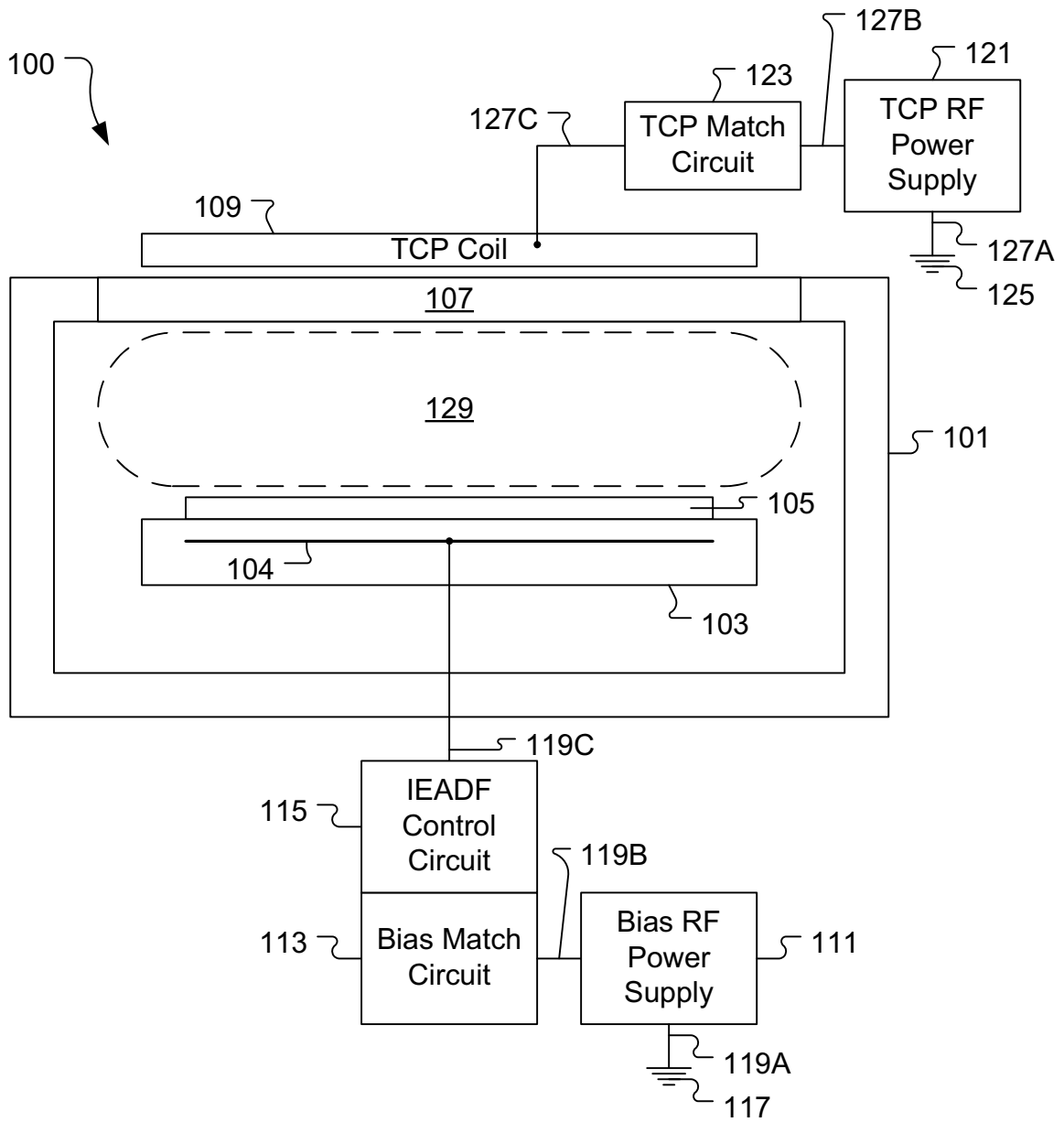
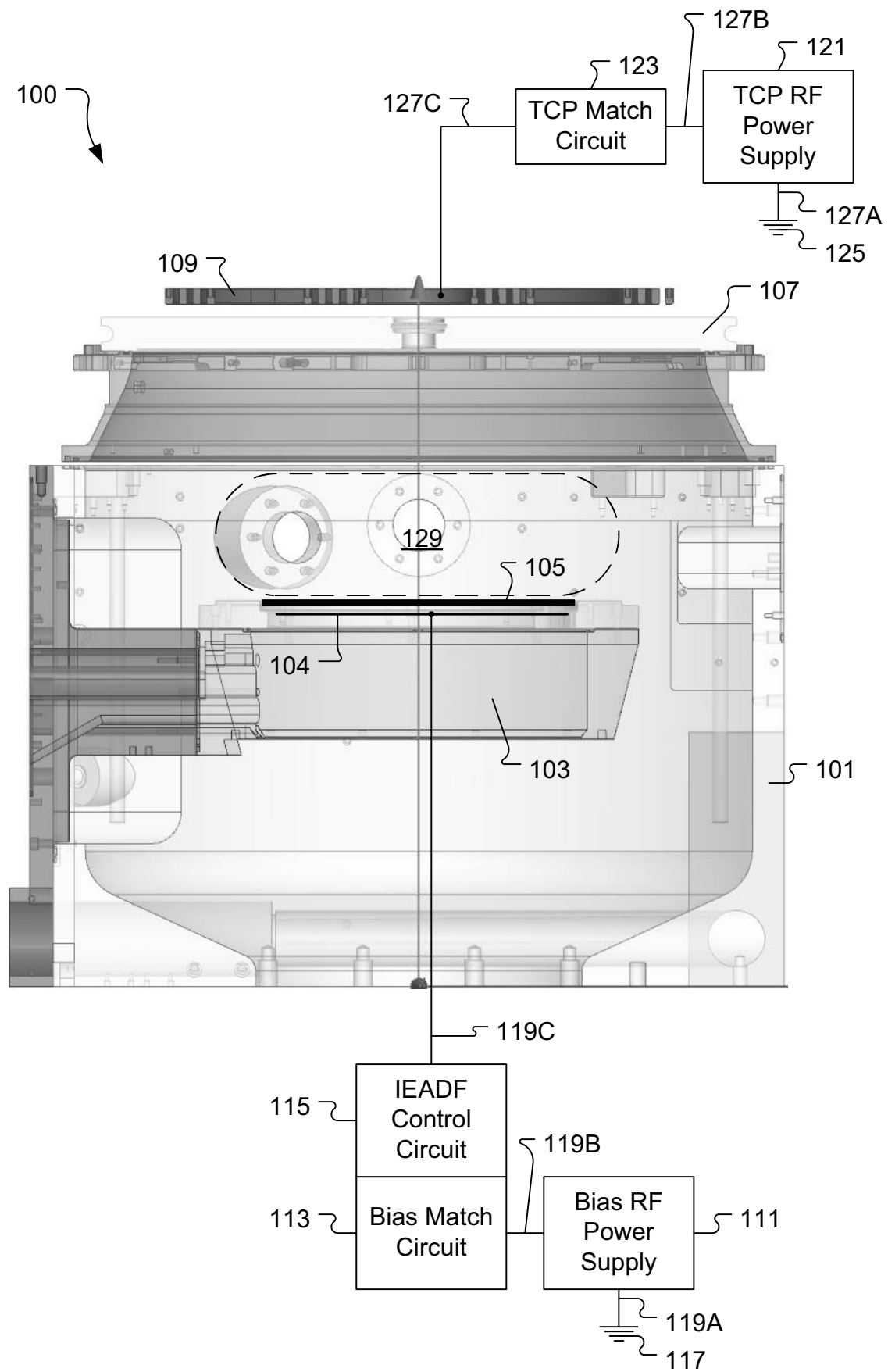


**FIG. 1A**

**FIG. 1B**

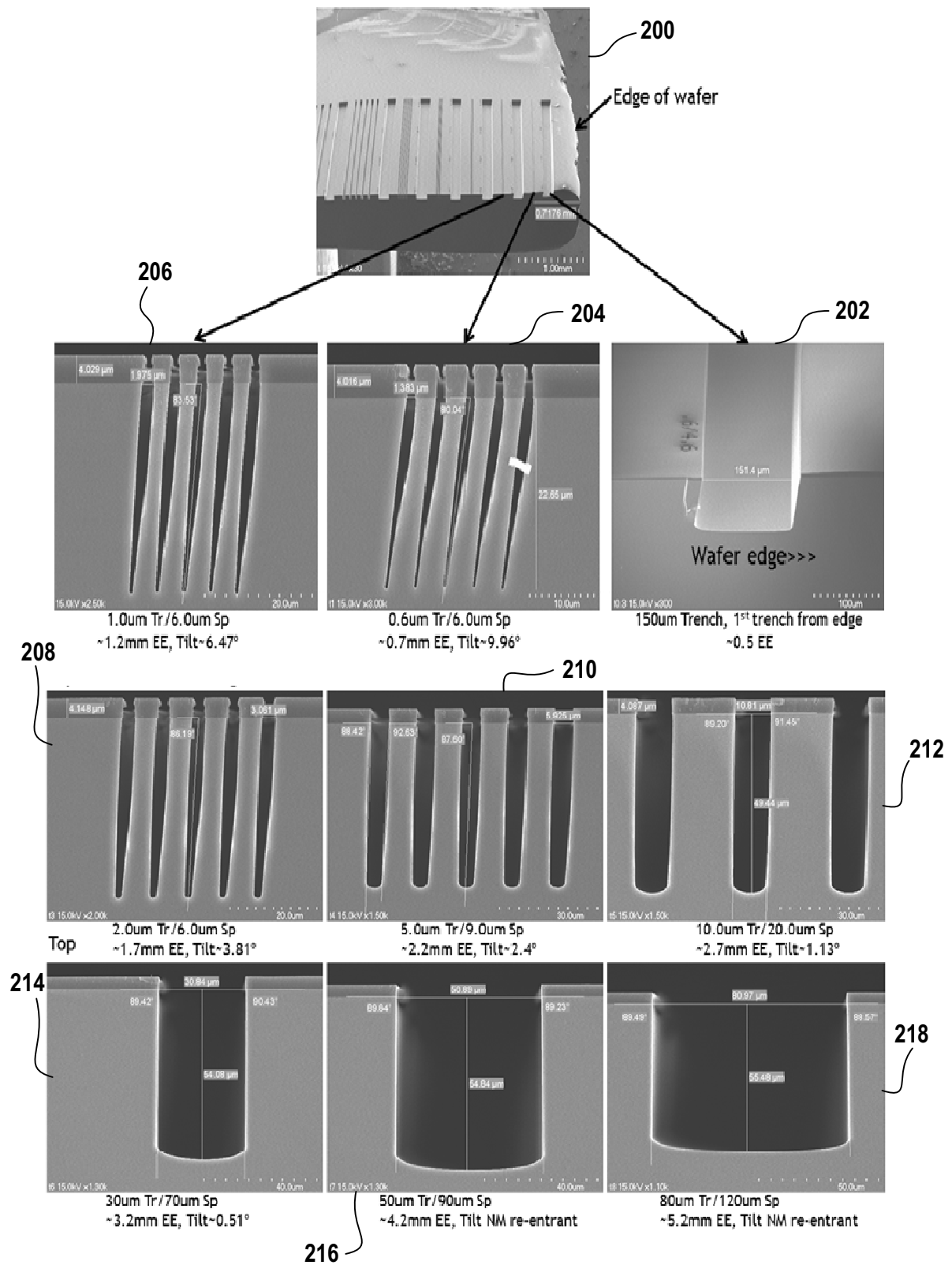


FIG. 2

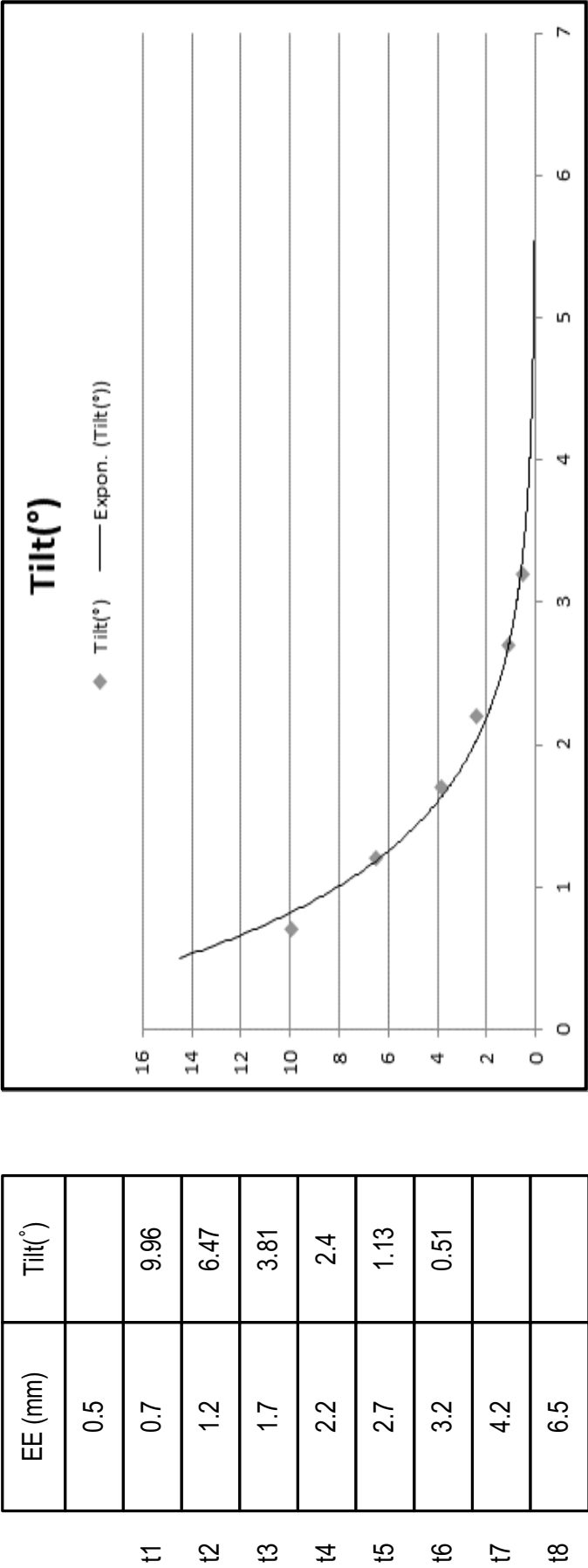


FIG. 3

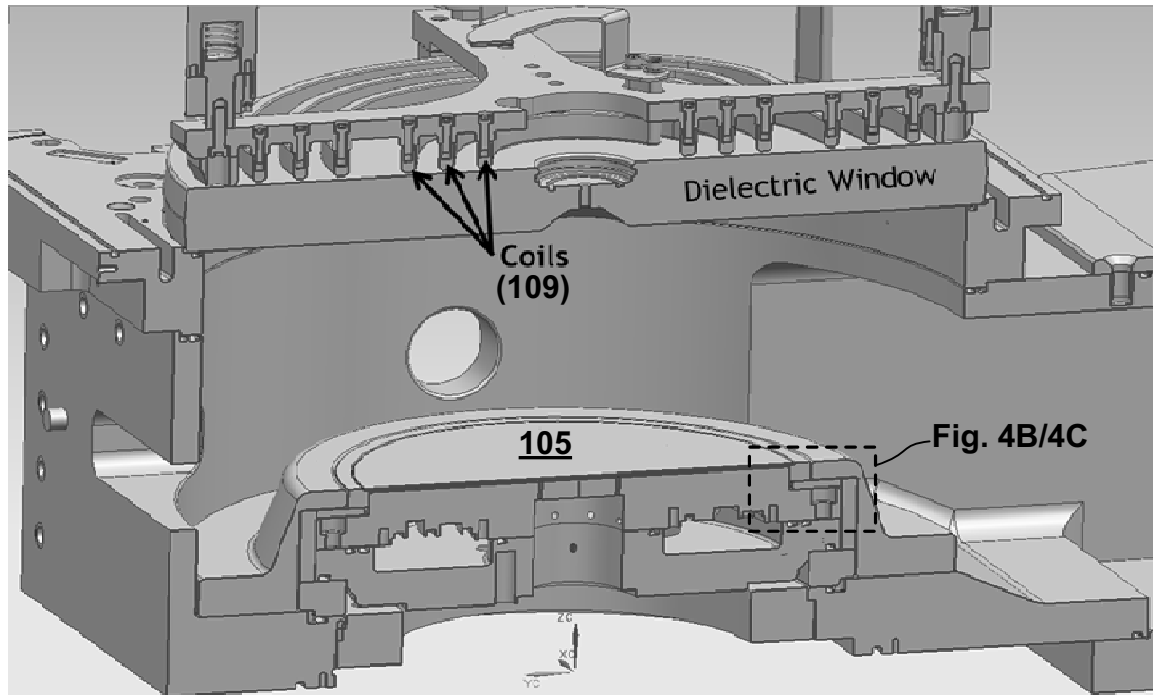


FIG. 4A

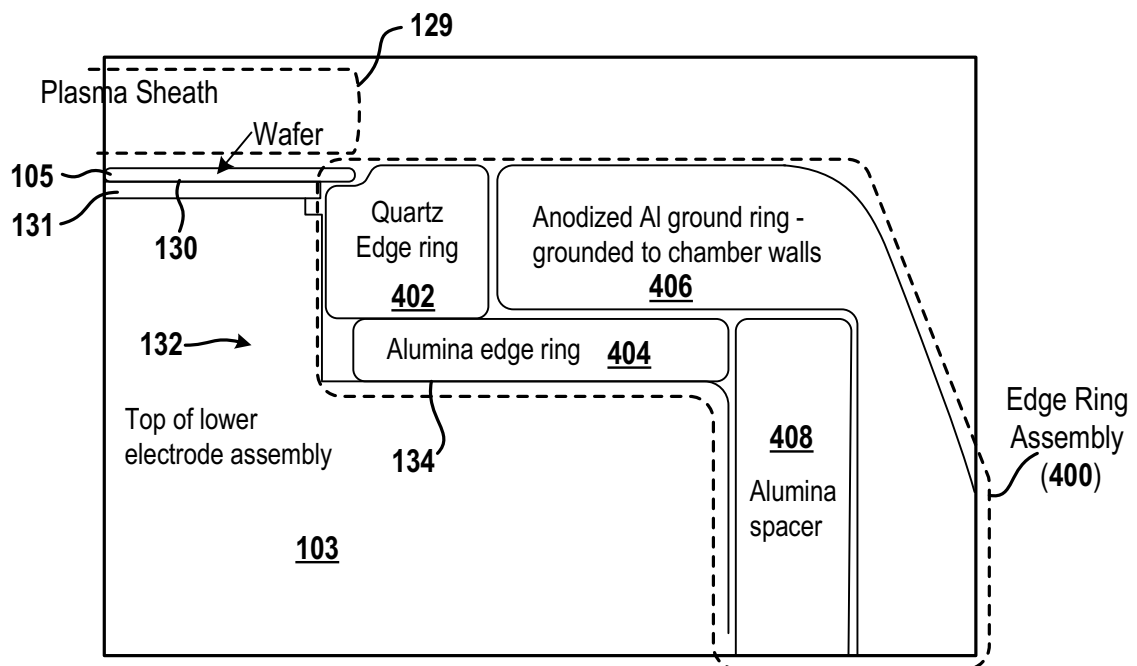


FIG. 4B

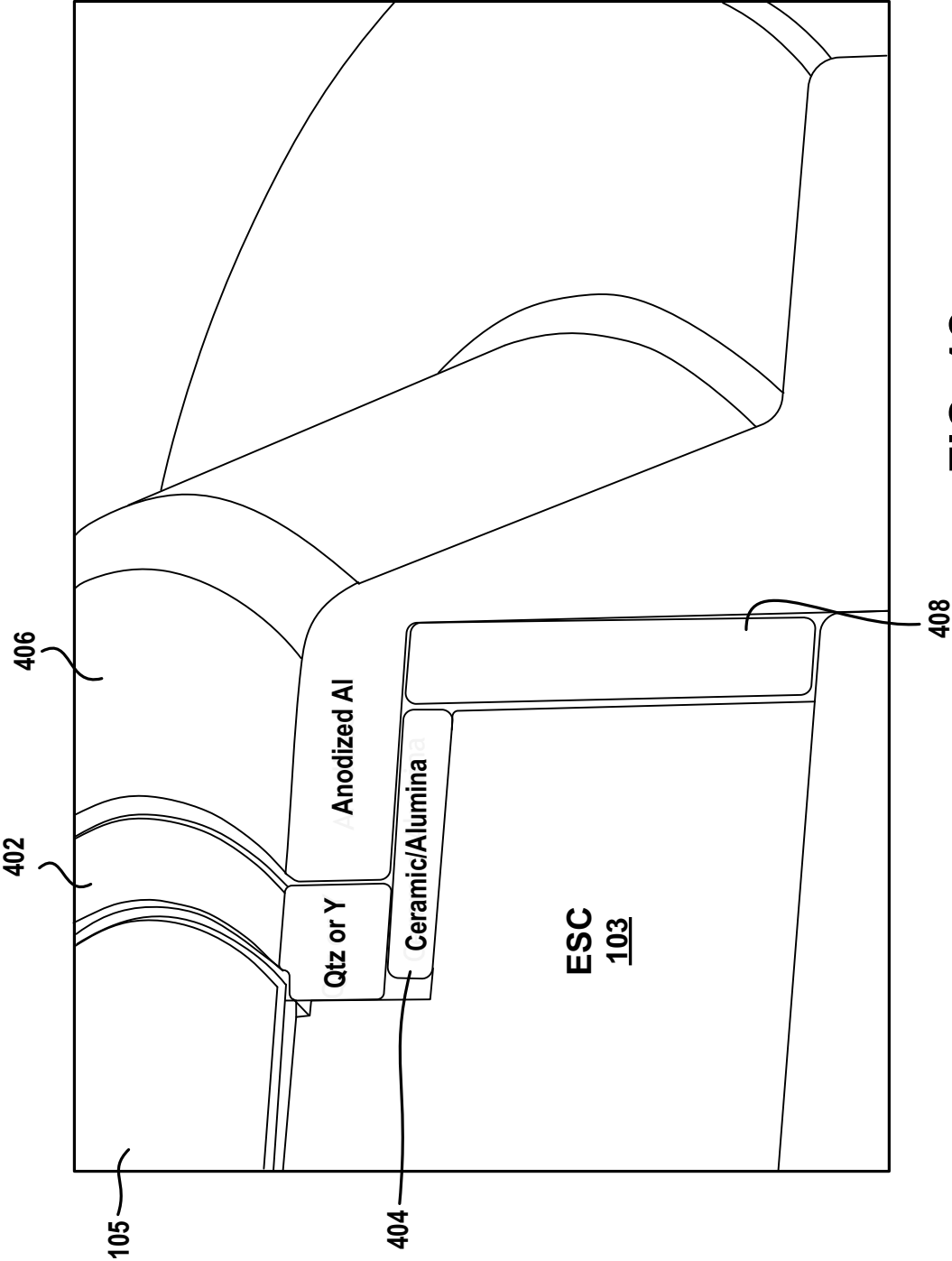


FIG. 4C

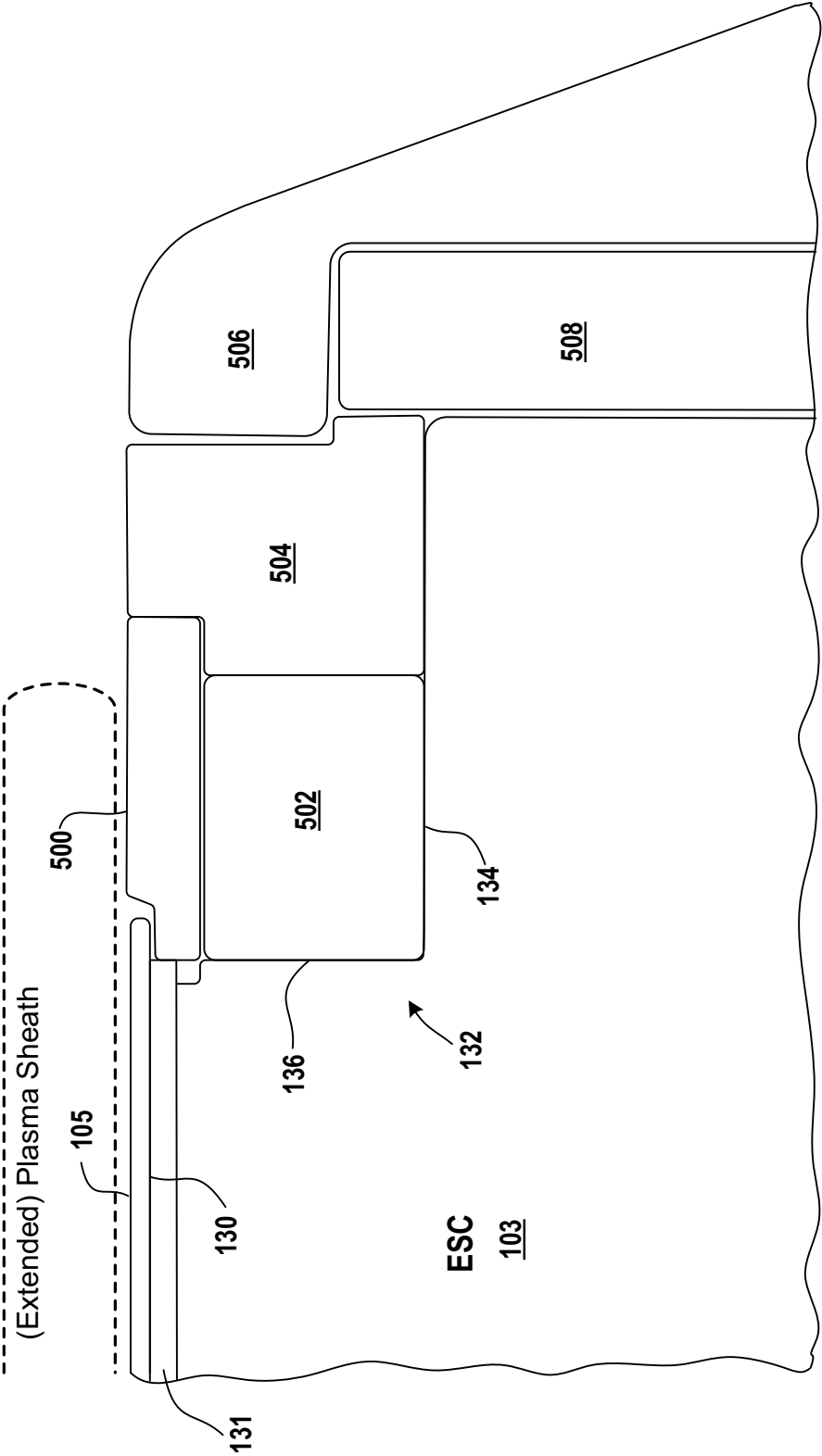


FIG. 5

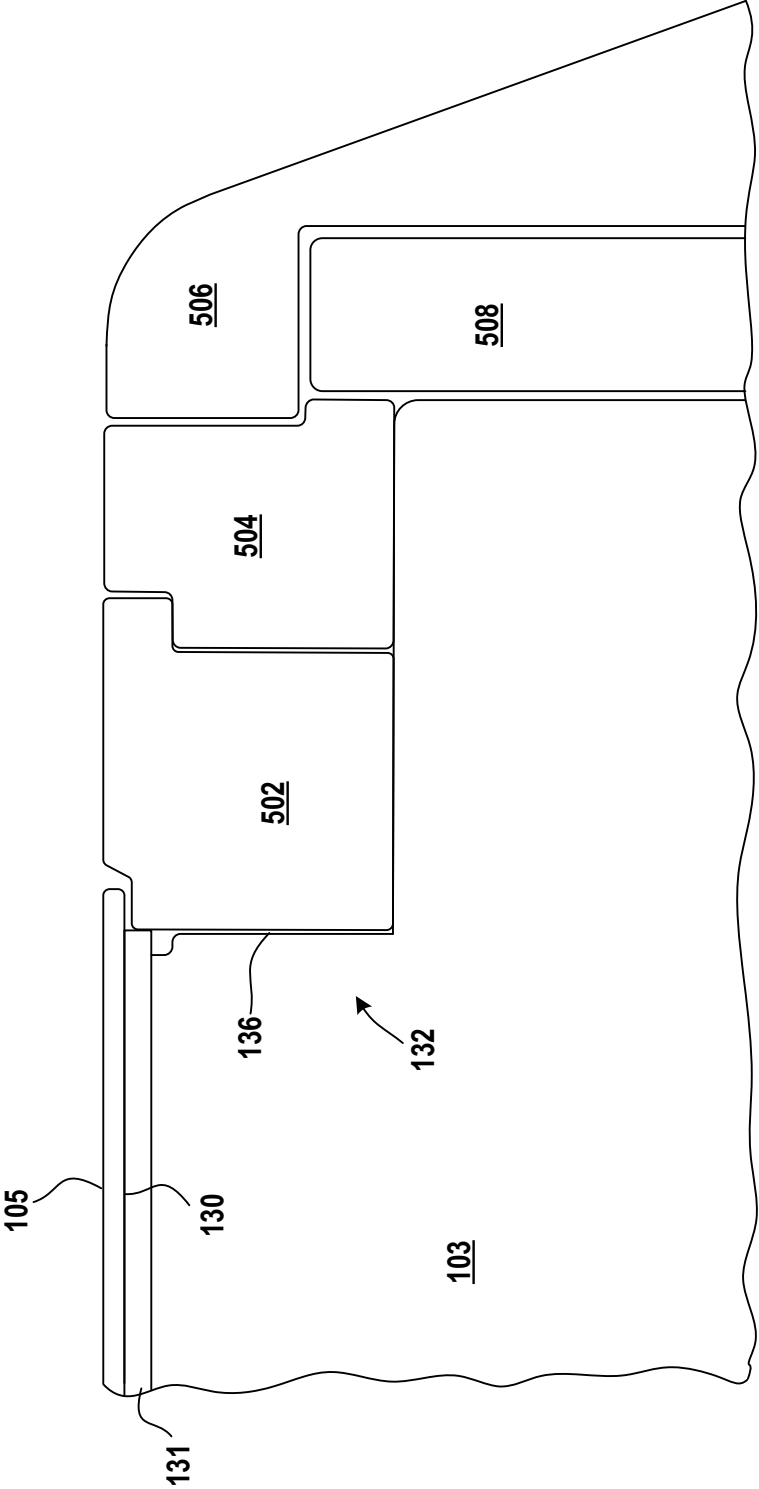


FIG. 6

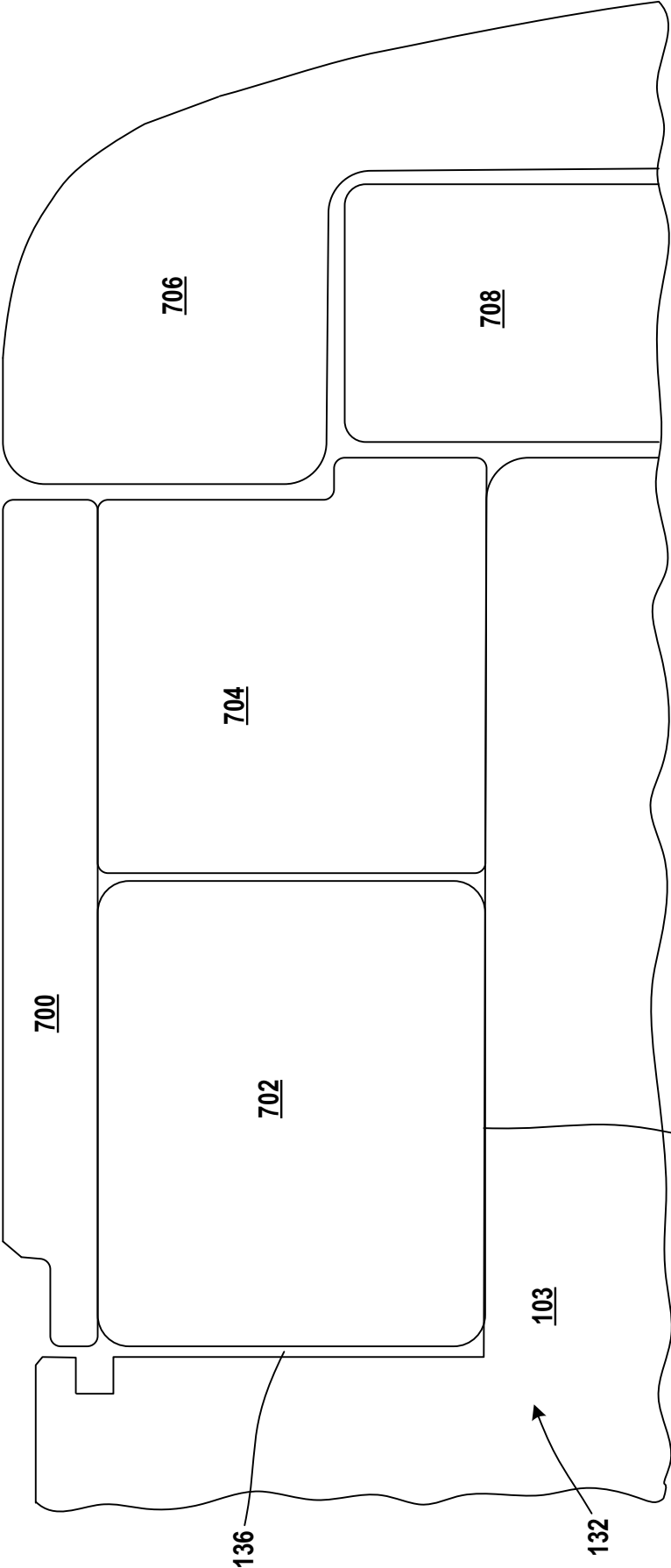


FIG. 7A

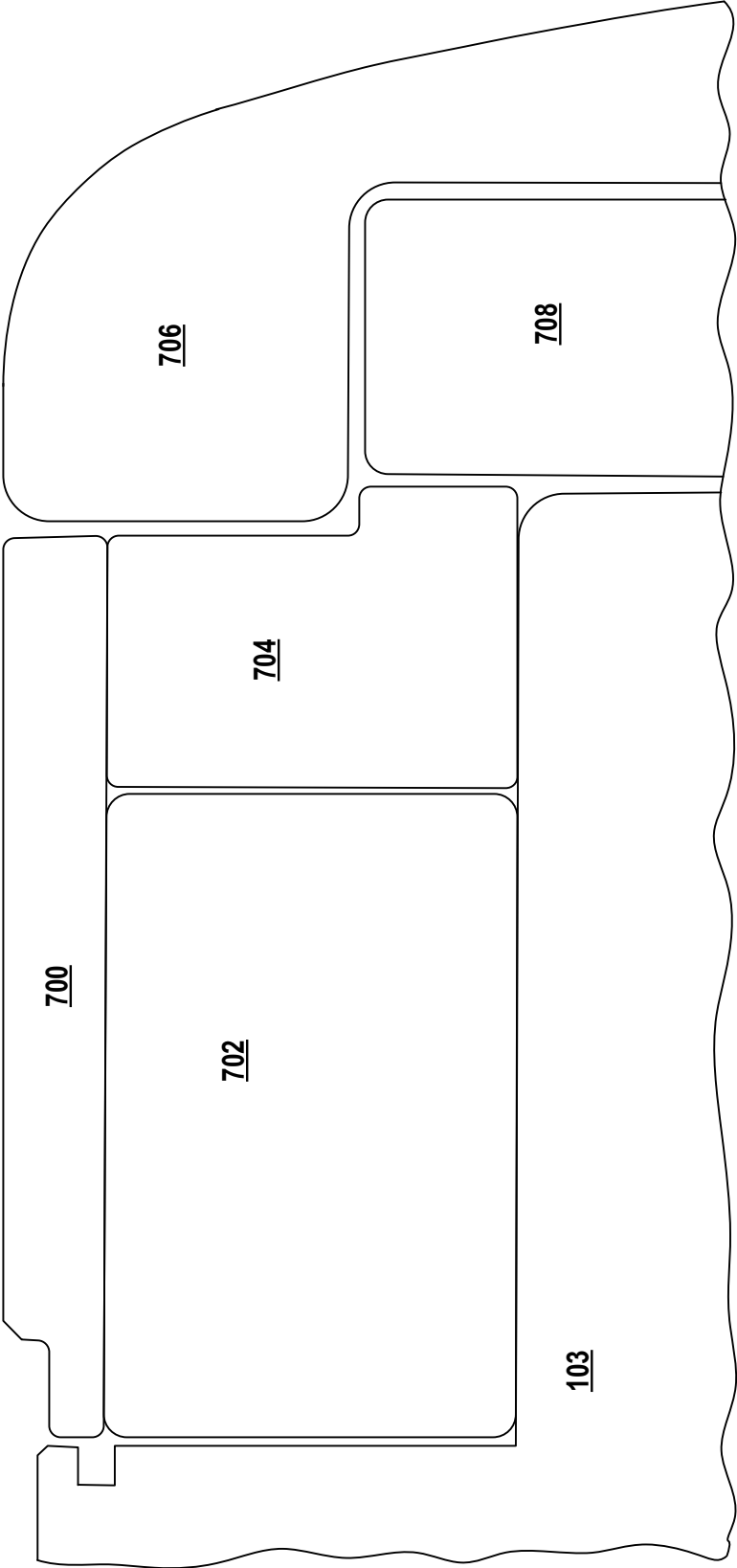


FIG. 7B

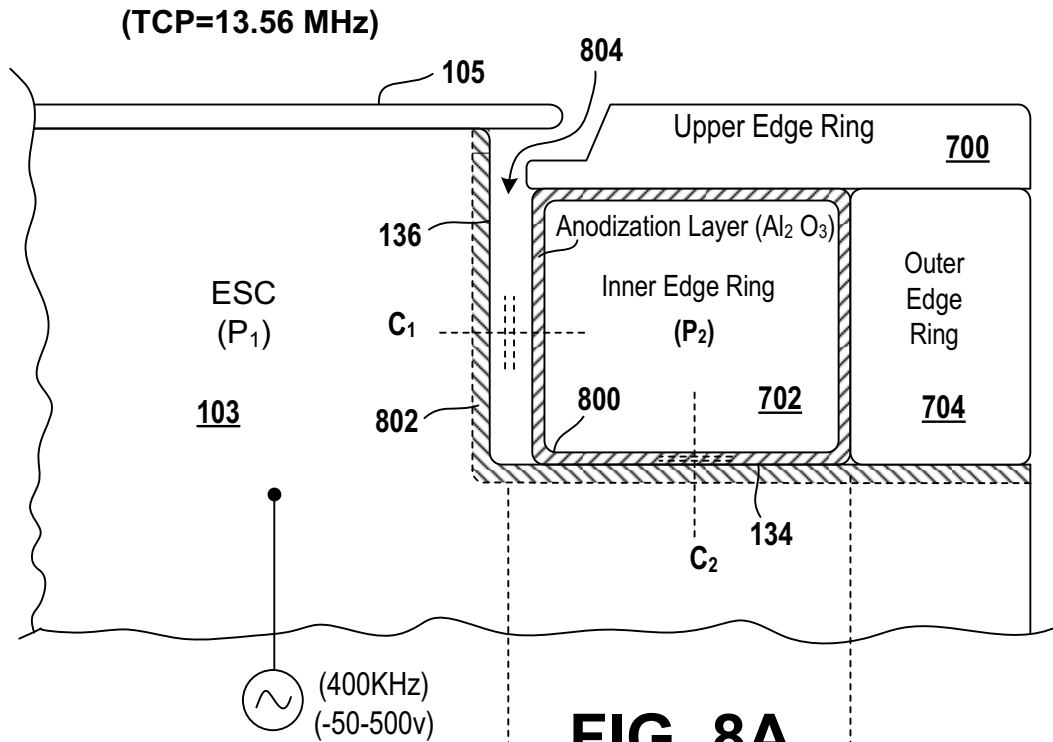


FIG. 8A

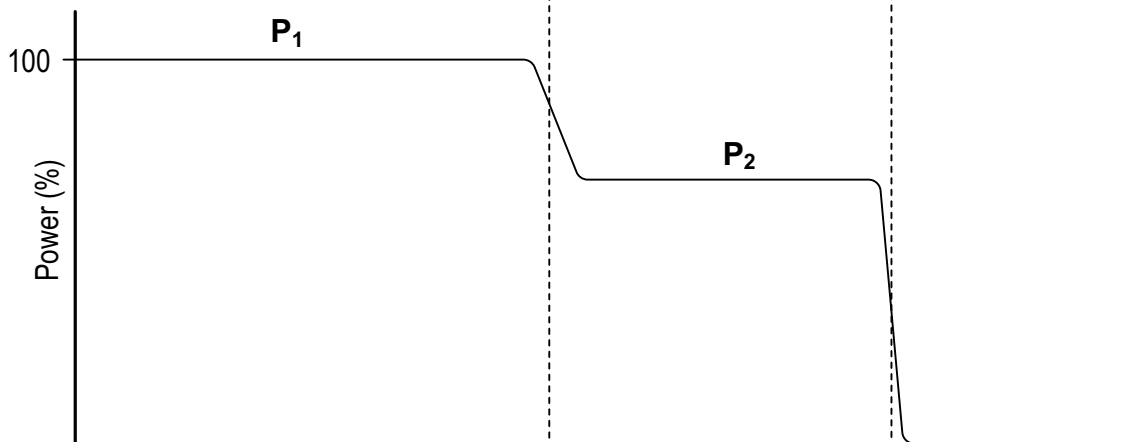


FIG. 8B

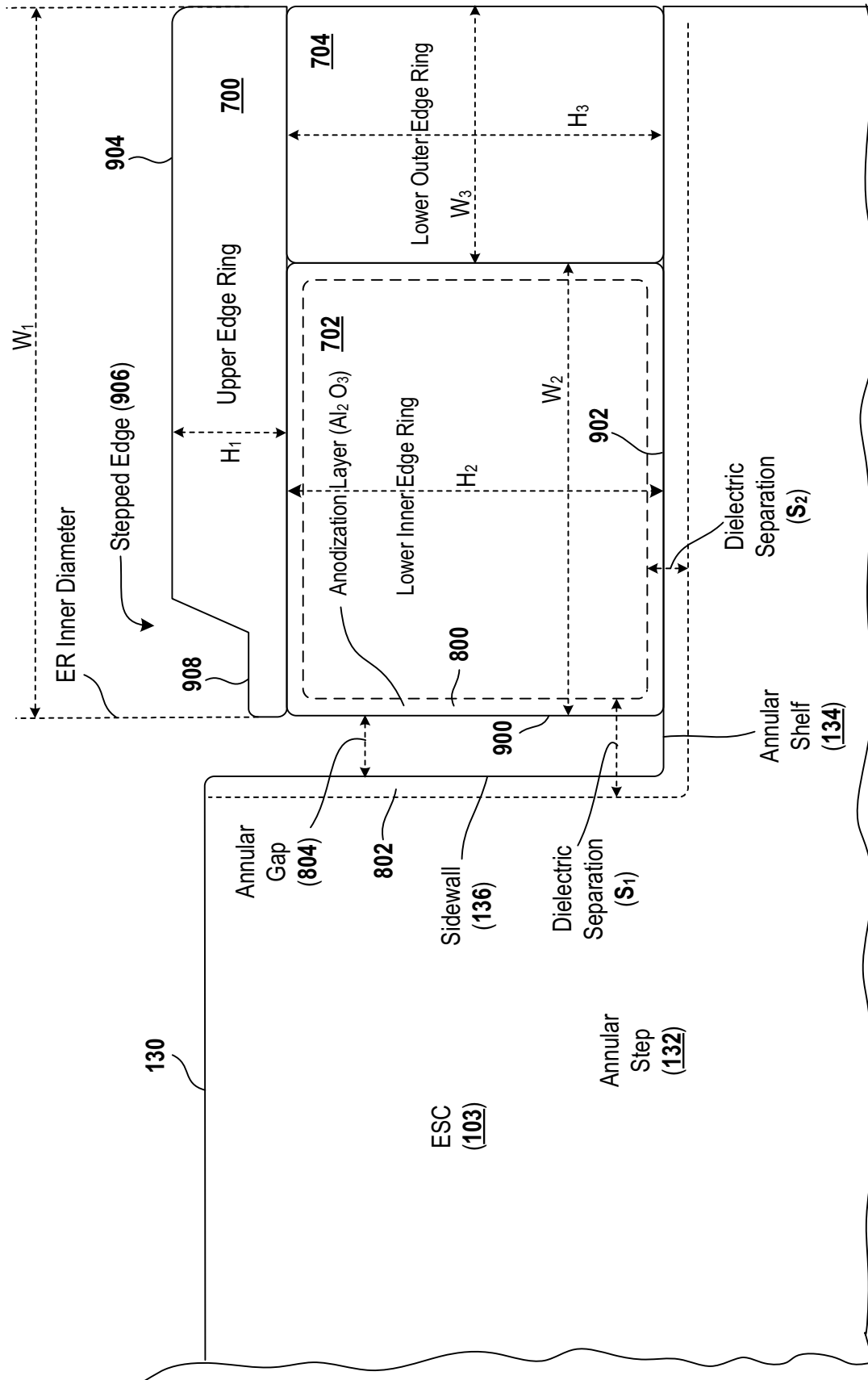


FIG. 9

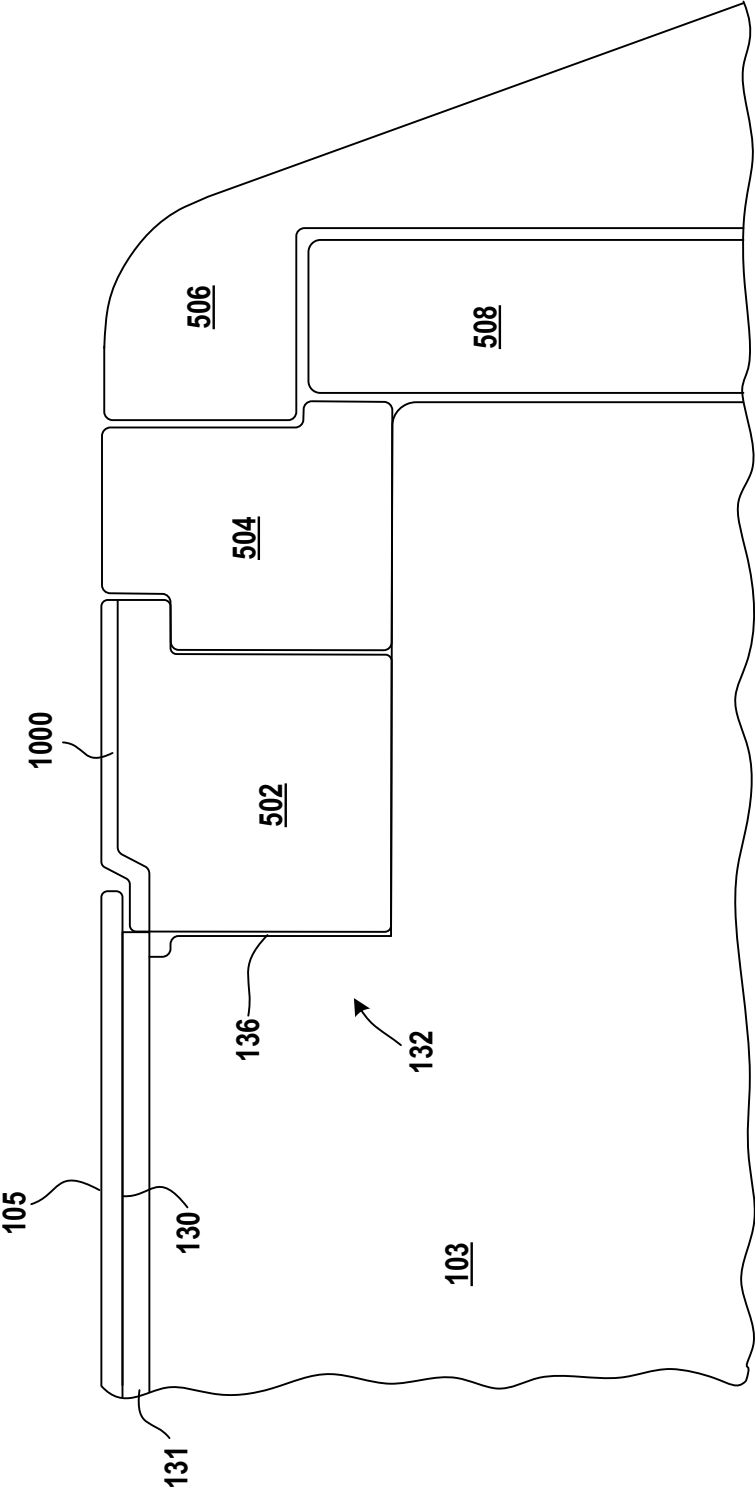


FIG. 10

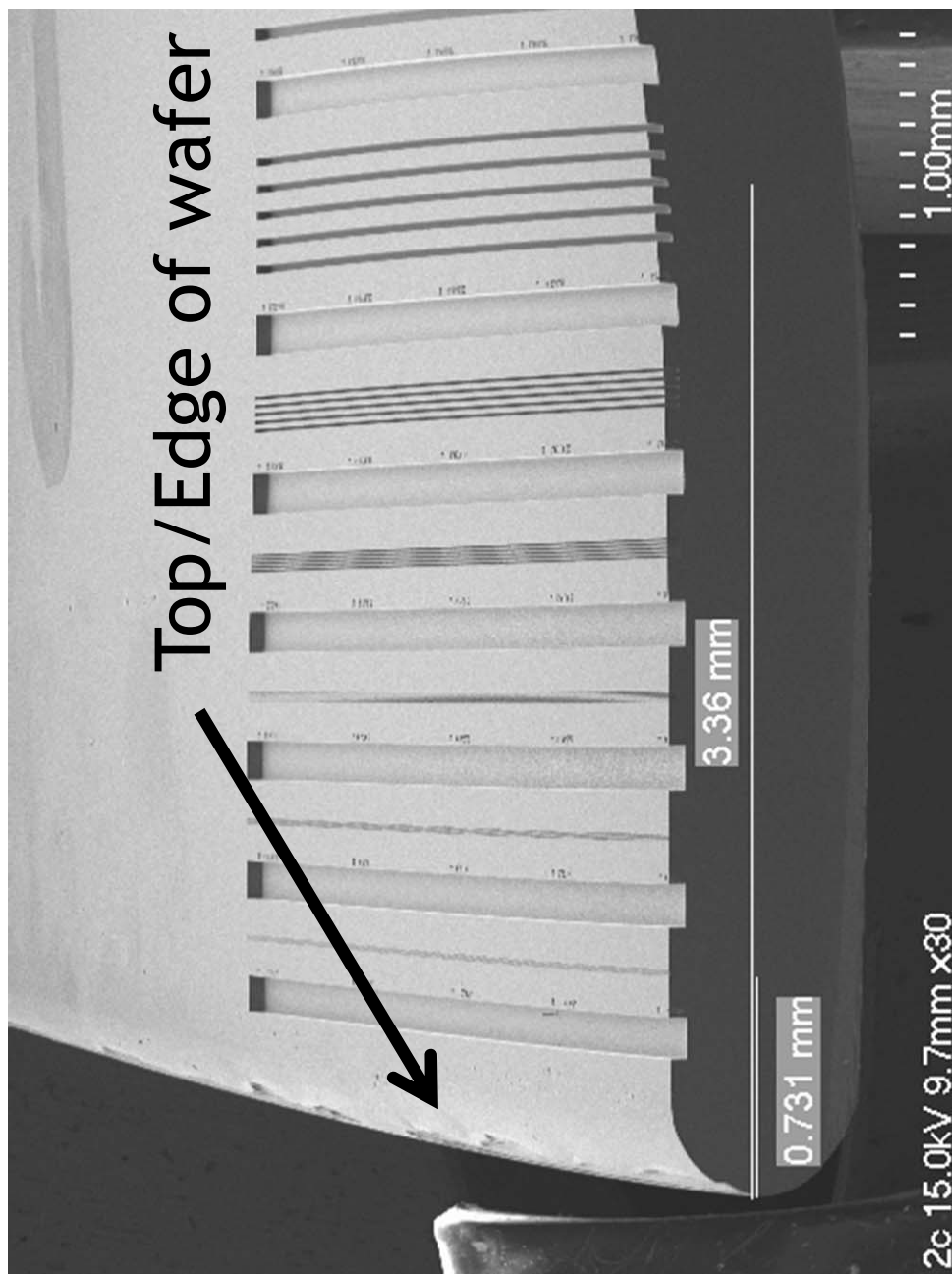


FIG. 11

EE (mm)	Tilt(°) STD	Tilt(°) HAA Y	Trench CD (um)
0.5	NM	NM	150.0
0.7	9.96	-0.46	0.6
1.2	6.47	-0.36	1.0
1.7	3.81	-0.30	2.0
2.2	2.4	-0.16	5.0
2.7	1.13	-0.29	10.0
3.2	0.51	-0.16	30.0
4.2	NM	NM	50.0
6.5	NM	NM	100.0

FIG. 12A

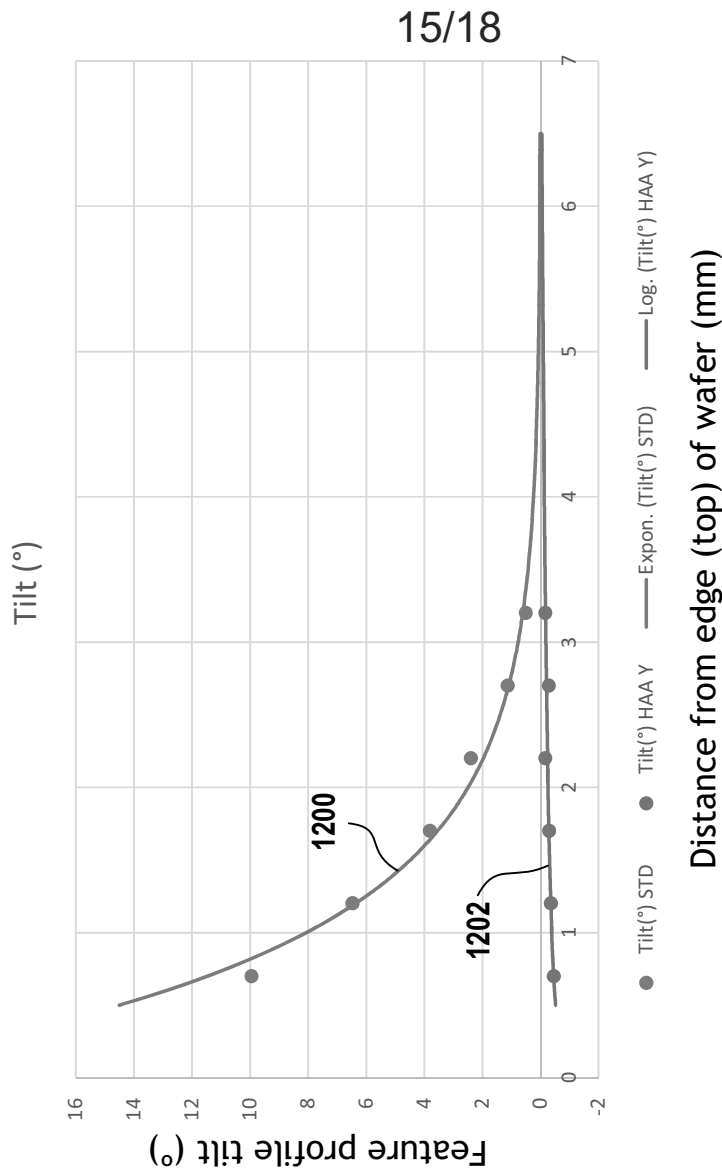


FIG. 12B

► Run#1 SEMs: Noel 16% EA, Standard Edge HW vs HAA Ytria edge H/W

STD HW

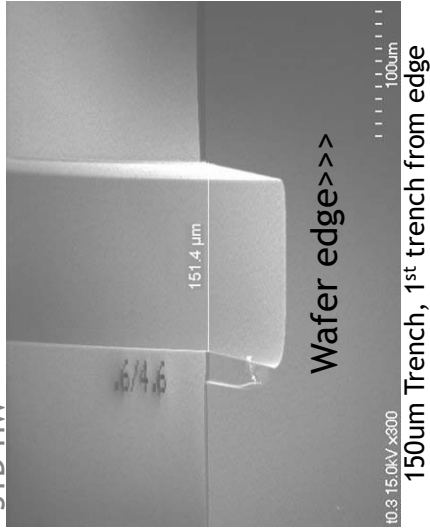


FIG. 13A

HAA Y HW

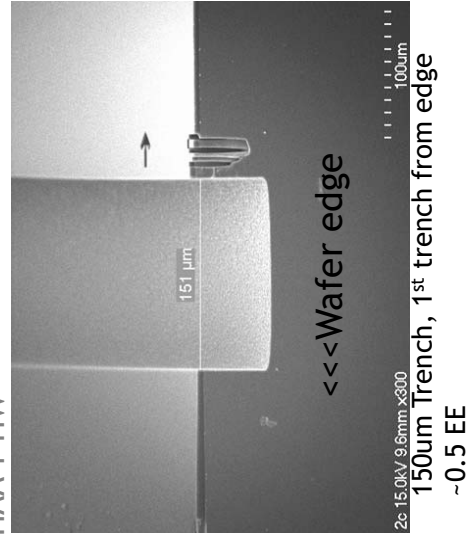


FIG. 13D

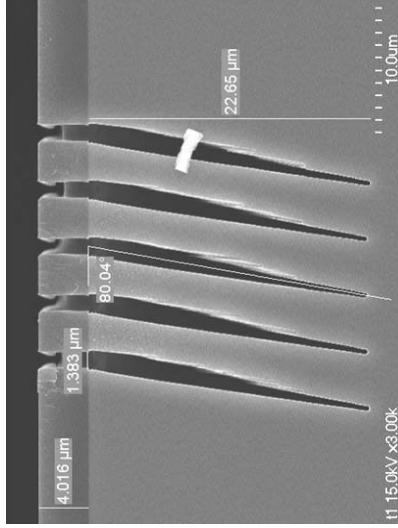


FIG. 13B

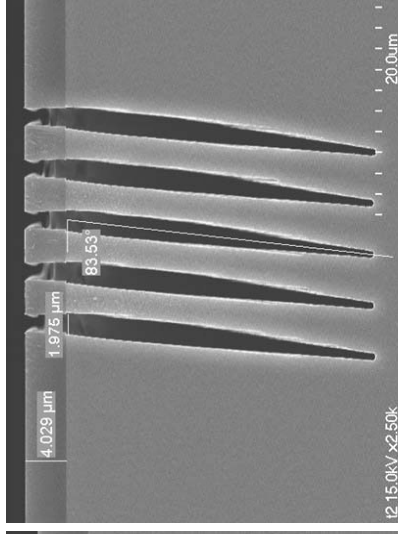


FIG. 13C

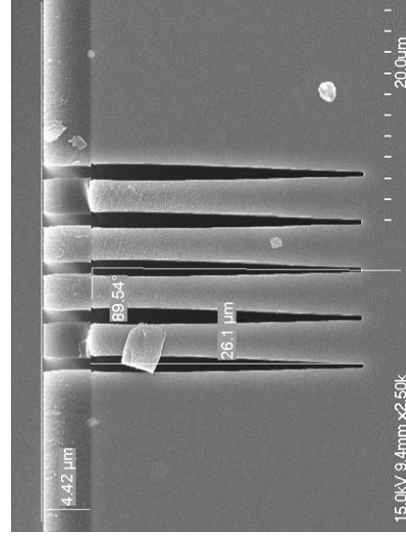


FIG. 13E

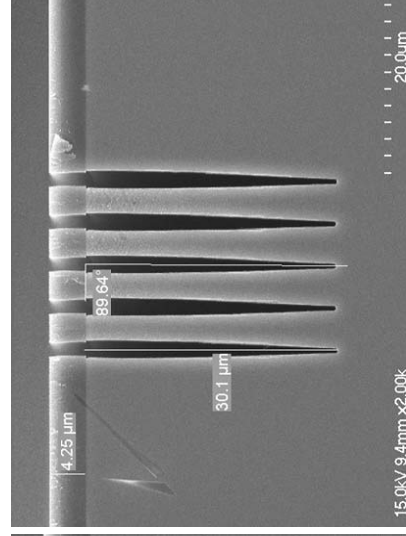


FIG. 13F

- Run#1 SEMs: Noel 16% EA, Standard Edge HW vs HAA Yttria edge H/W

STD HW

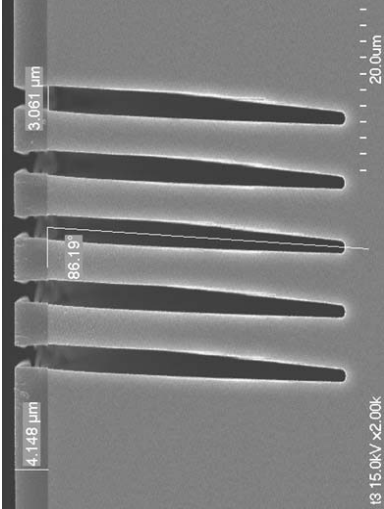


FIG. 14A
2.0um Tr/6.0um Sp
~1.7mm EE, Tilt~3.81°

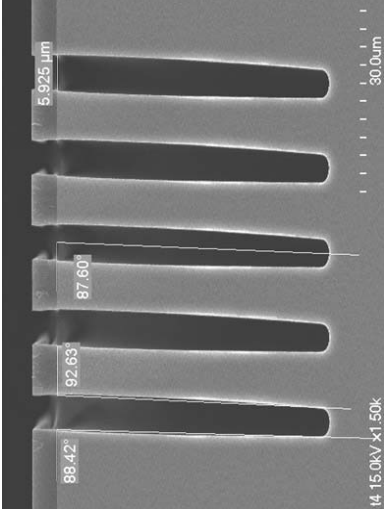


FIG. 14B
5.0um Tr/9.0um Sp
~2.2mm EE, Tilt~2.4°

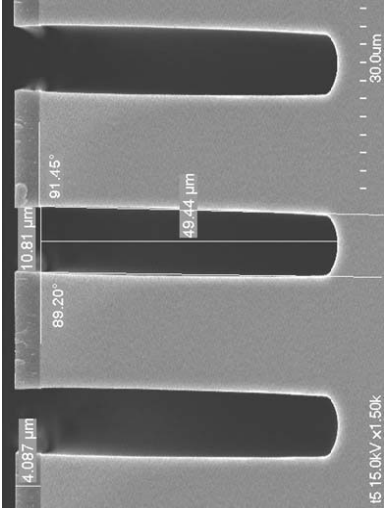


FIG. 14C
10.0um Tr/20.0um Sp
~2.7mm EE, Tilt~1.13°

HAA Y HW

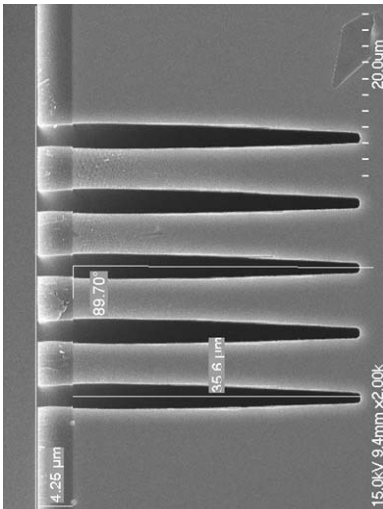


FIG. 14D
2.0um Tr/6.0um Sp
~1.7mm EE, Tilt~-0.3°

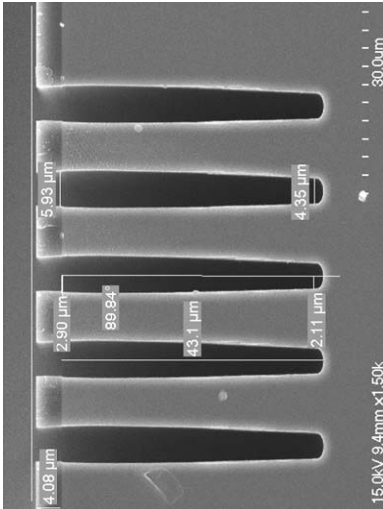


FIG. 14E
5.0um Tr/9.0um Sp
~2.2mm EE, Tilt~-0.16°

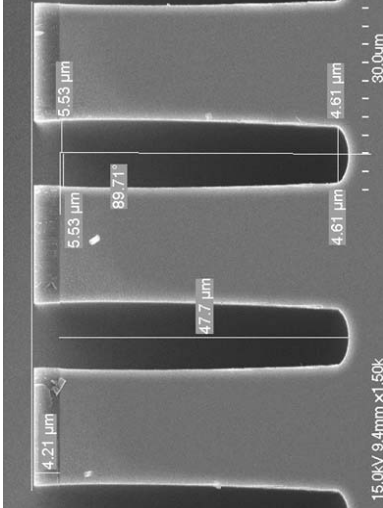
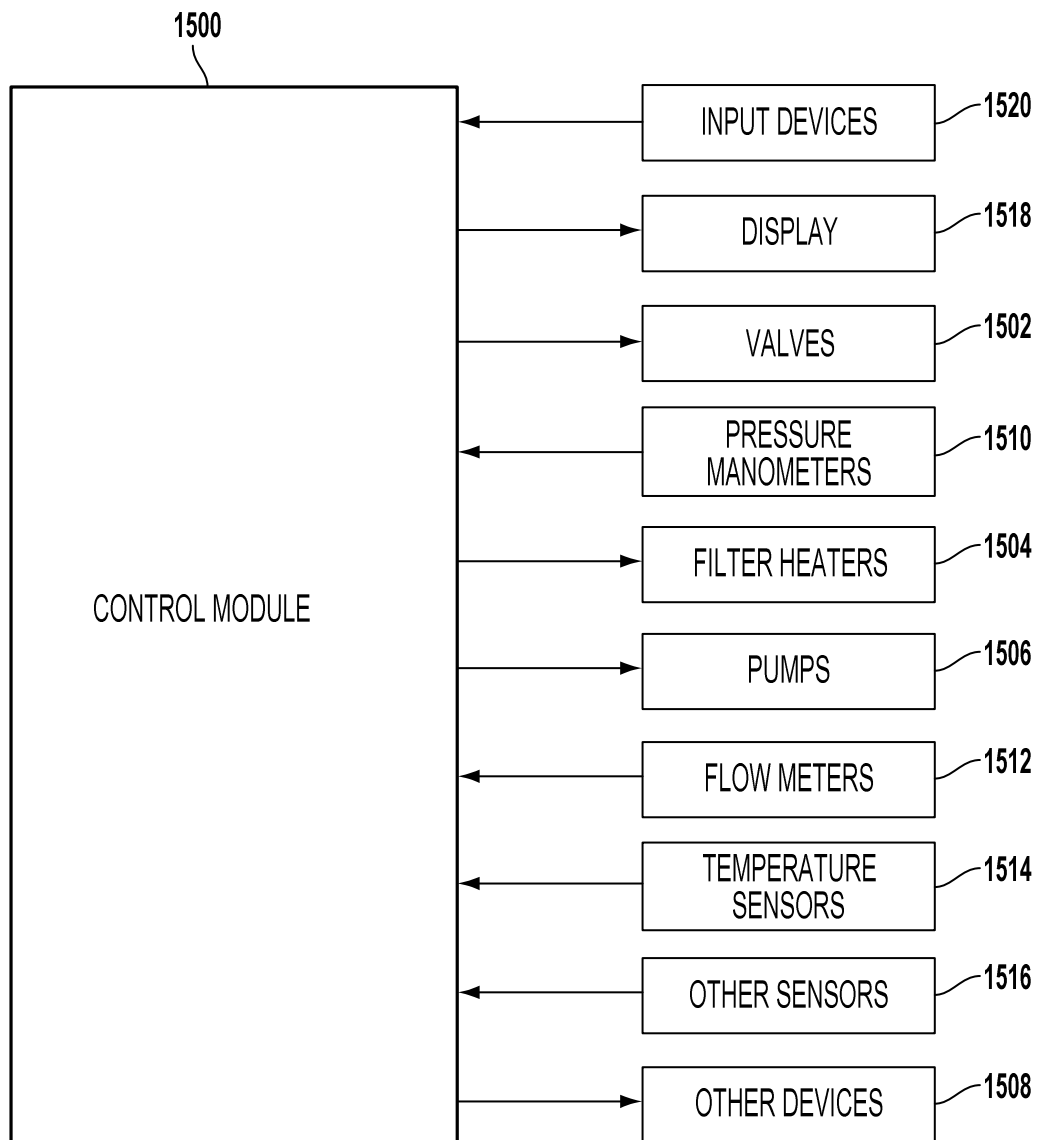


FIG. 14F
10.0um Tr/20.0um Sp
~2.7mm EE, Tilt~-0.29°

**FIG. 15**