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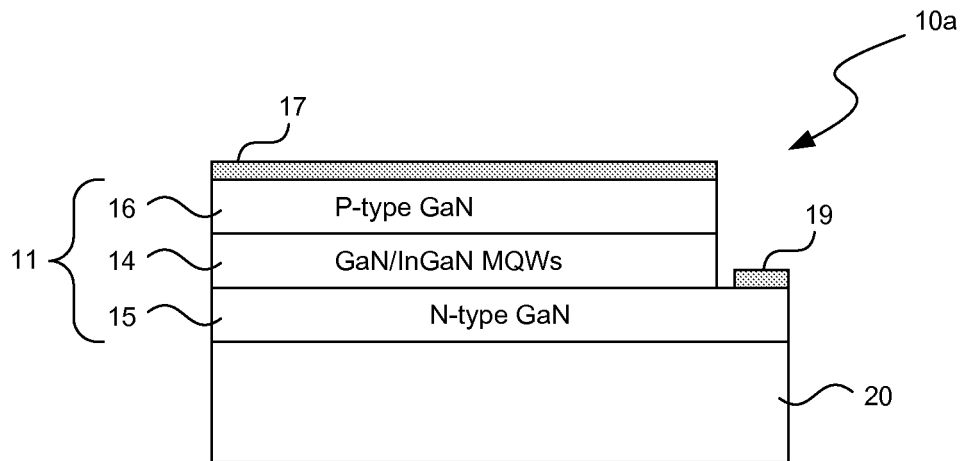


FIG. 1A
(Prior Art)

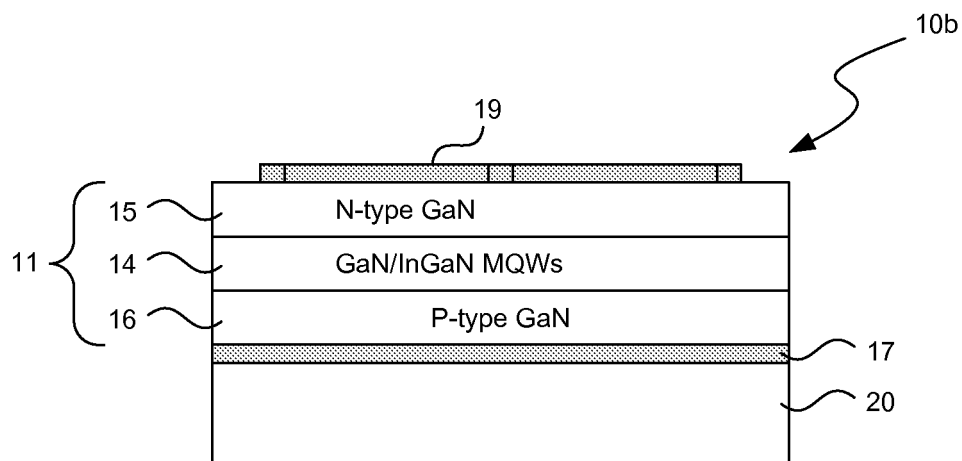


FIG. 1B
(Prior Art)

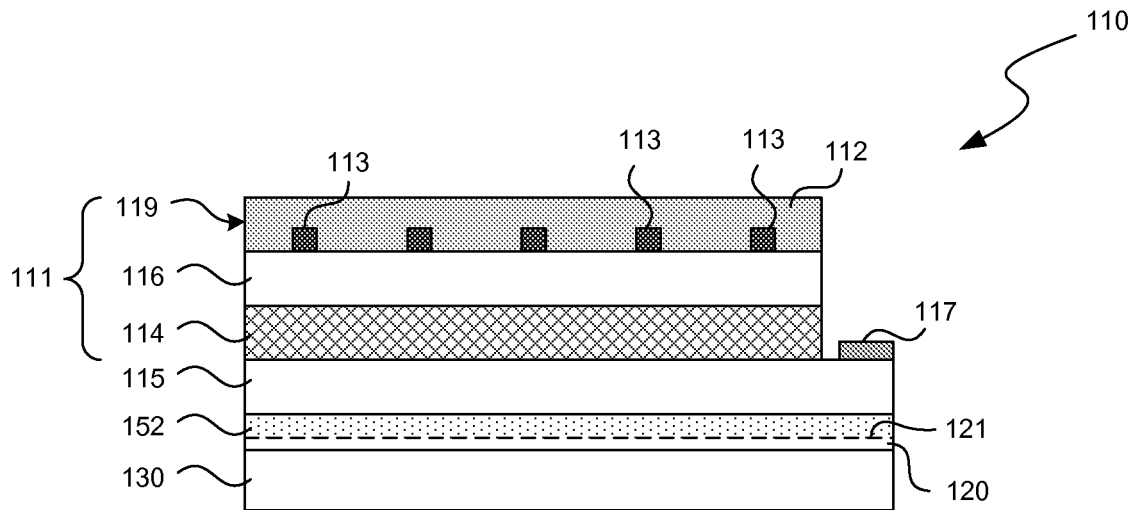


FIG. 2A

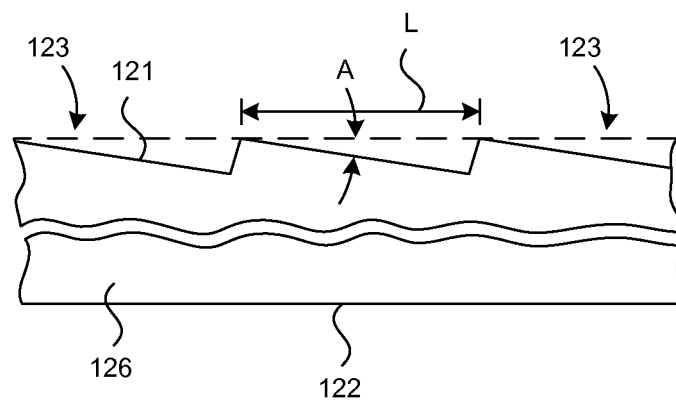
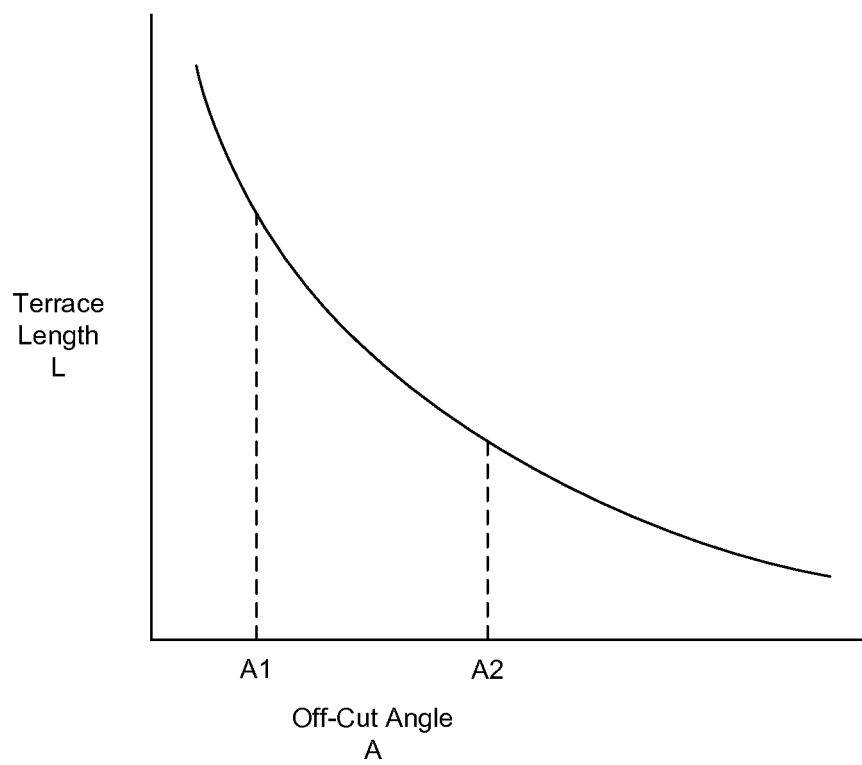


FIG. 2B

***FIG. 2C***

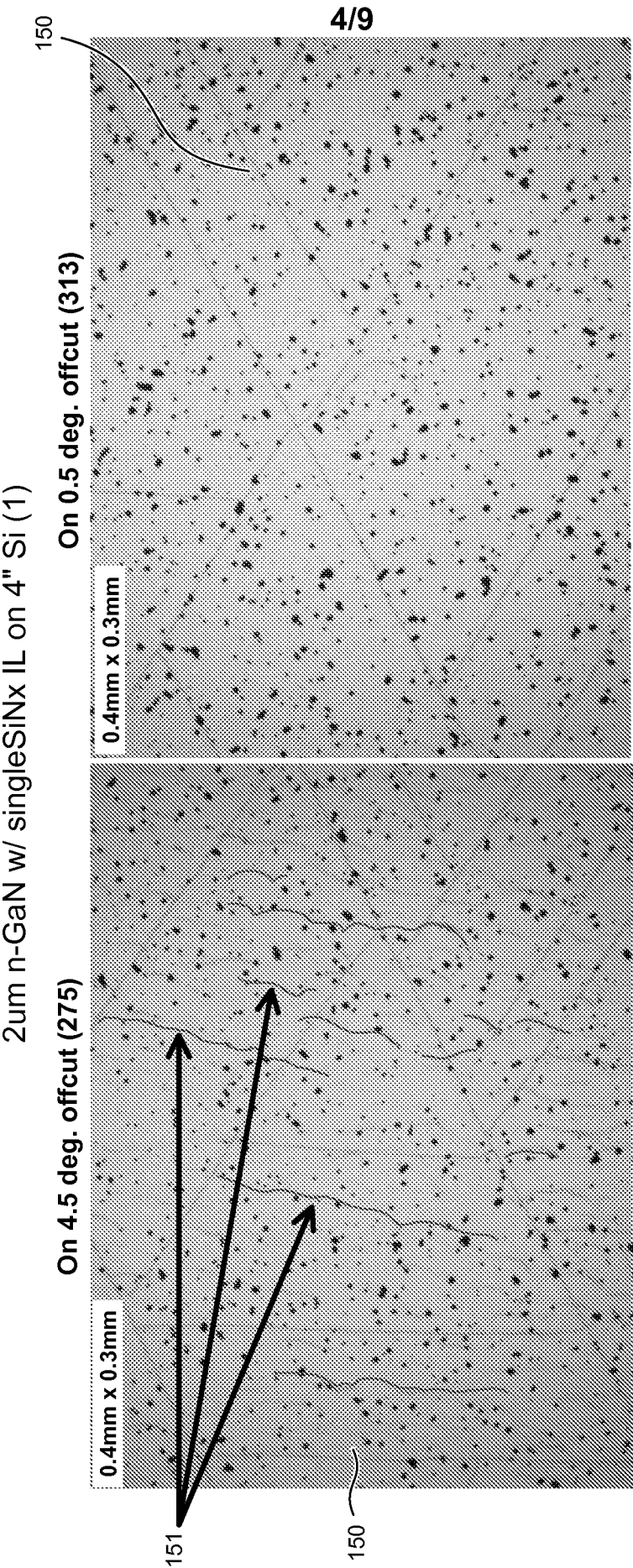


FIG. 3B

FIG. 3A

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

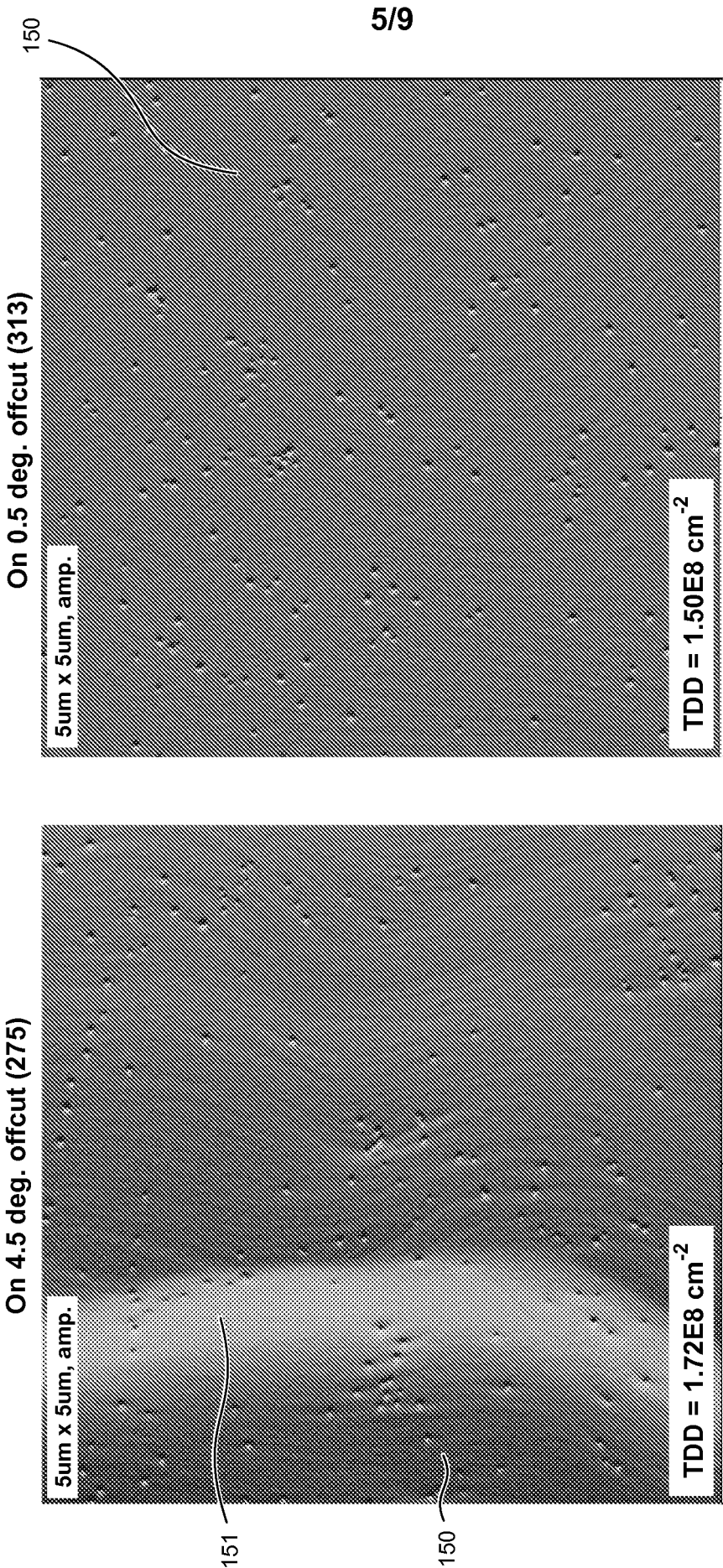


FIG. 4B

FIG. 4A

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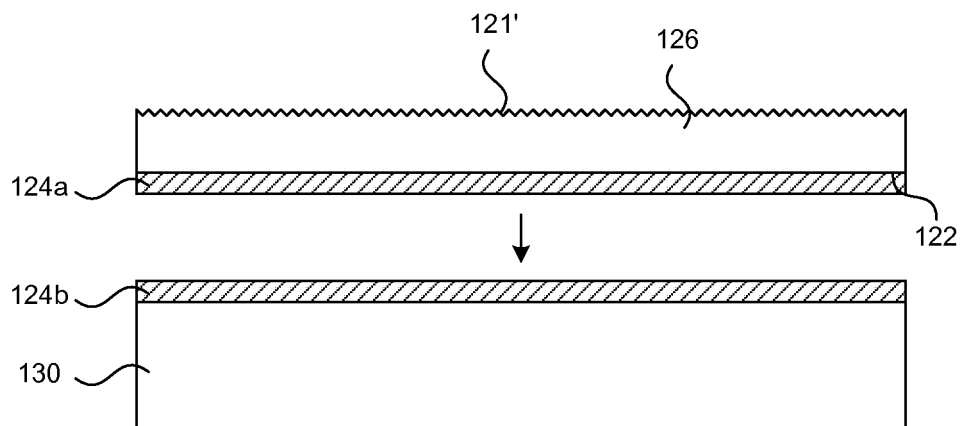


FIG. 5A

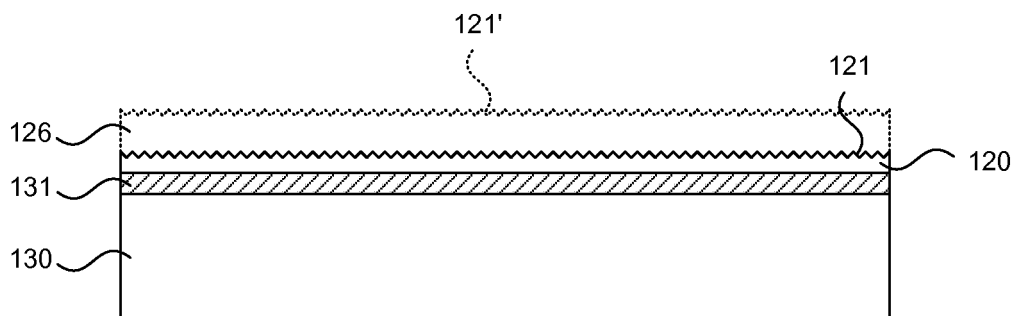
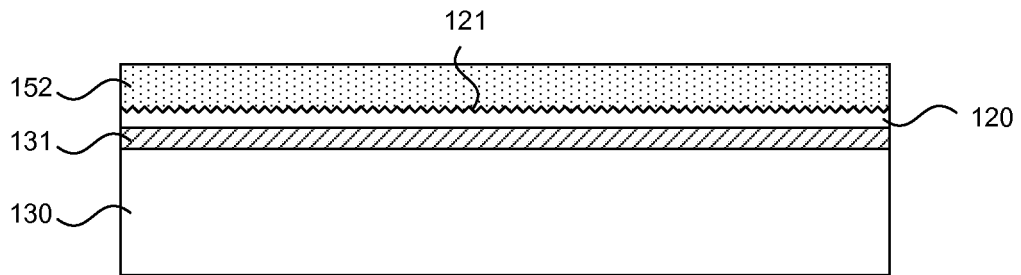
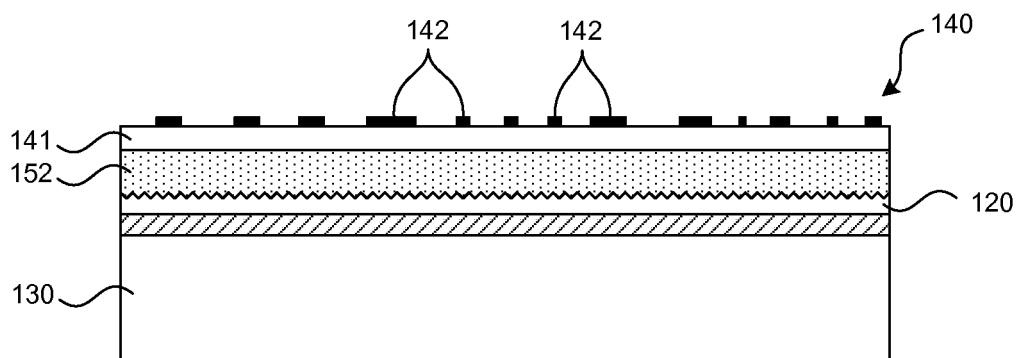
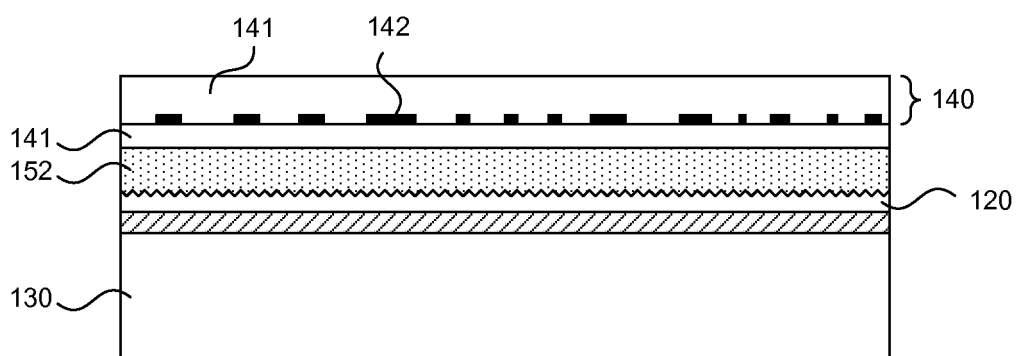
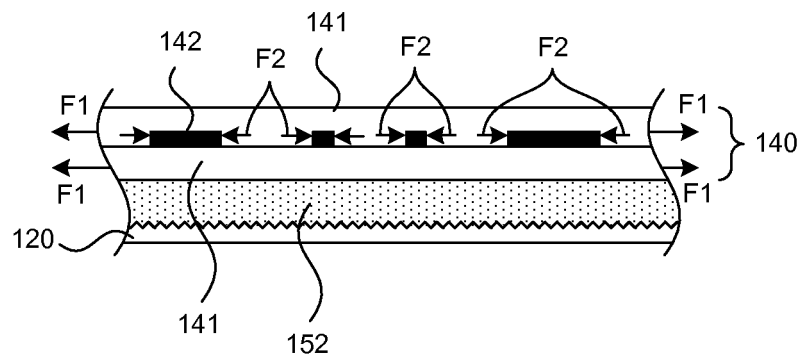
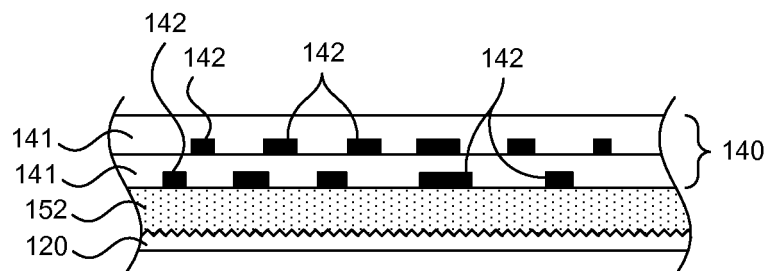
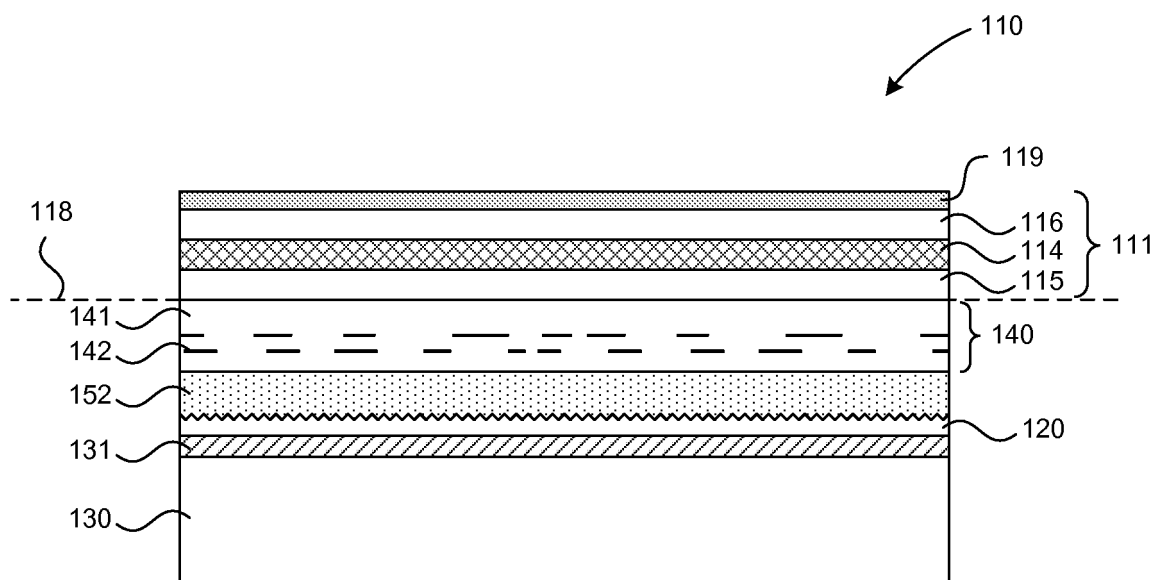


FIG. 5B

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

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

**FIG. 7**