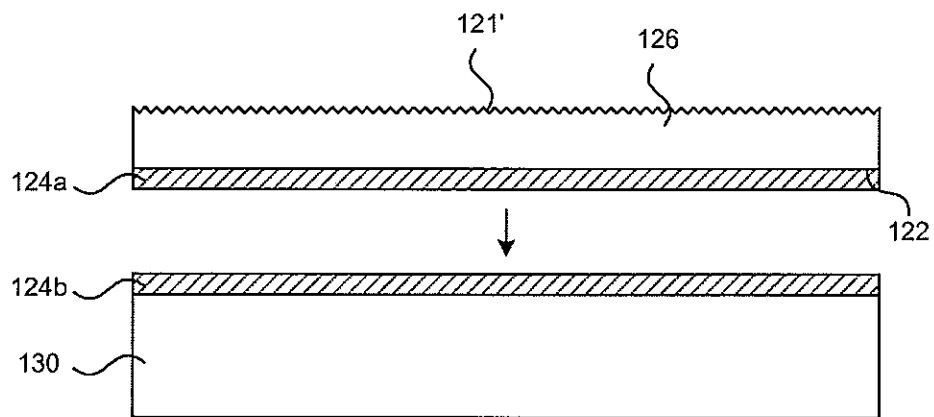
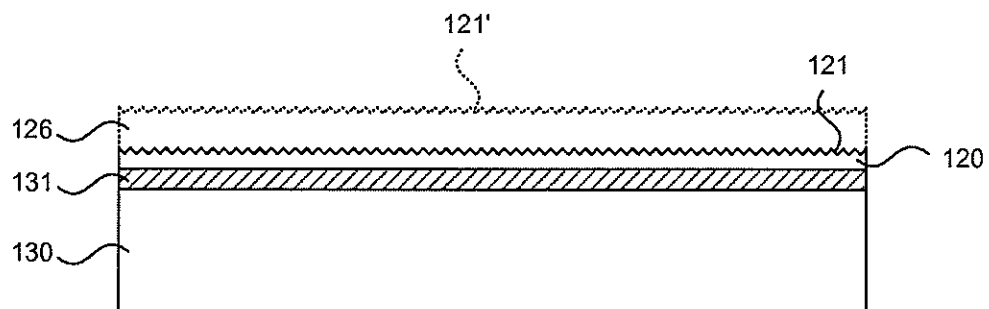
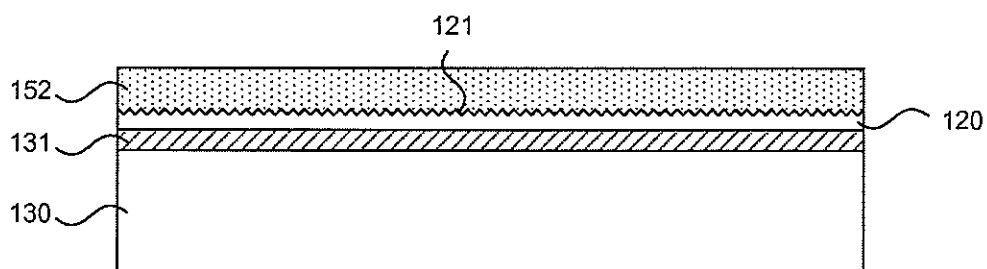
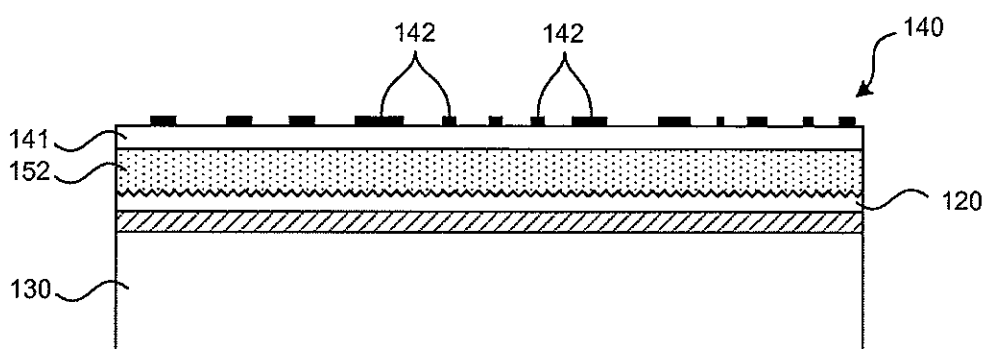
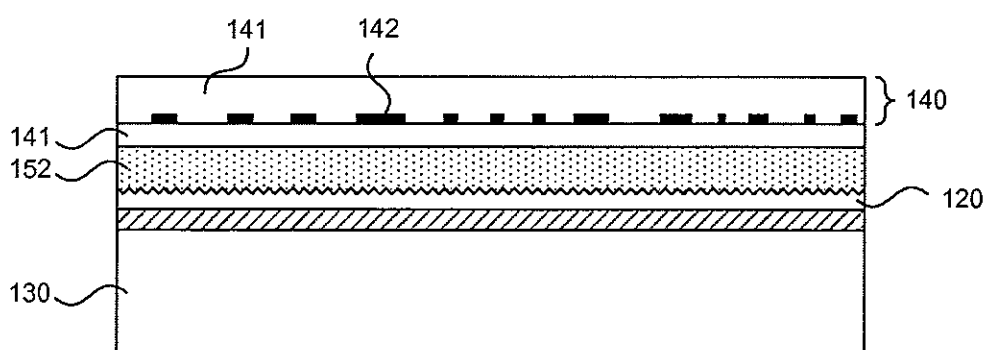


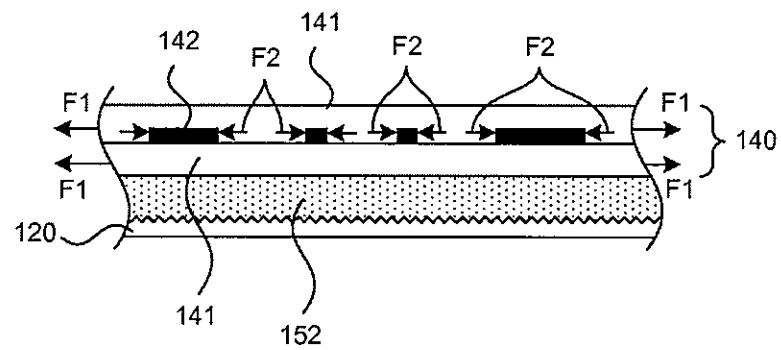
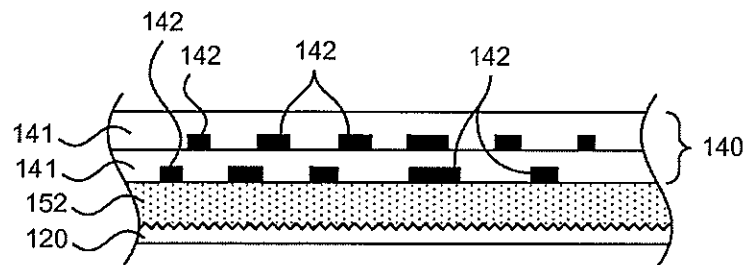
FIG. 4B

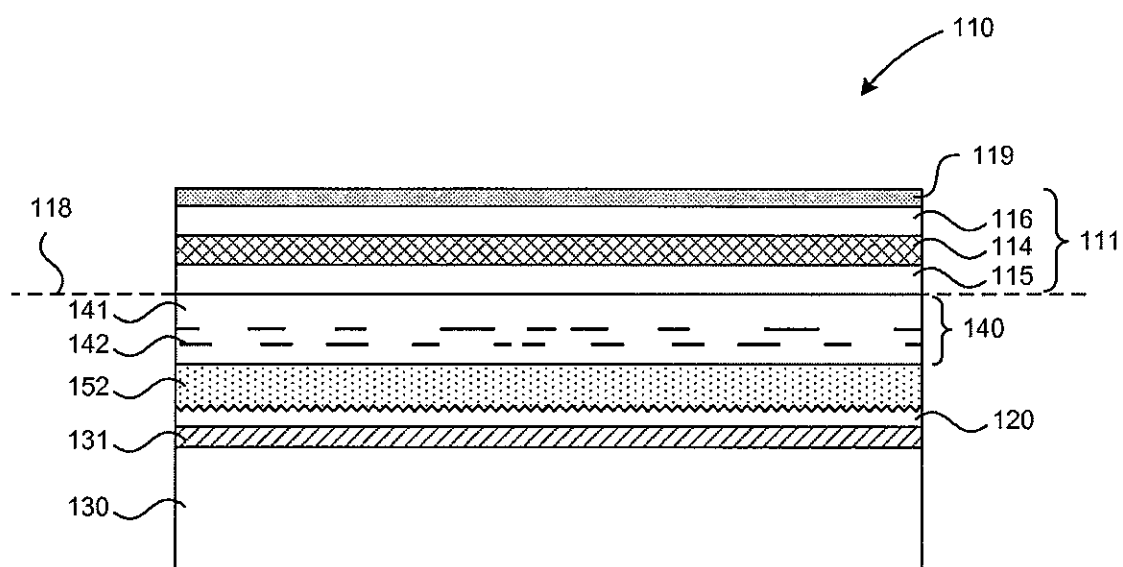
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**FIG. 5A****FIG. 5B**

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**FIG. 5C****FIG. 5D****FIG. 5E**

**FIG. 6A****FIG. 6B**

**FIG. 7**