

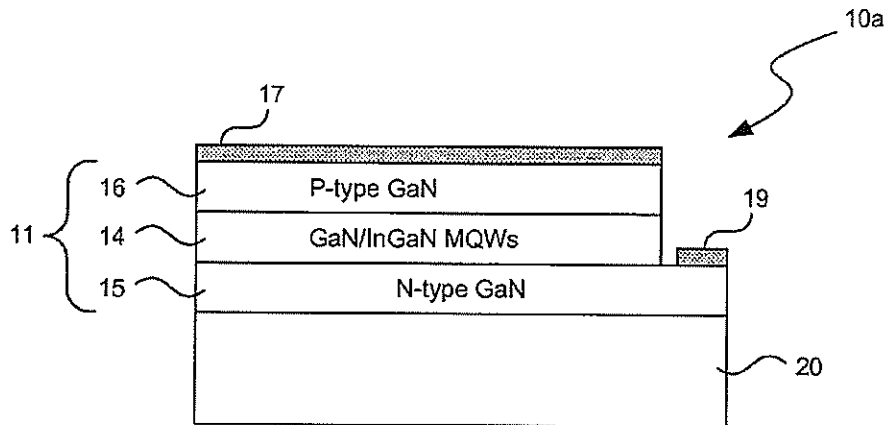


FIG. 1A
(Prior Art)

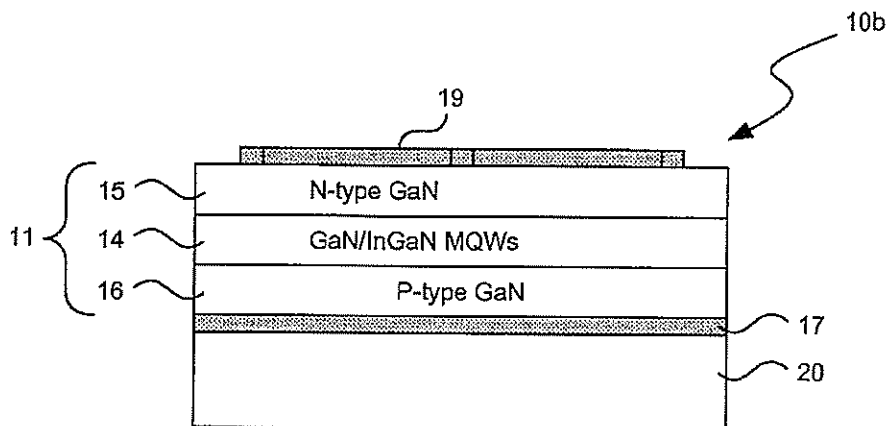


FIG. 1B
(Prior Art)

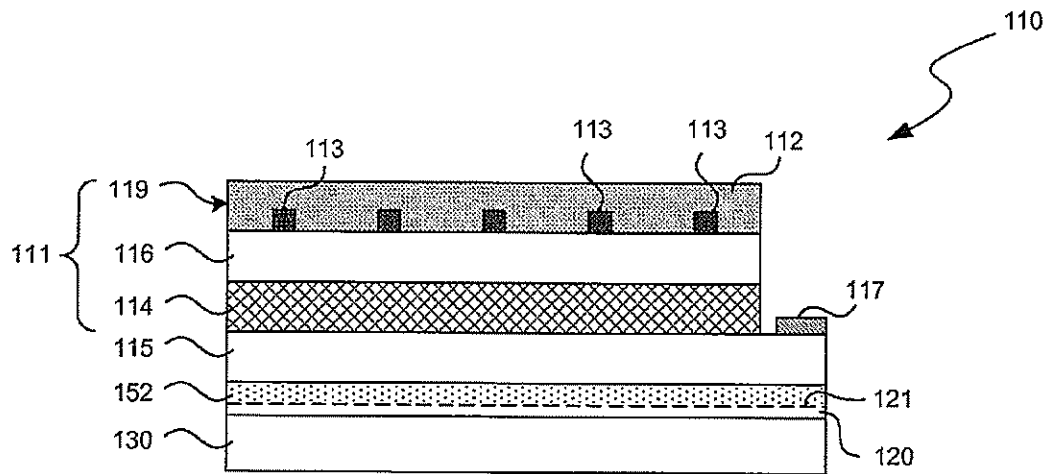


FIG. 2A

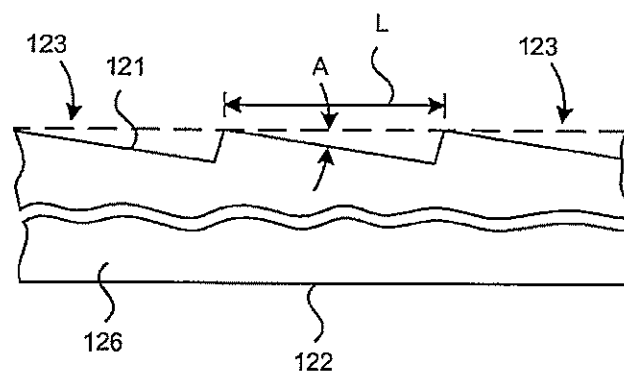
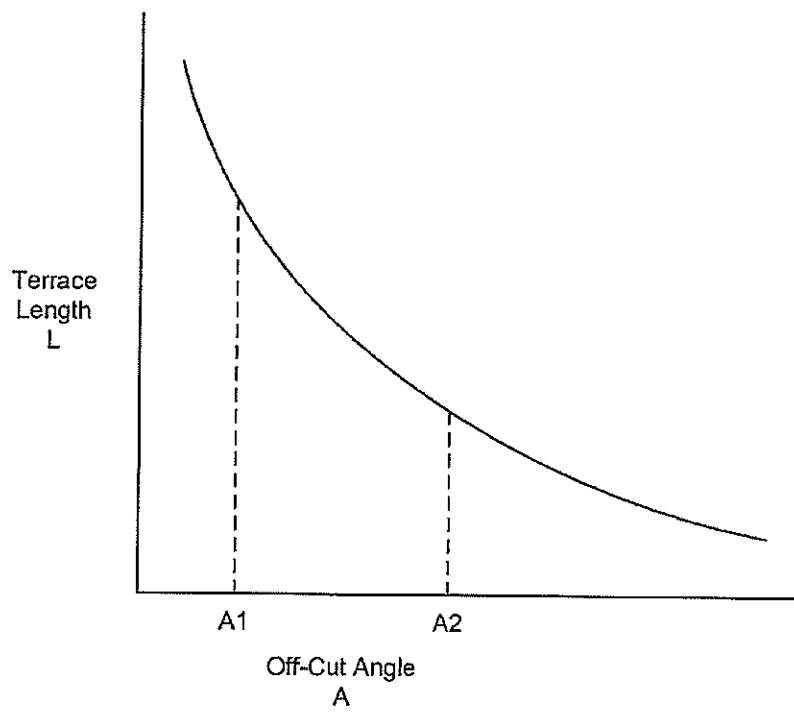


FIG. 2B

**FIG. 2C**

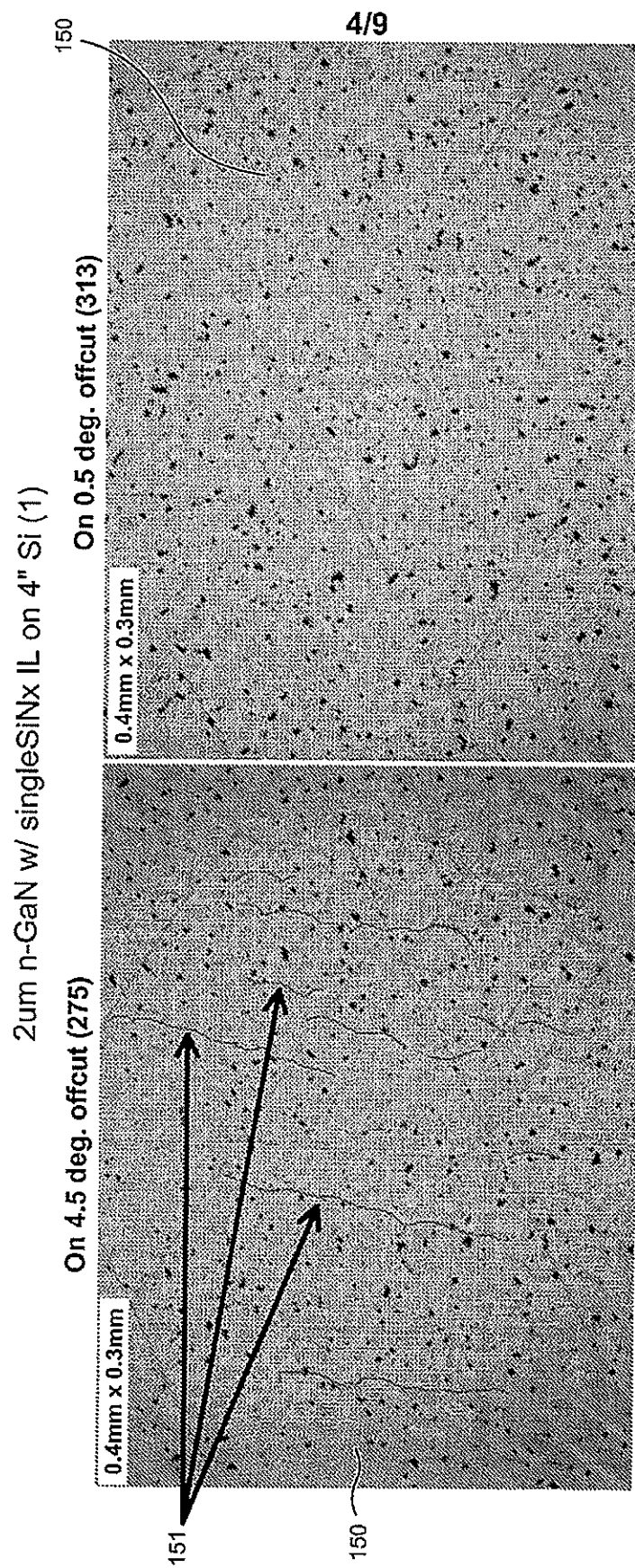


FIG. 3A

FIG. 3B

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

On 4.5 deg. offcut (275)

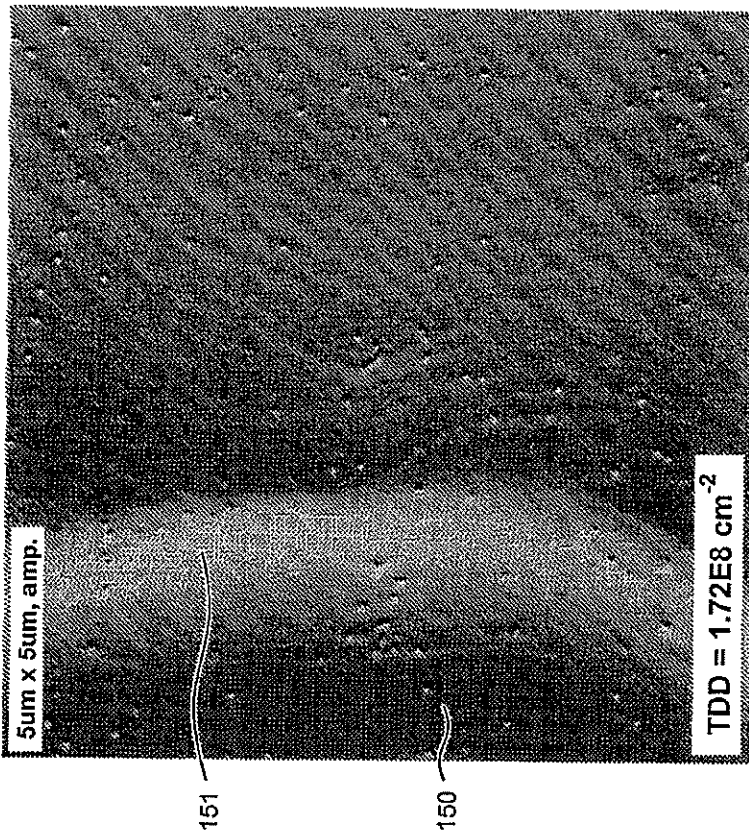


FIG. 4A

On 0.5 deg. offcut (313)

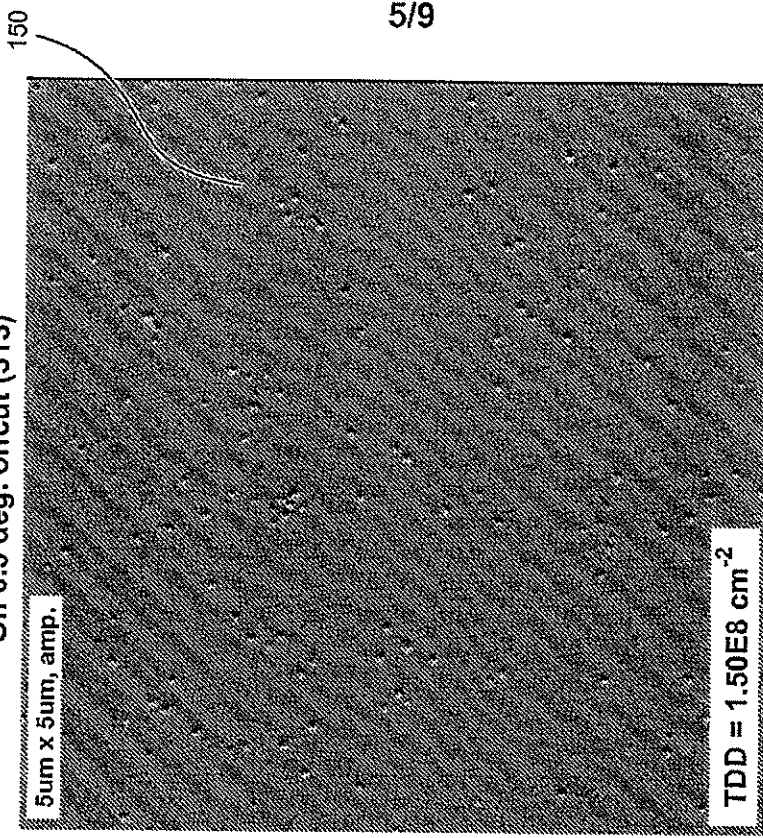
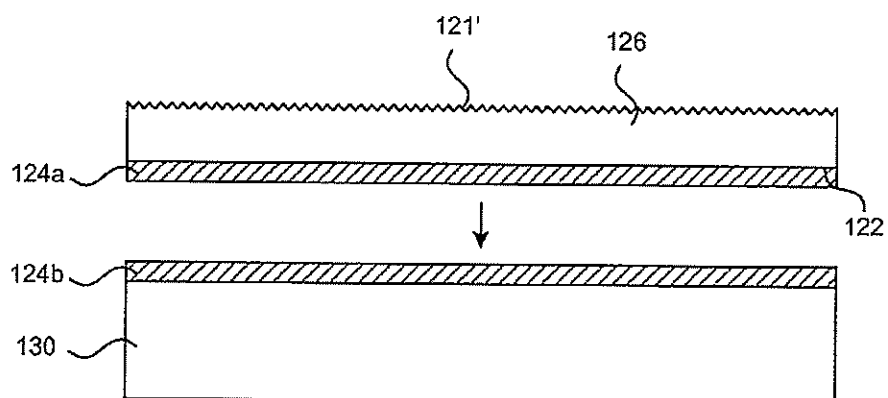
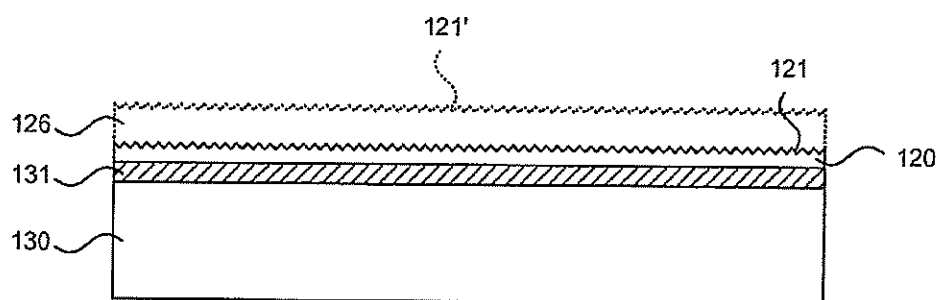


FIG. 4B

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

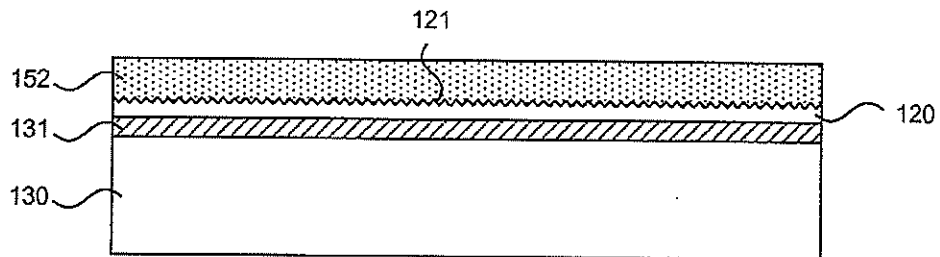


FIG. 5C

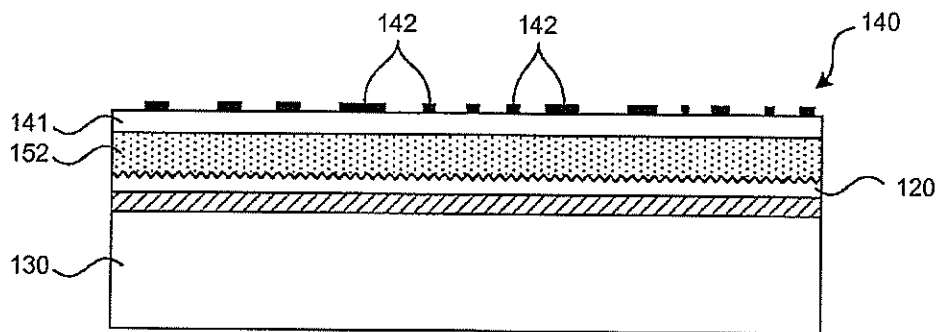


FIG. 5D

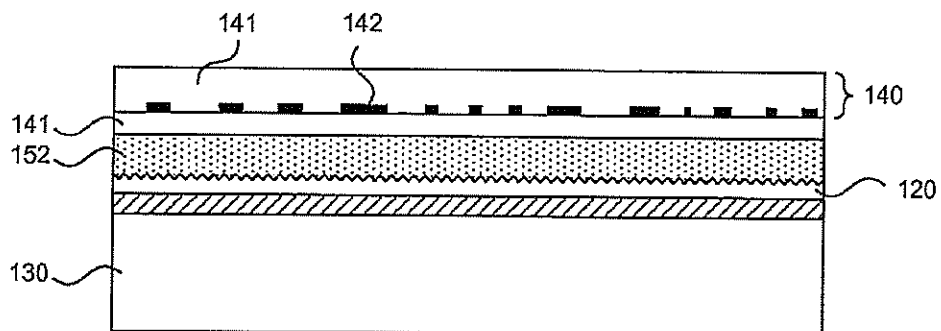
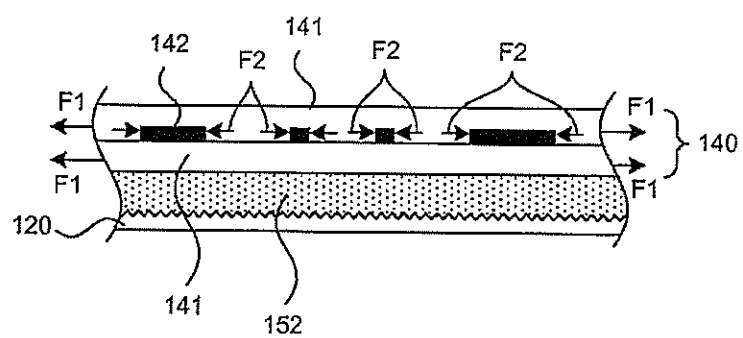
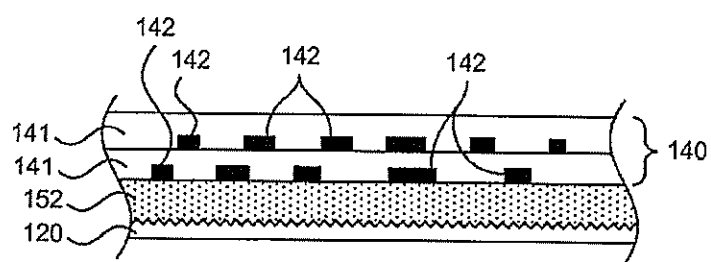
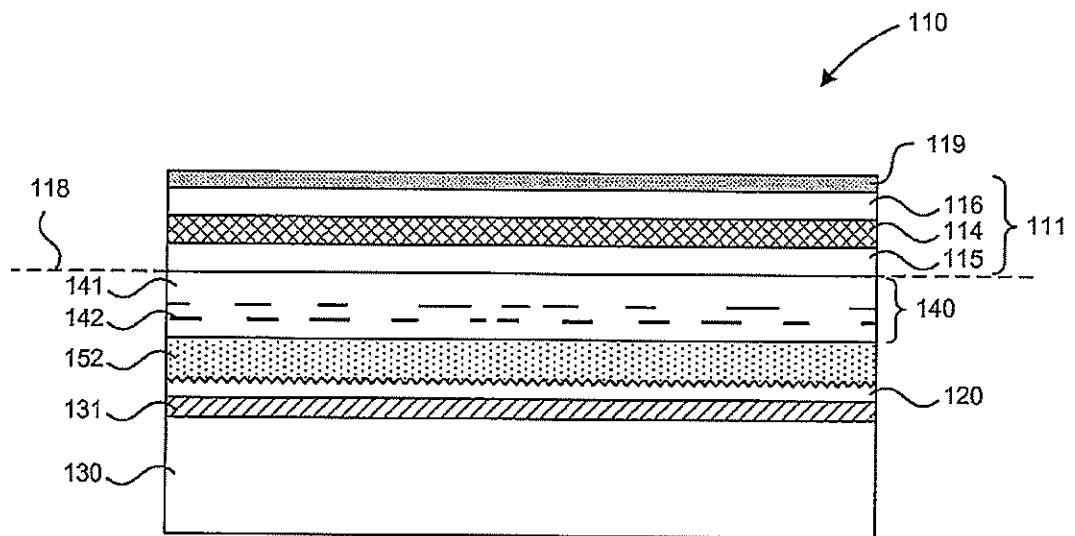


FIG. 5E

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

**FIG. 7**