

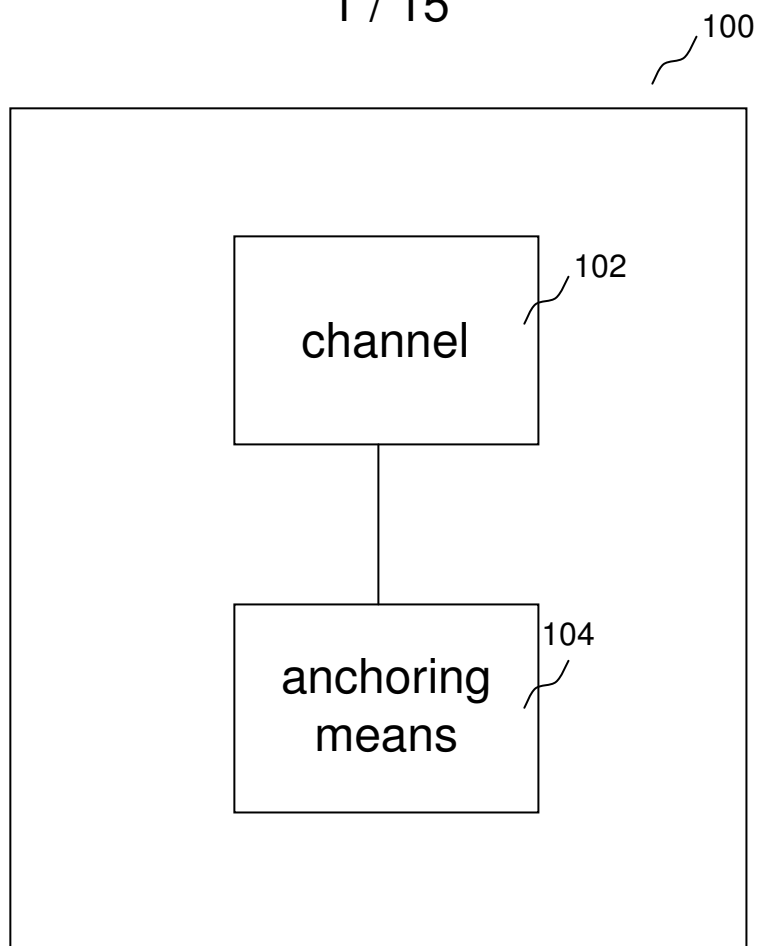


FIG. 1A

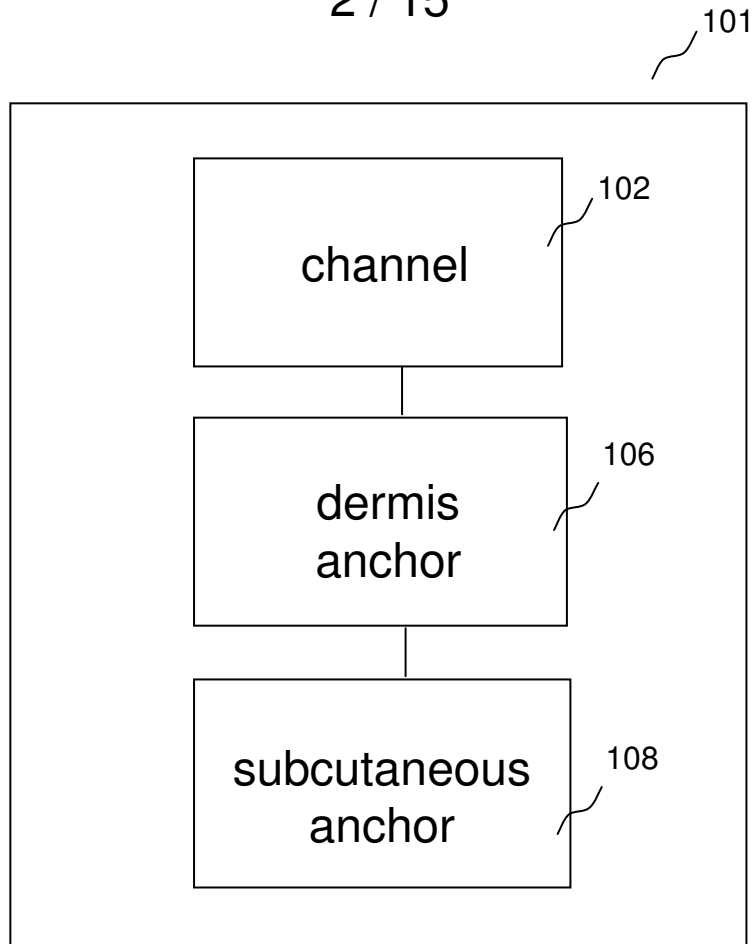


FIG. 1B

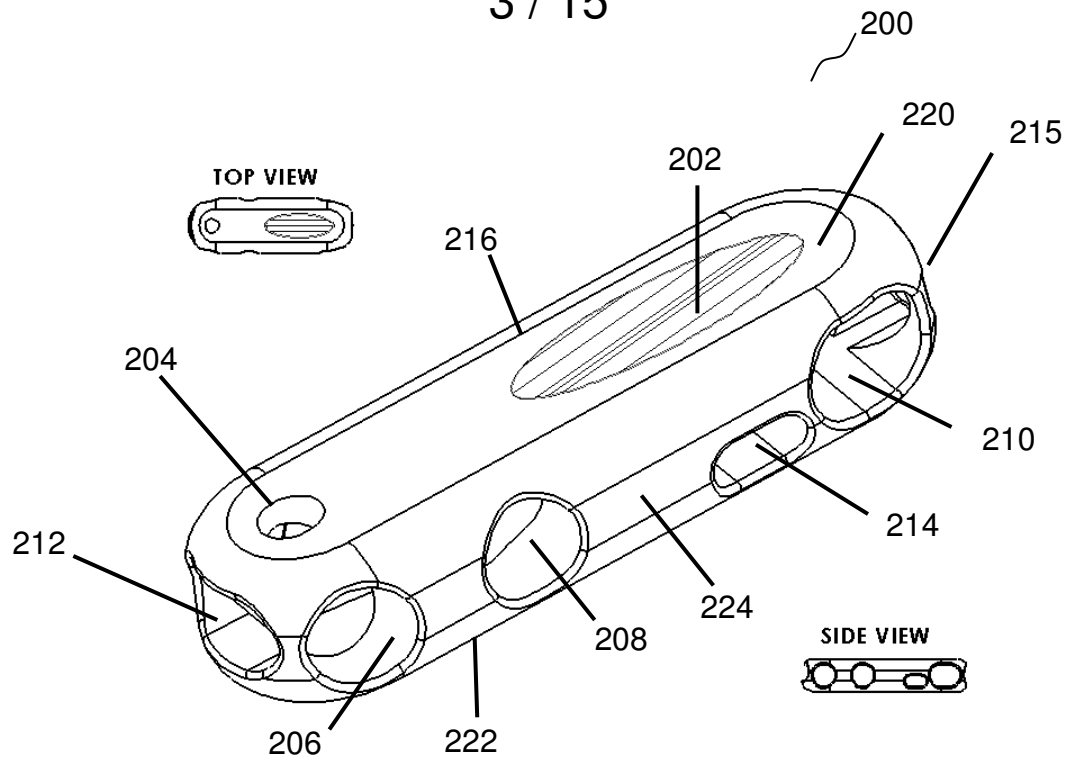


FIG. 2A

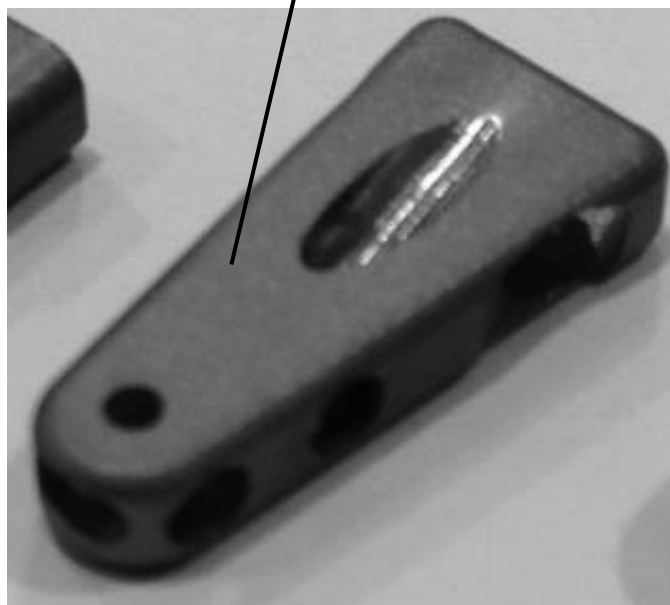
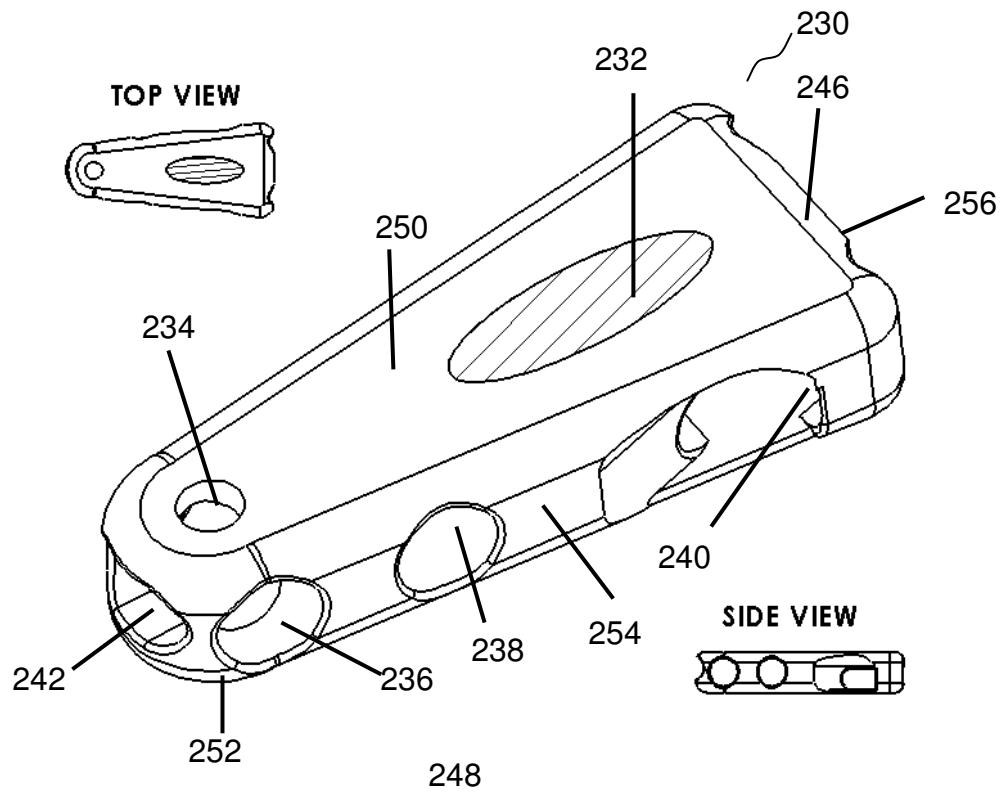


FIG. 2B

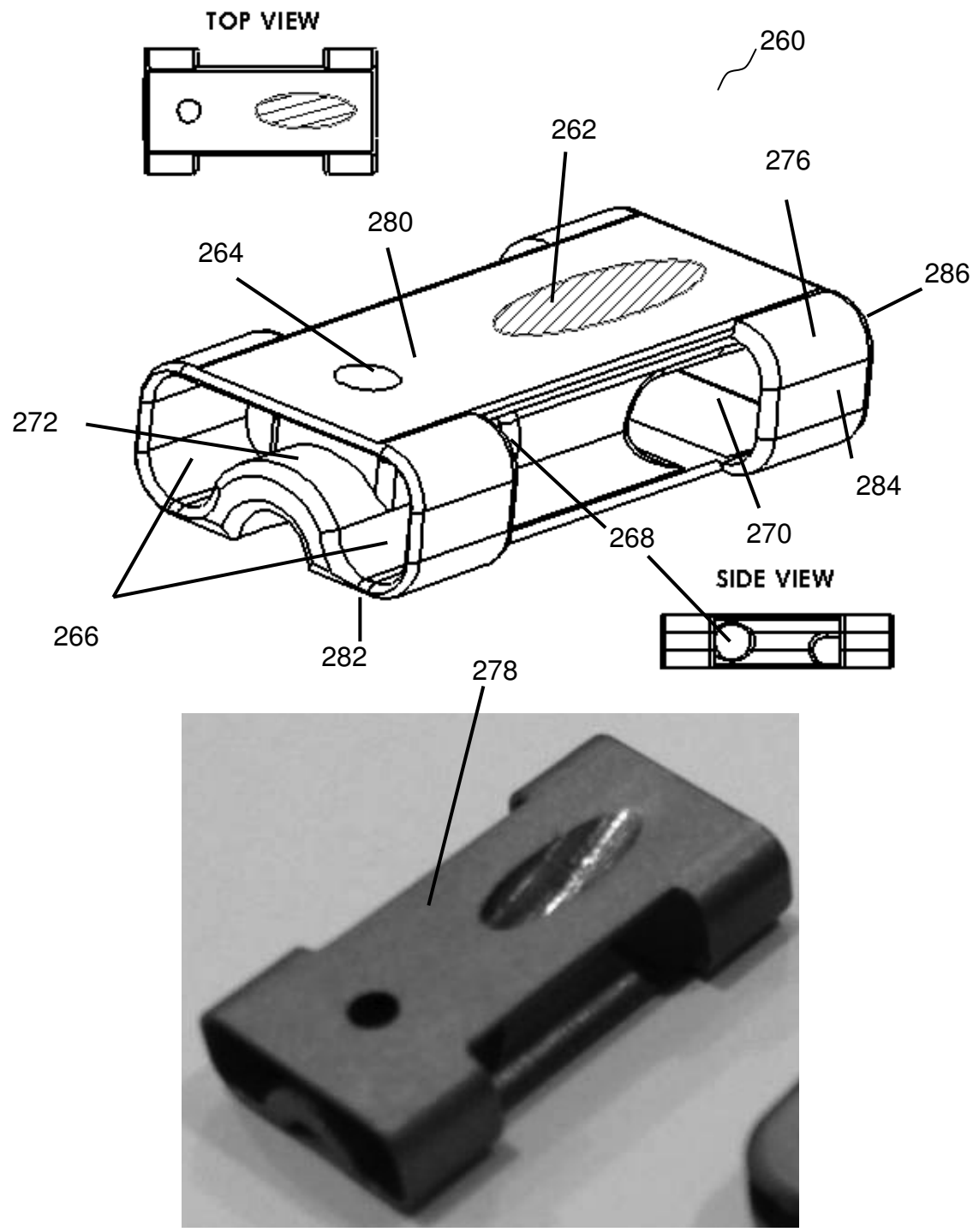
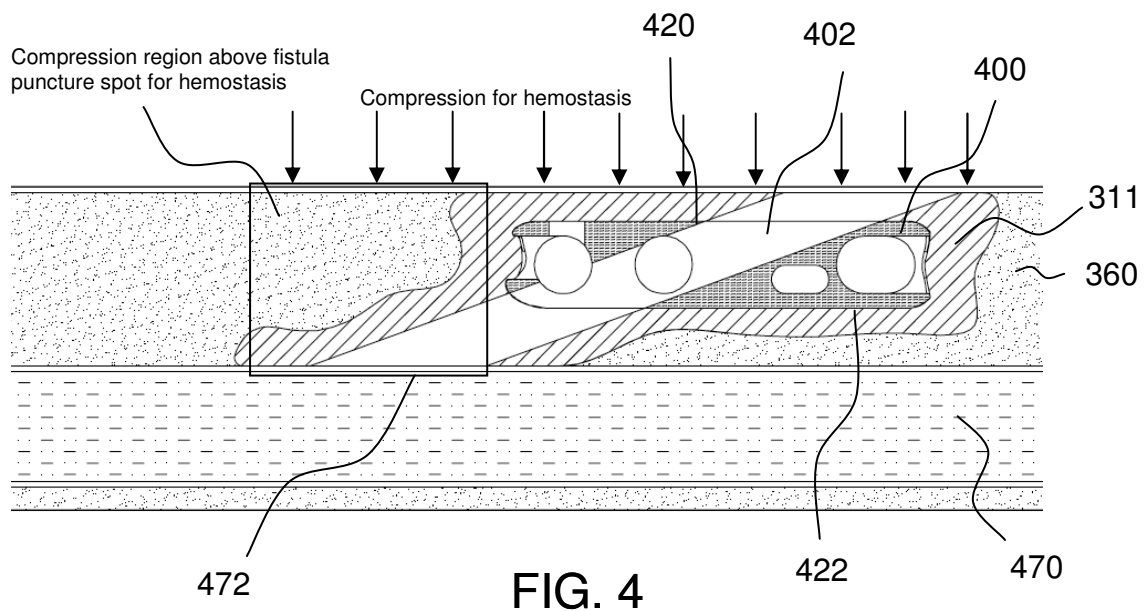
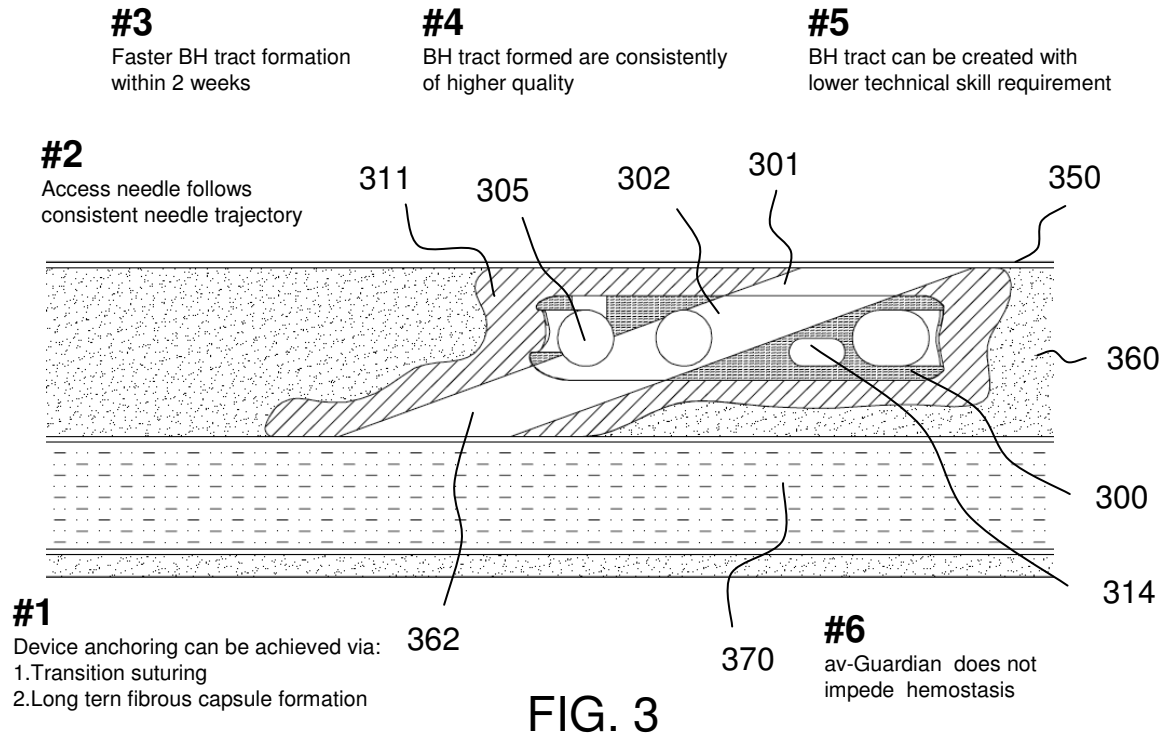


FIG. 2C



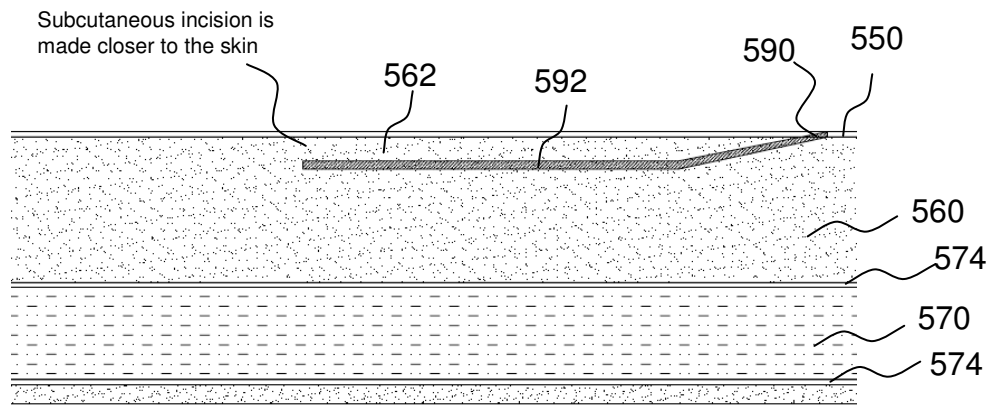


FIG. 5A

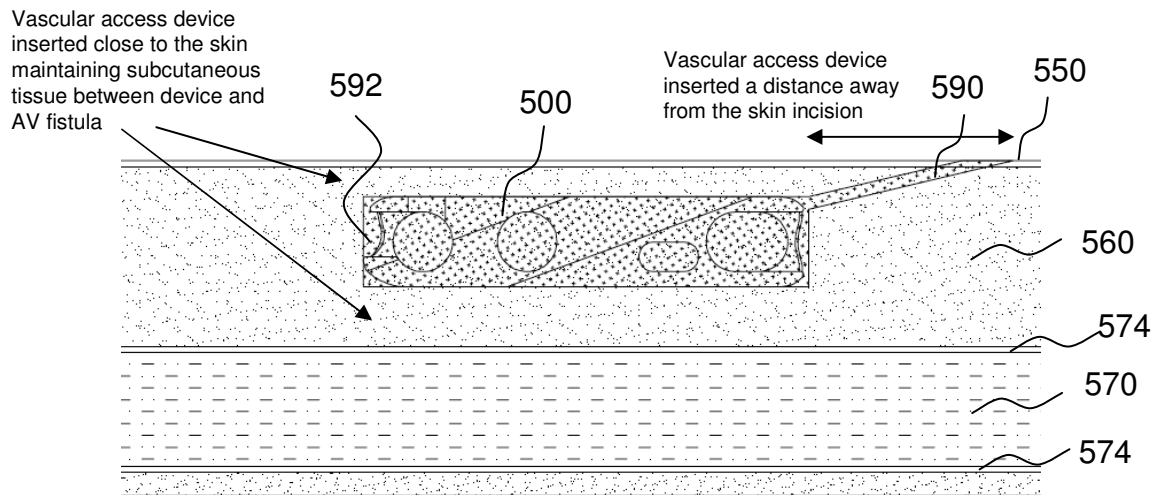


FIG. 5B

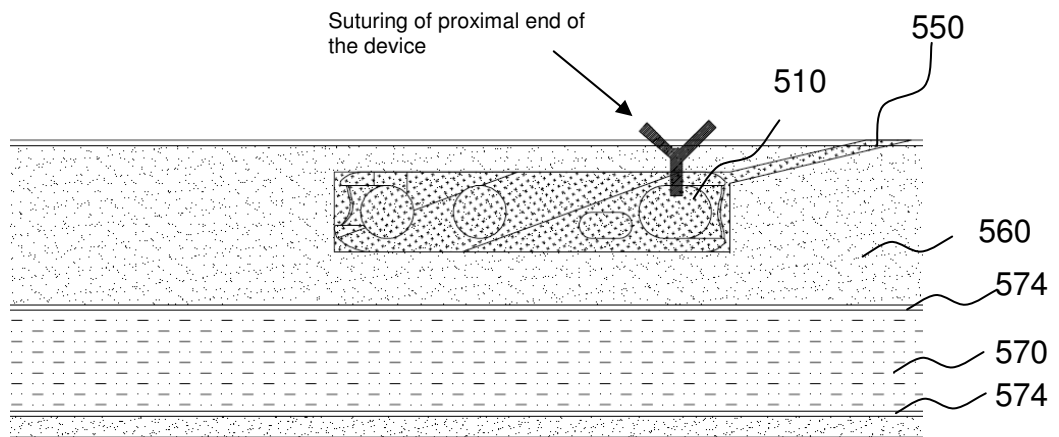


FIG. 5C

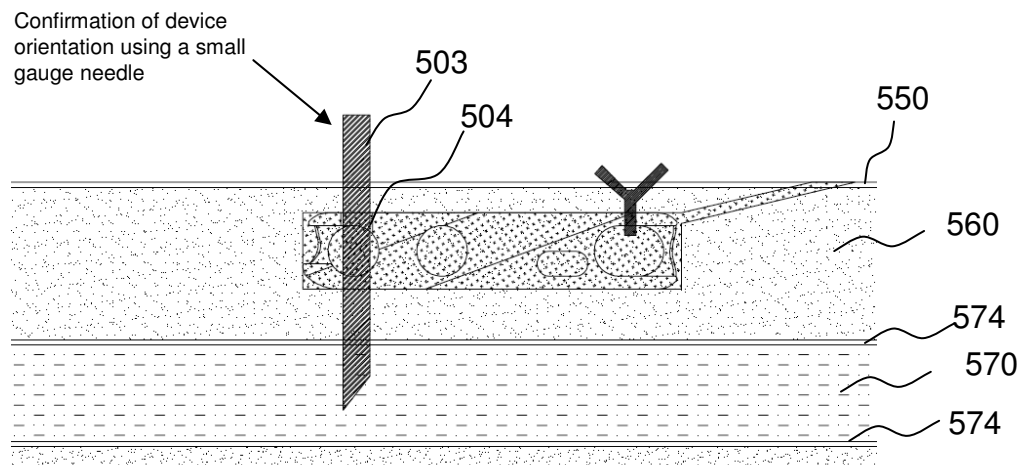


FIG. 5D

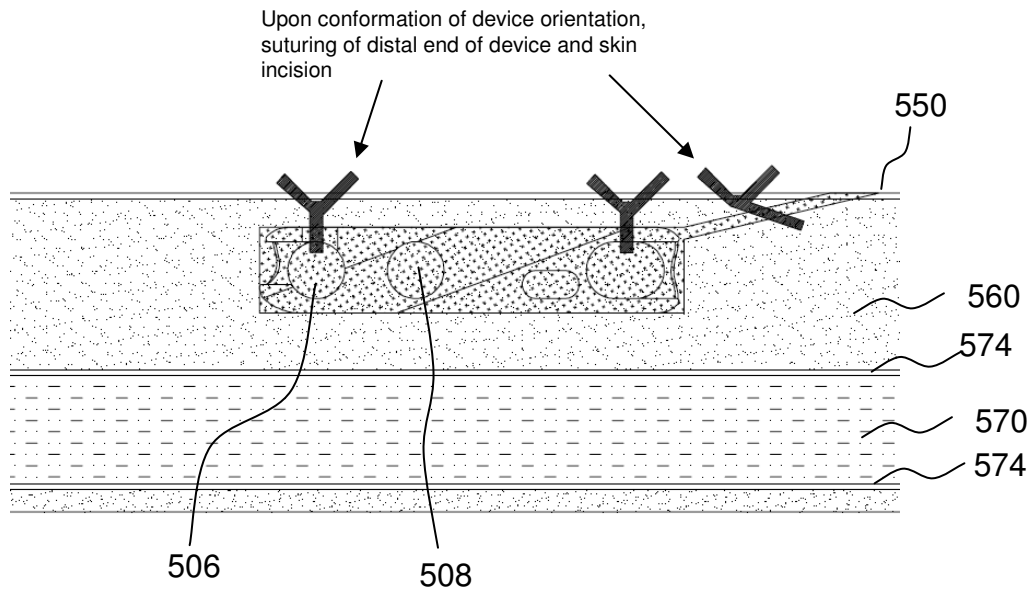
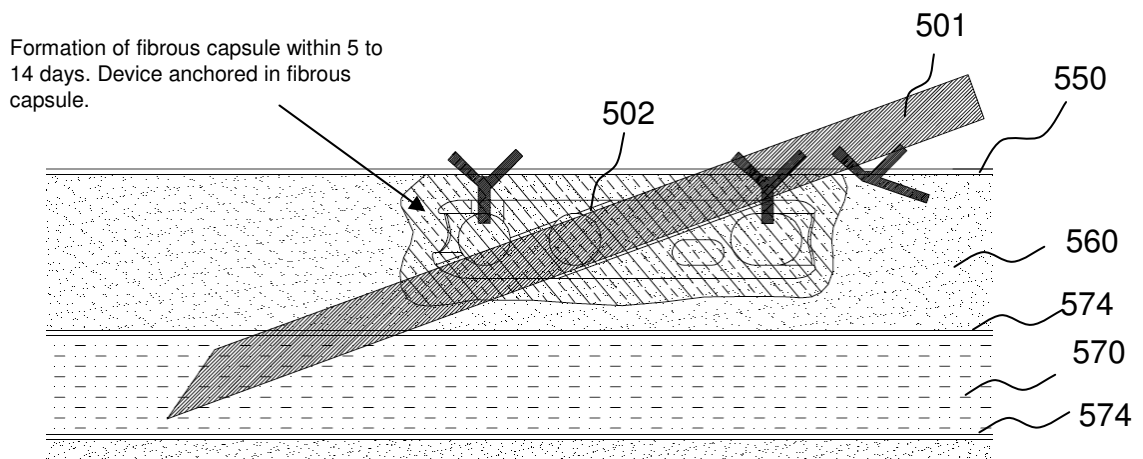


FIG. 5E



Commencement of dialysis after 5 to 14  
days using sharp fistula needle

FIG. 5F

Formation of buttonhole tract between device and fistula wall after 3 to 10 dialysis sessions using sharp fistula needle

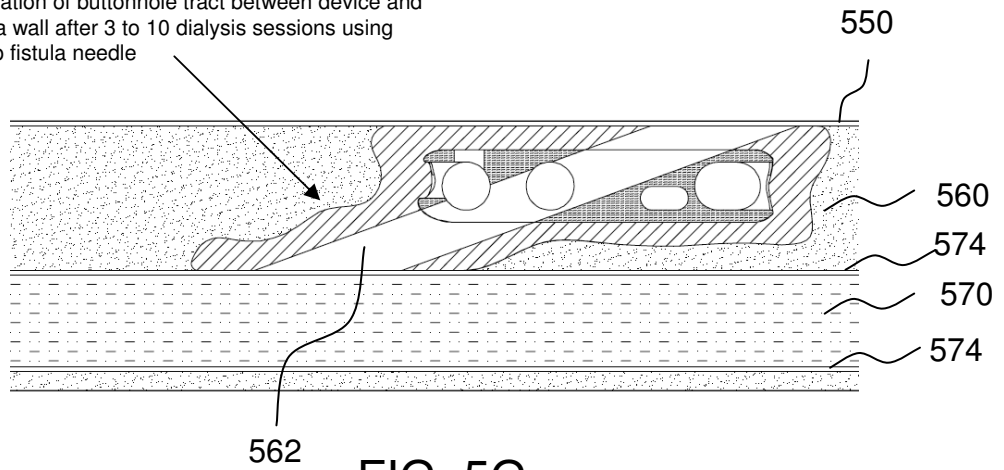


FIG. 5G

Conversion of sharp to blunt needle for dialysis using device enabling vascular access via buttonhole technique

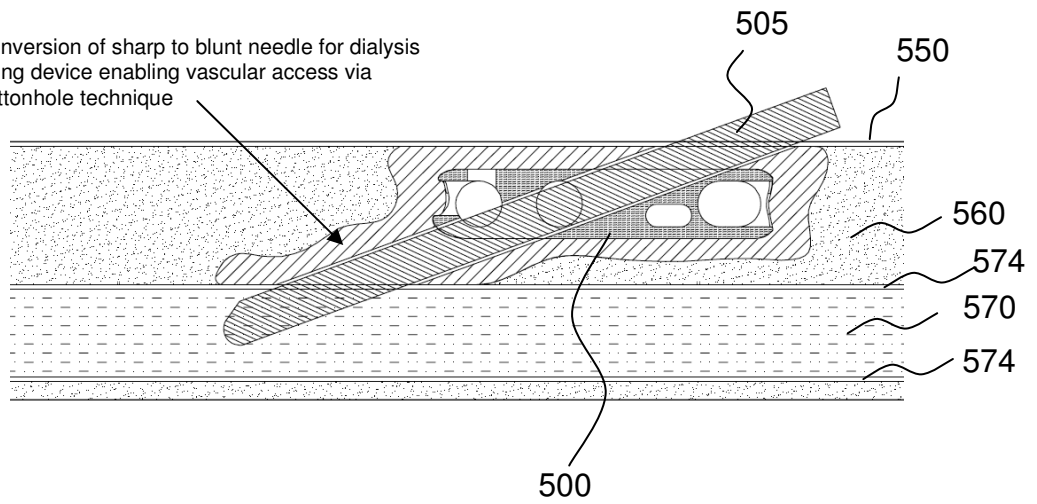


FIG. 5H

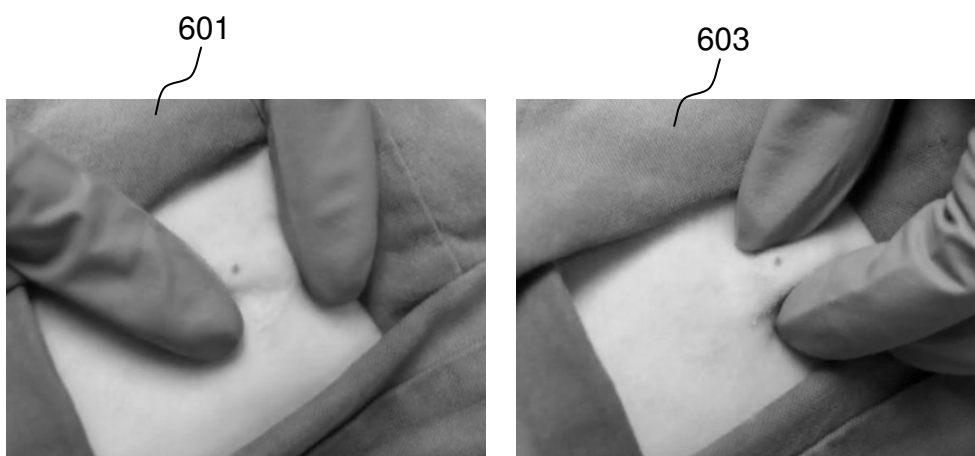


FIG. 6A

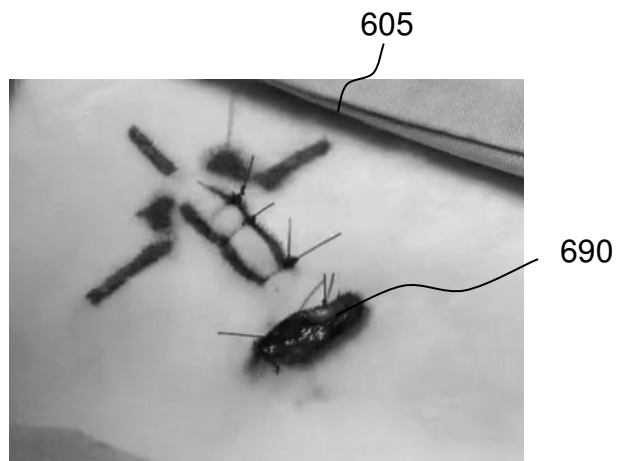


FIG. 6B

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FIG. 6C

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FIG. 6D

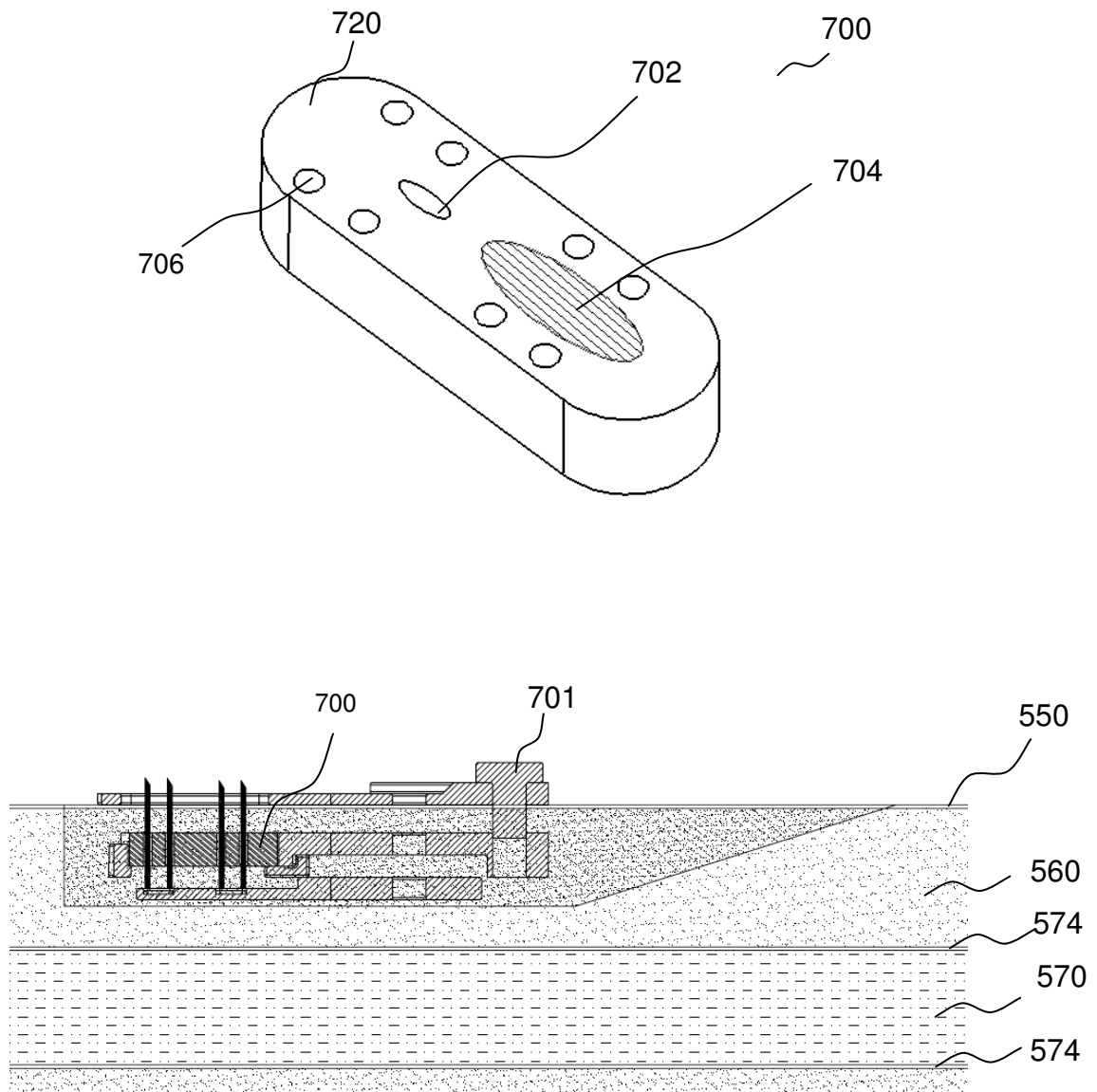


FIG. 7A

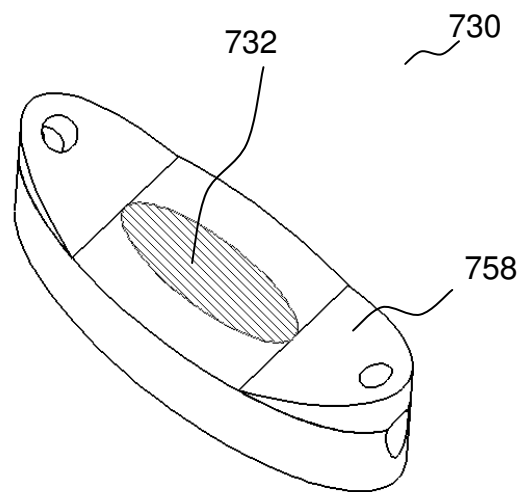


FIG. 7B

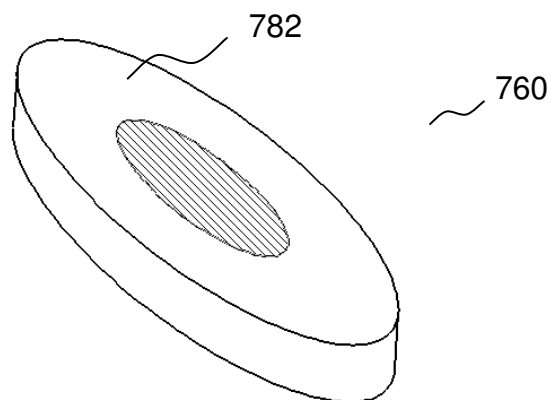


FIG. 7C