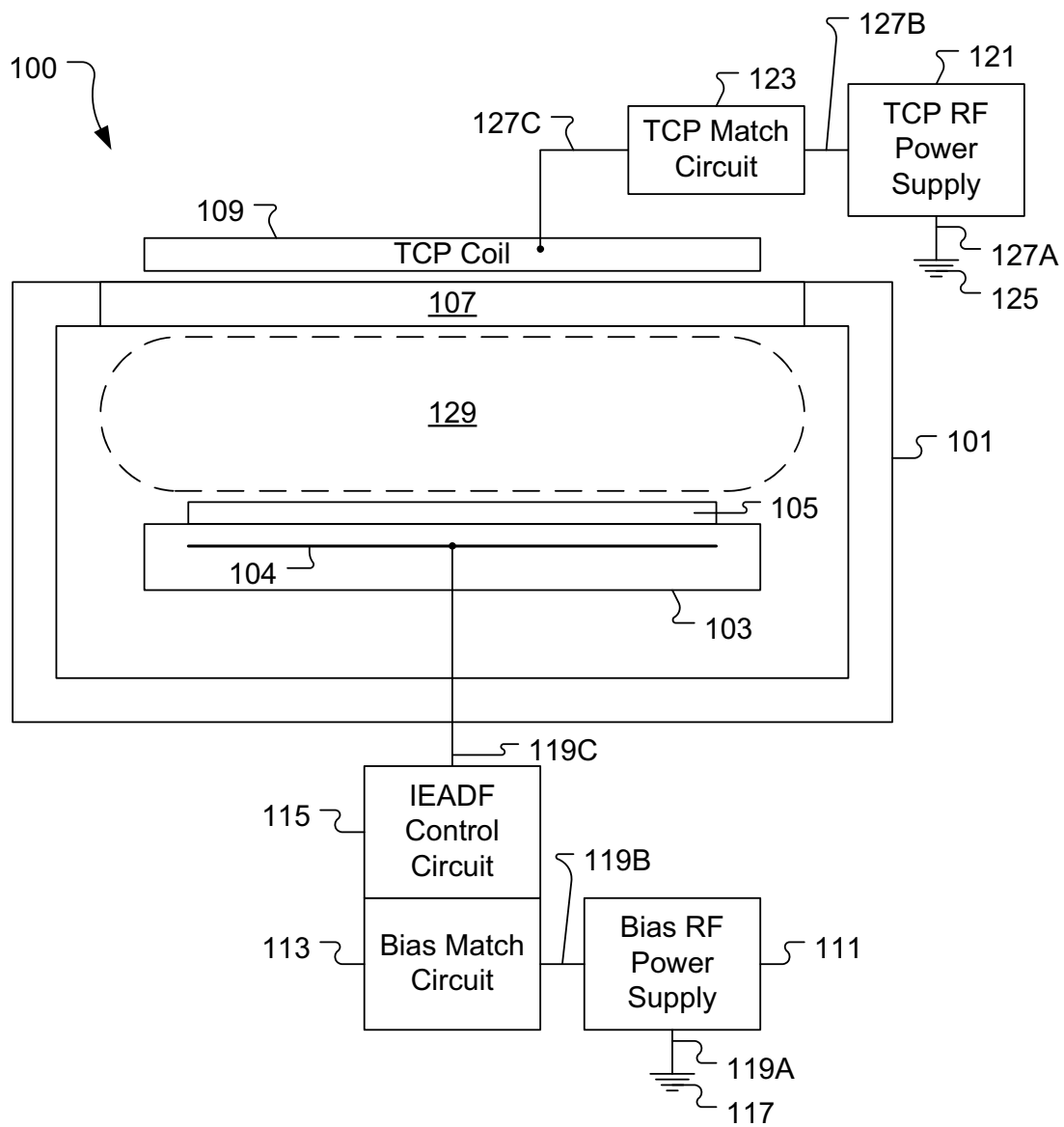


**FIG. 1A**

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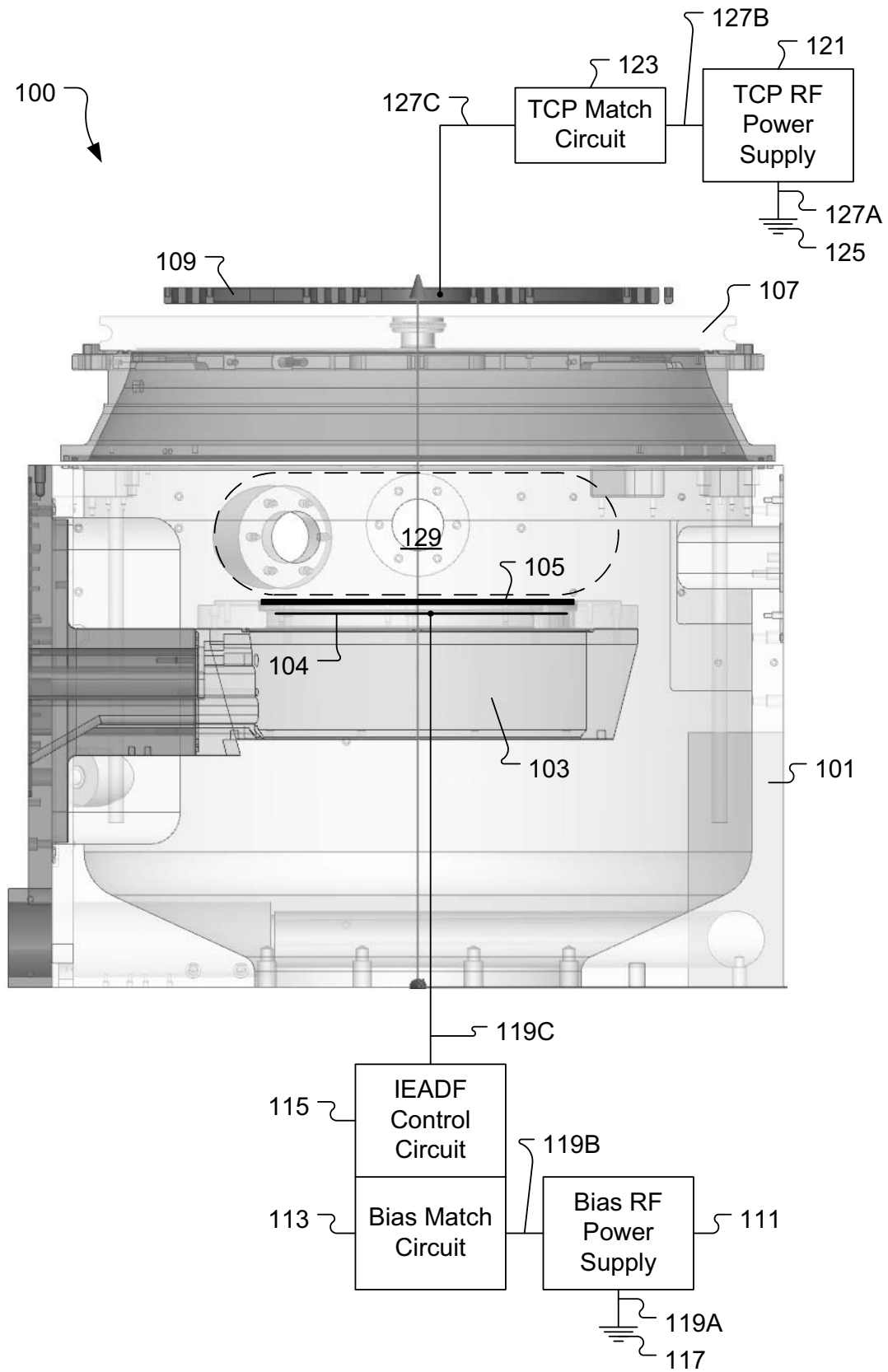


FIG. 1B

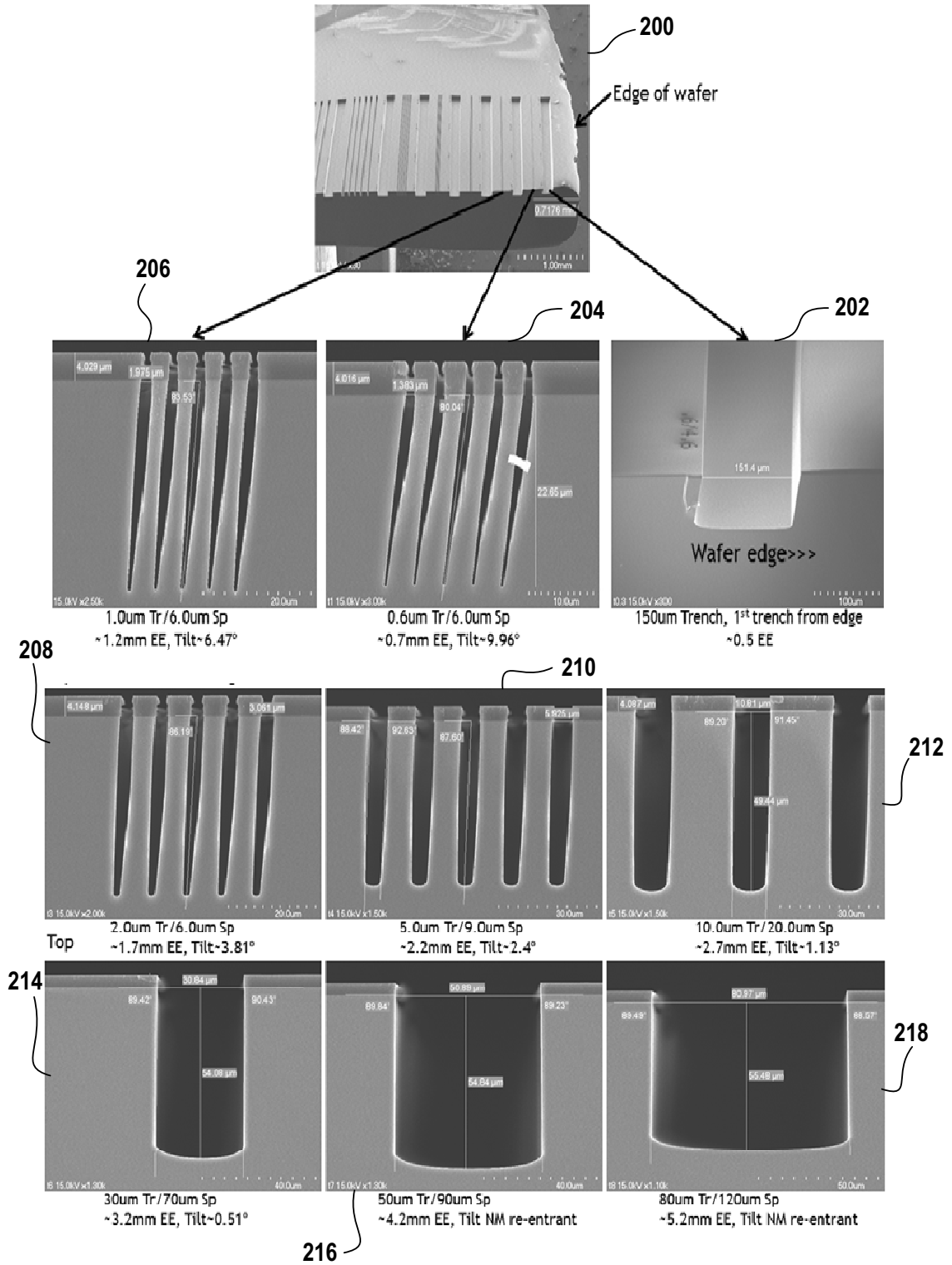


FIG. 2

	EE (mm)	Tilt(°)
t1	0.5	
t2	0.7	9.96
t3	1.2	6.47
t4	1.7	3.81
t5	2.2	2.4
t6	2.7	1.13
t7	3.2	0.51
t8	4.2	
	6.5	

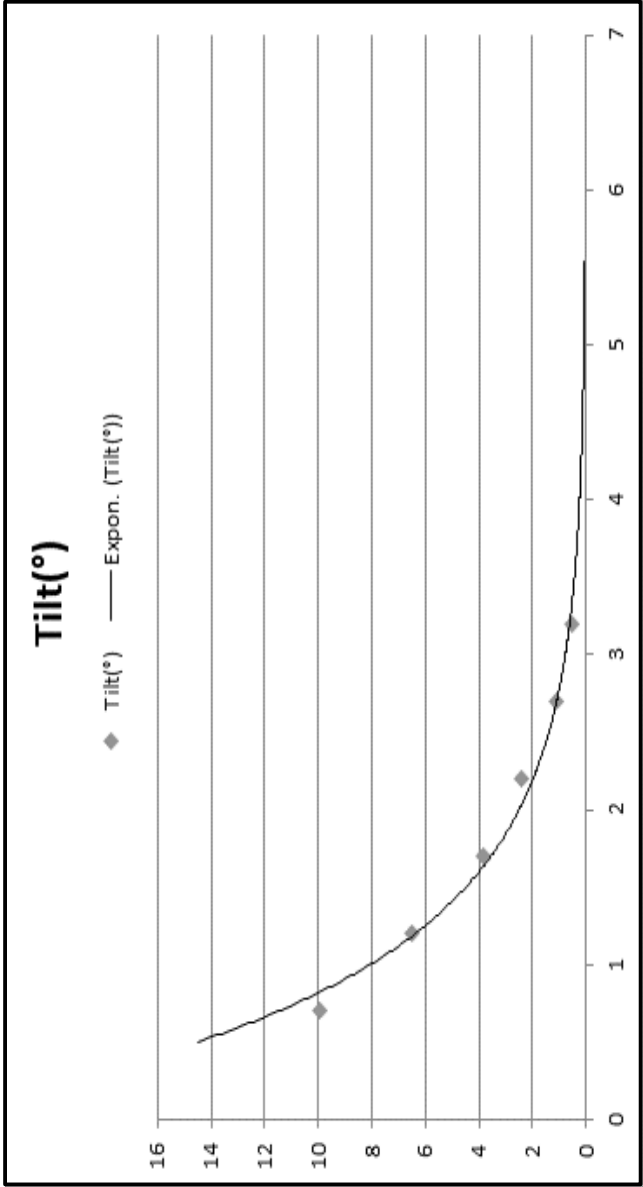


FIG. 3

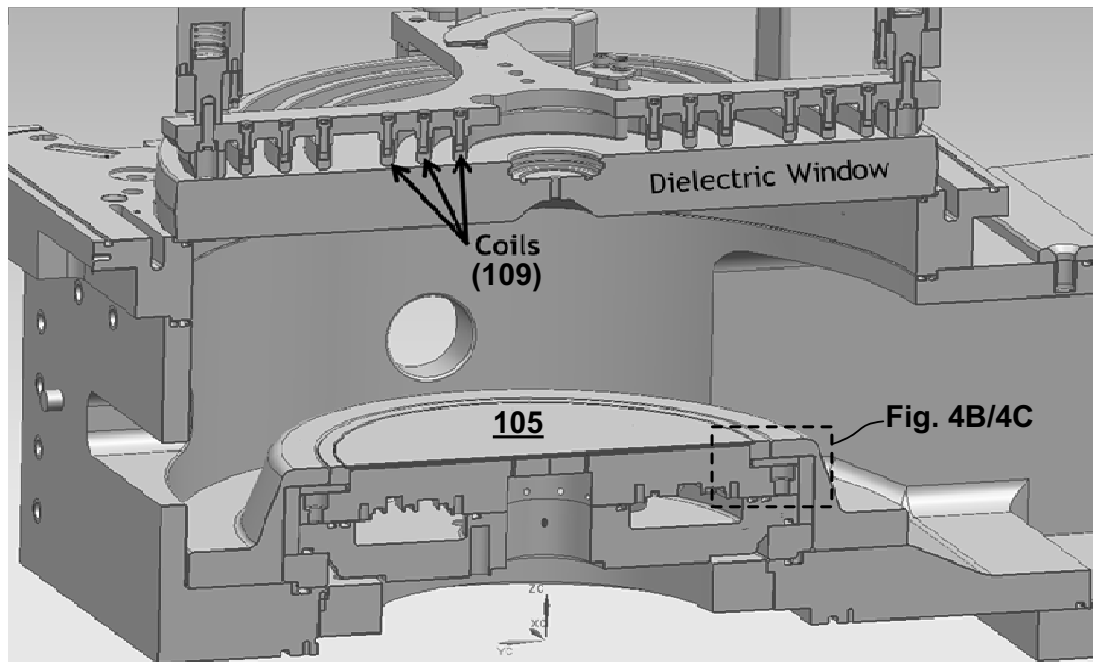


FIG. 4A

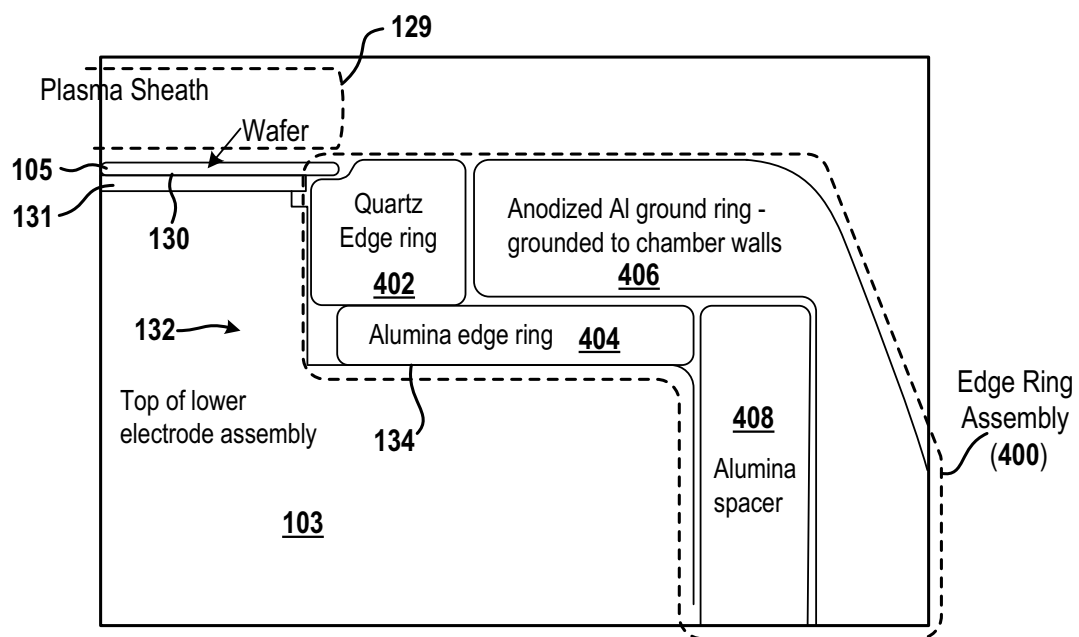


FIG. 4B

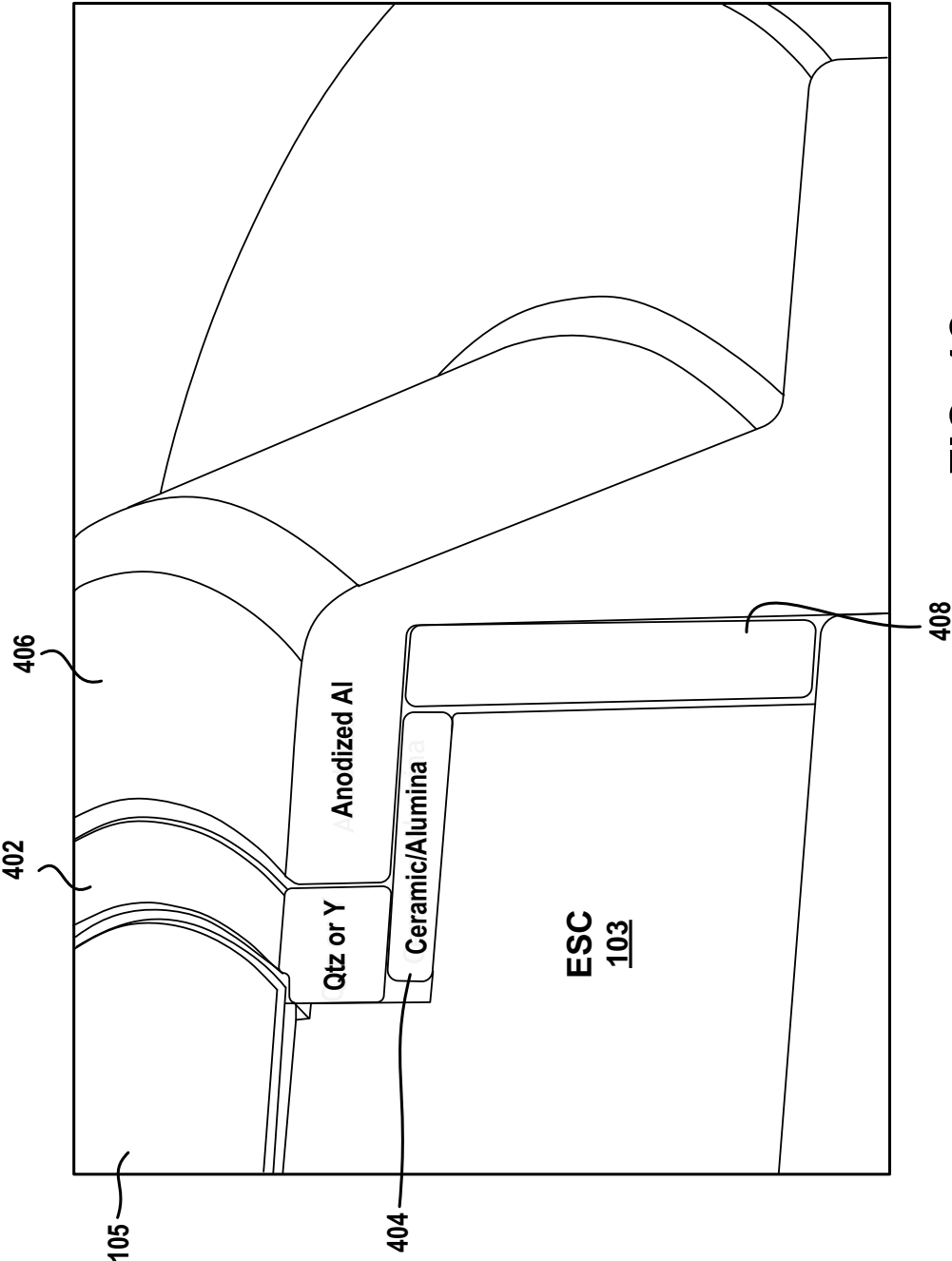


FIG. 4C

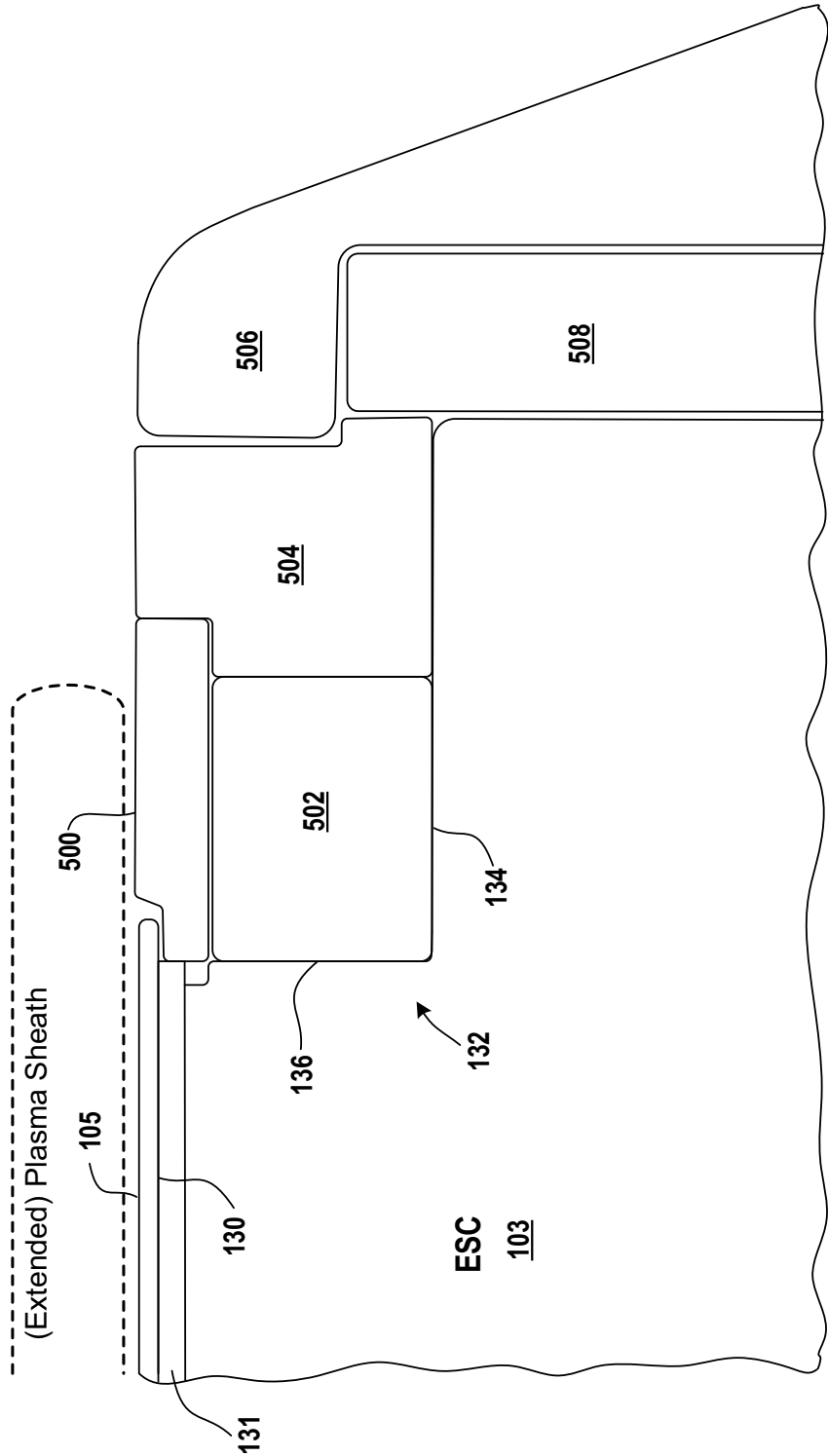


FIG. 5

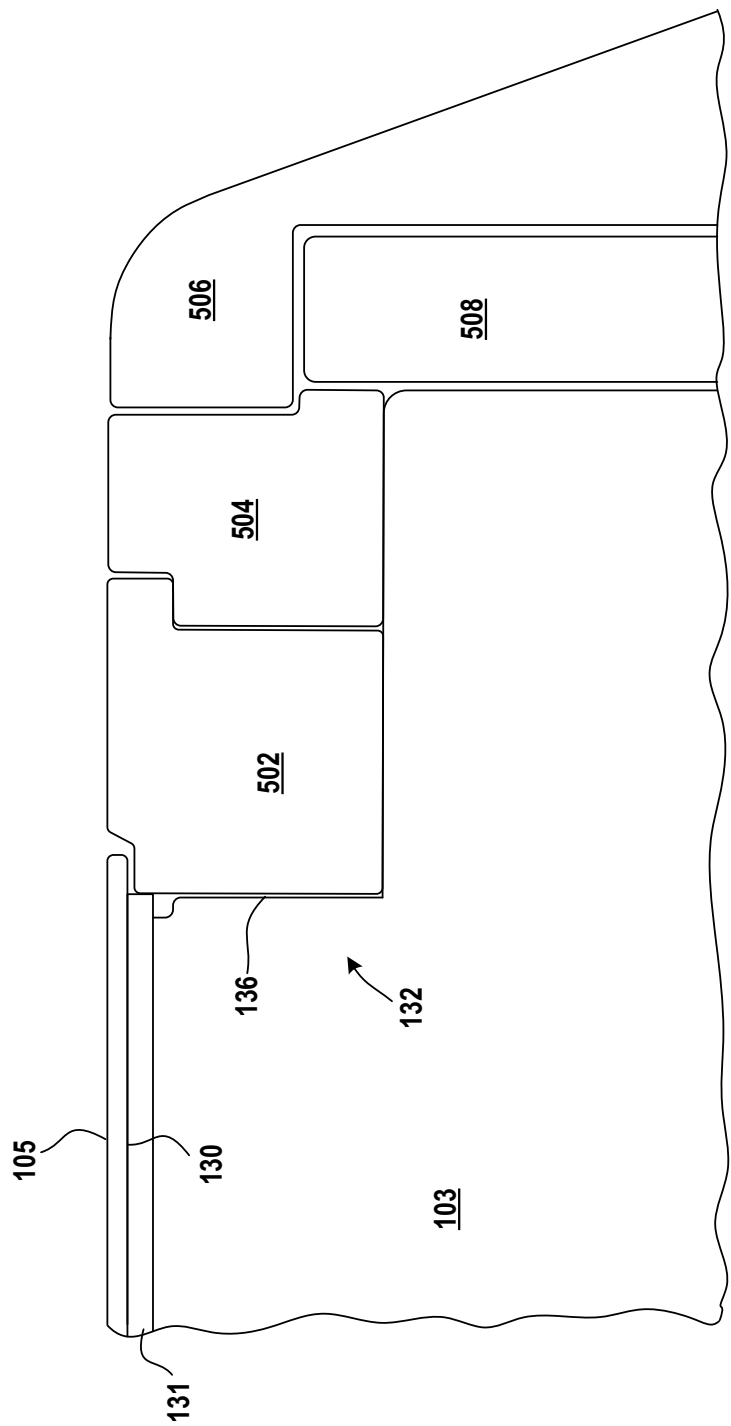


FIG. 6

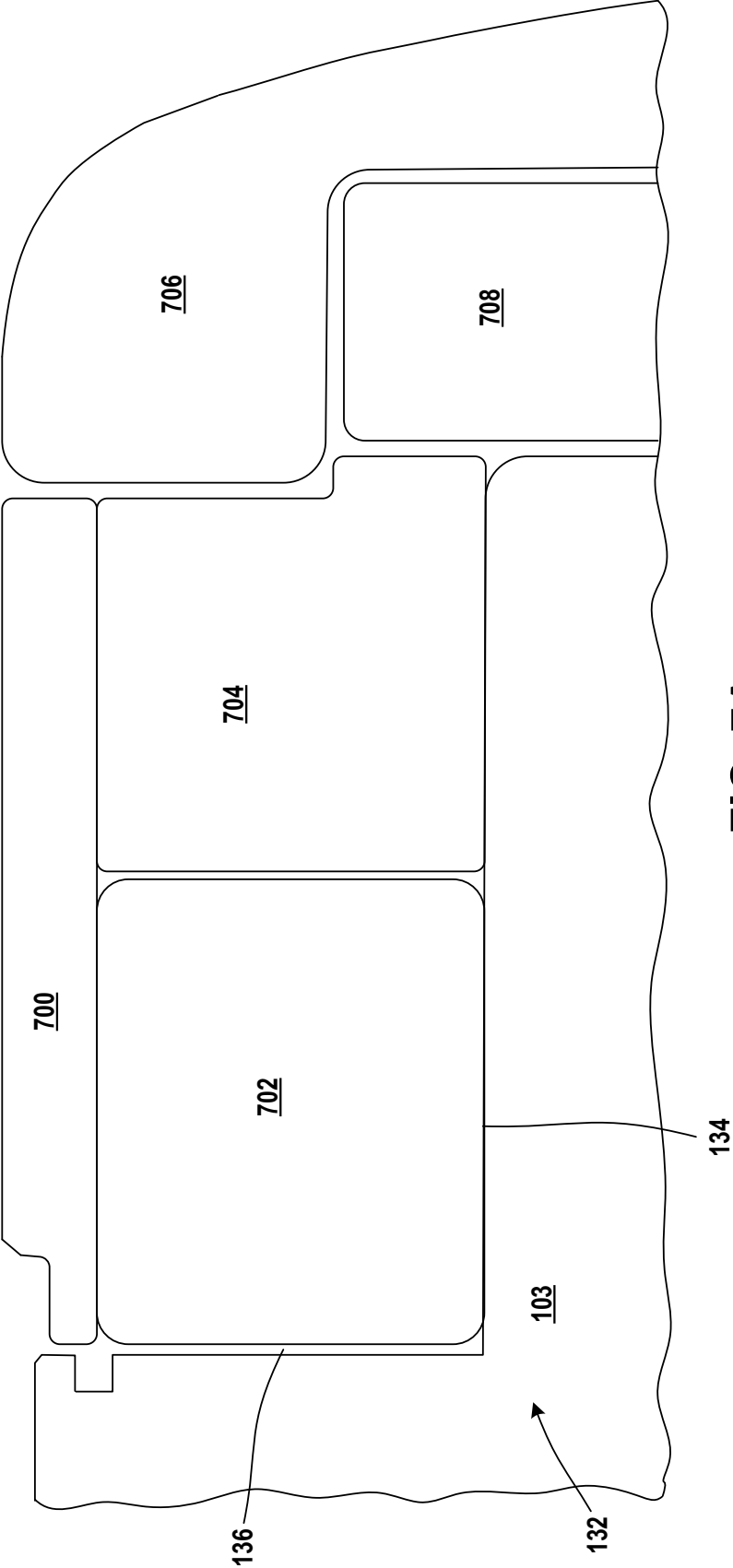


FIG. 7A

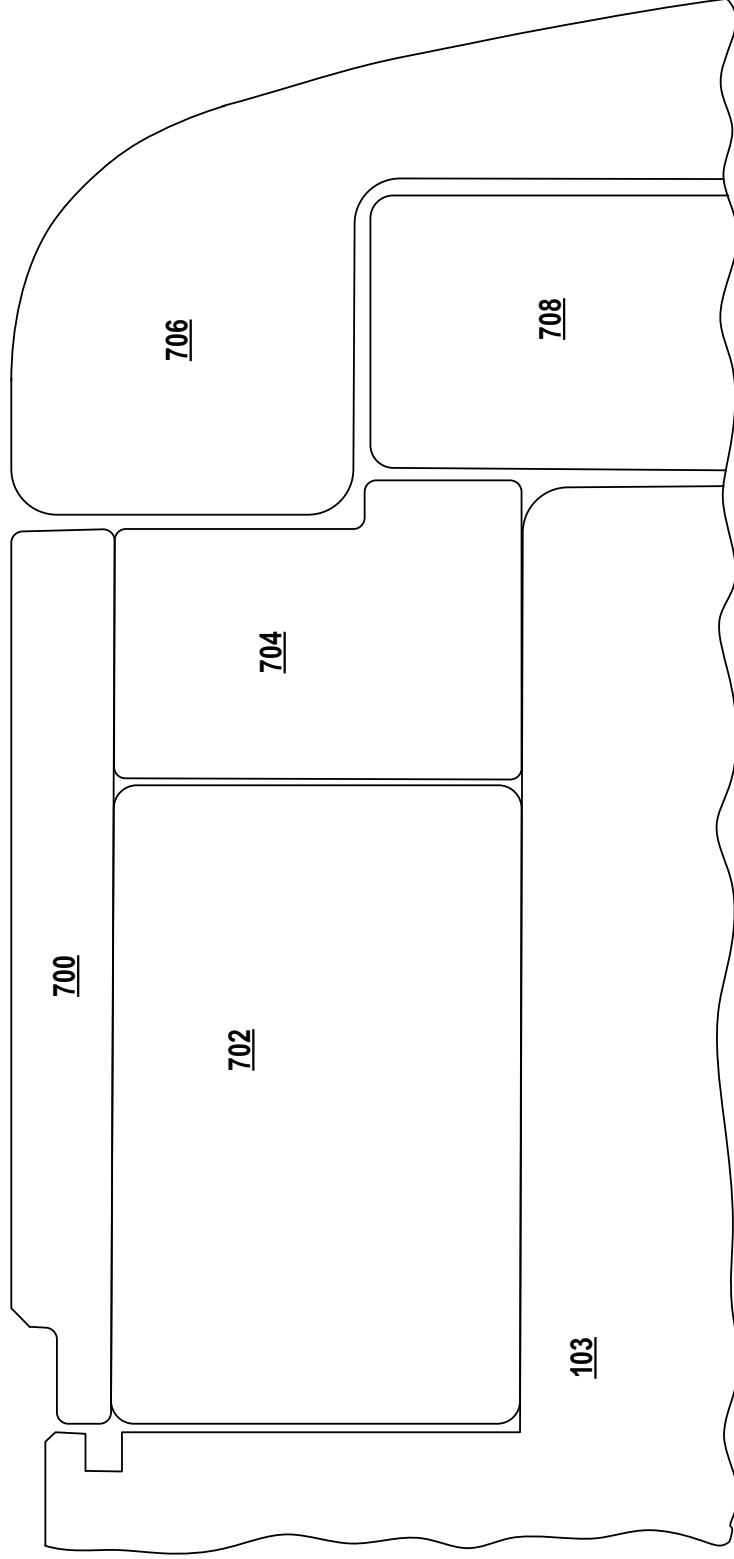


FIG. 7B

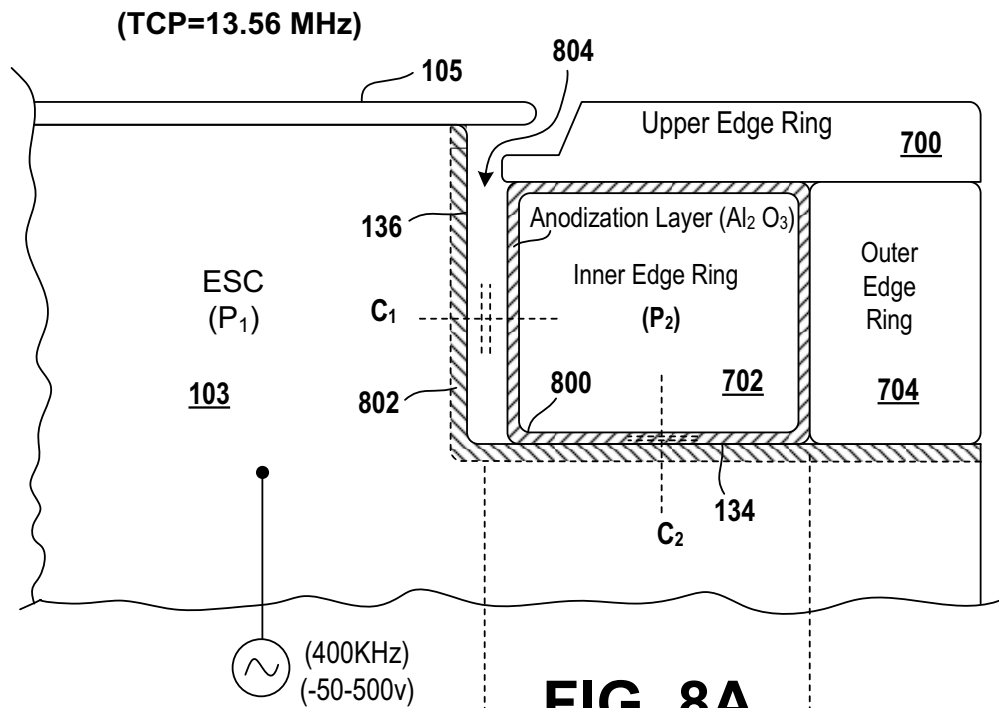


FIG. 8A

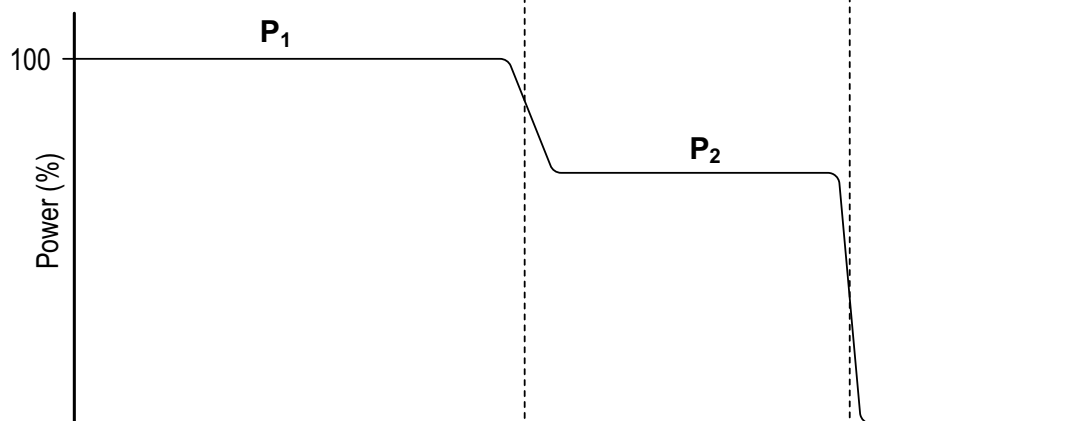


FIG. 8B

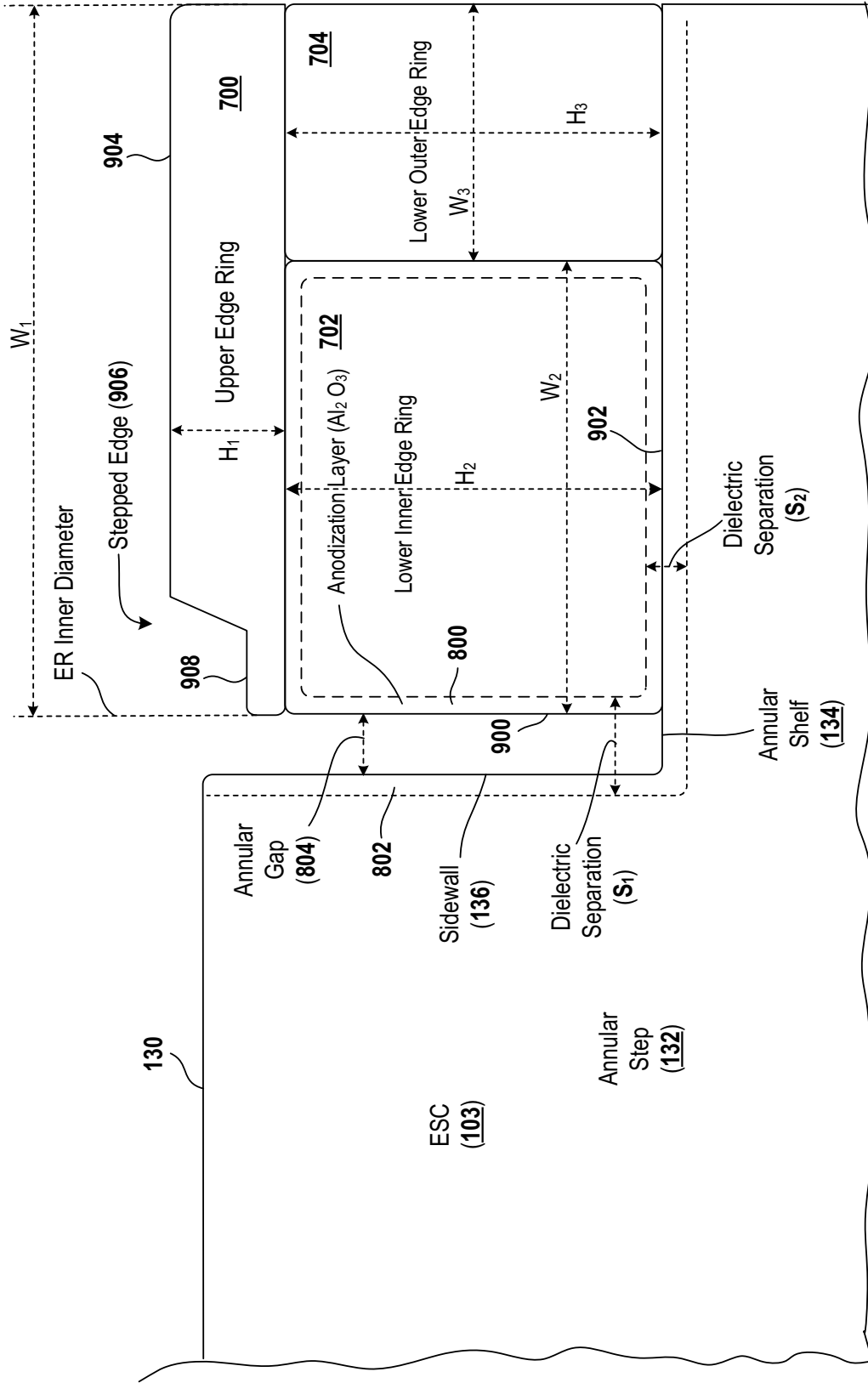


Fig. 9

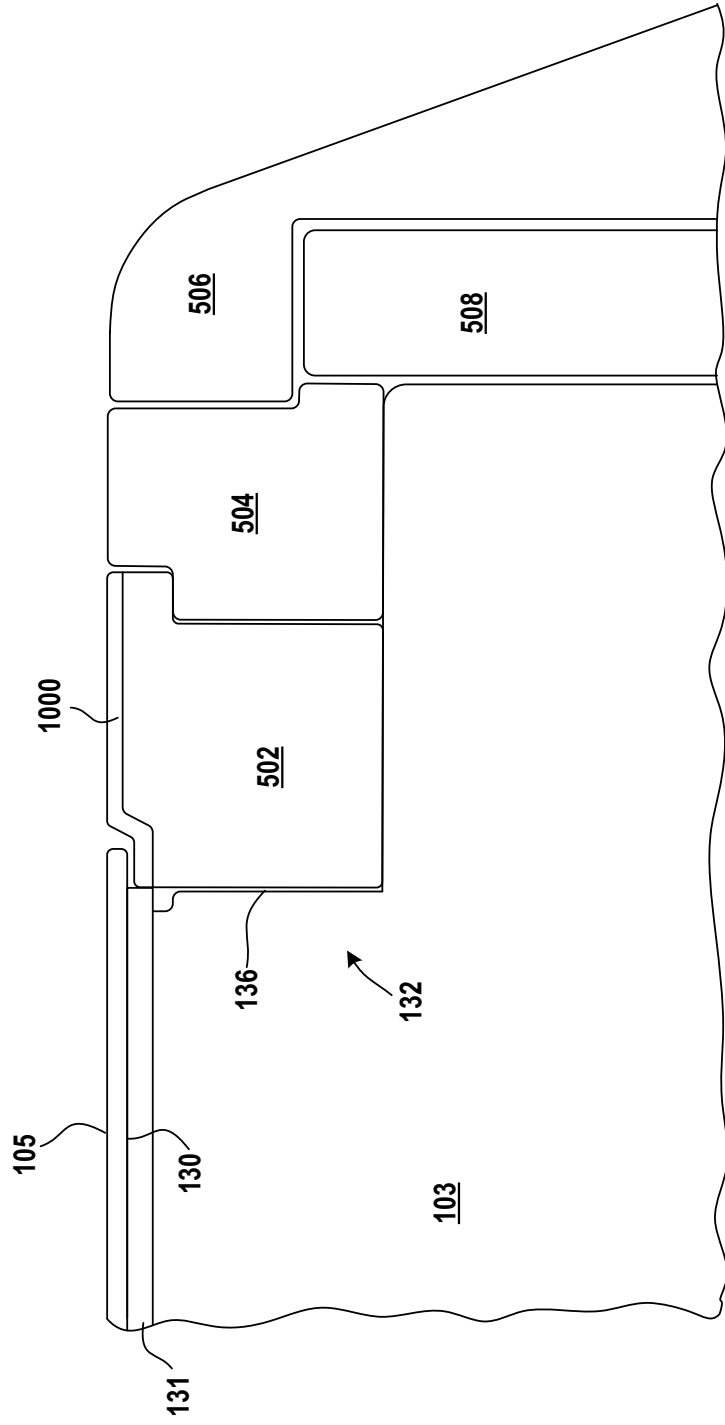


FIG. 10

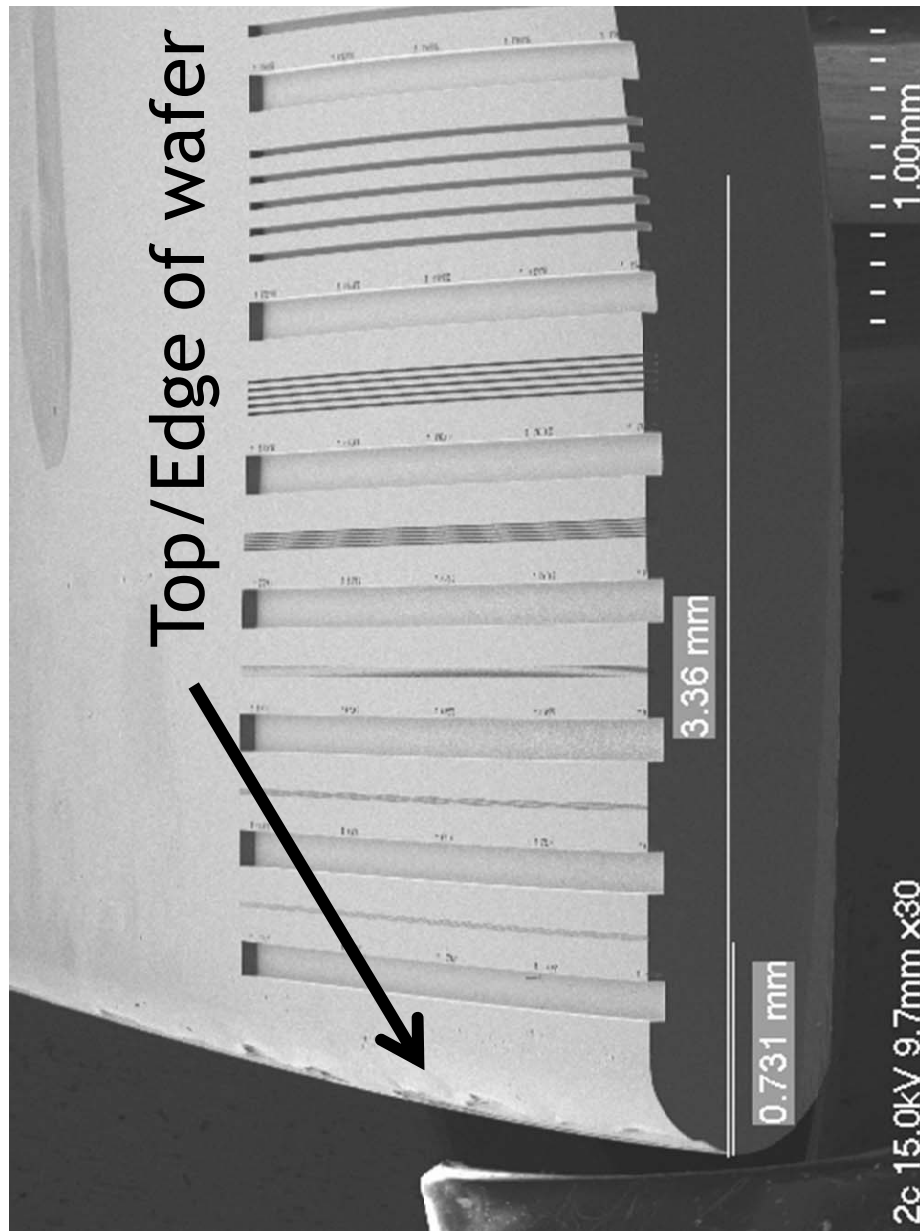


FIG. 11

EE (mm)	Tilt(°) STD	Tilt(°) HAA Y	Trench CD (μm)
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

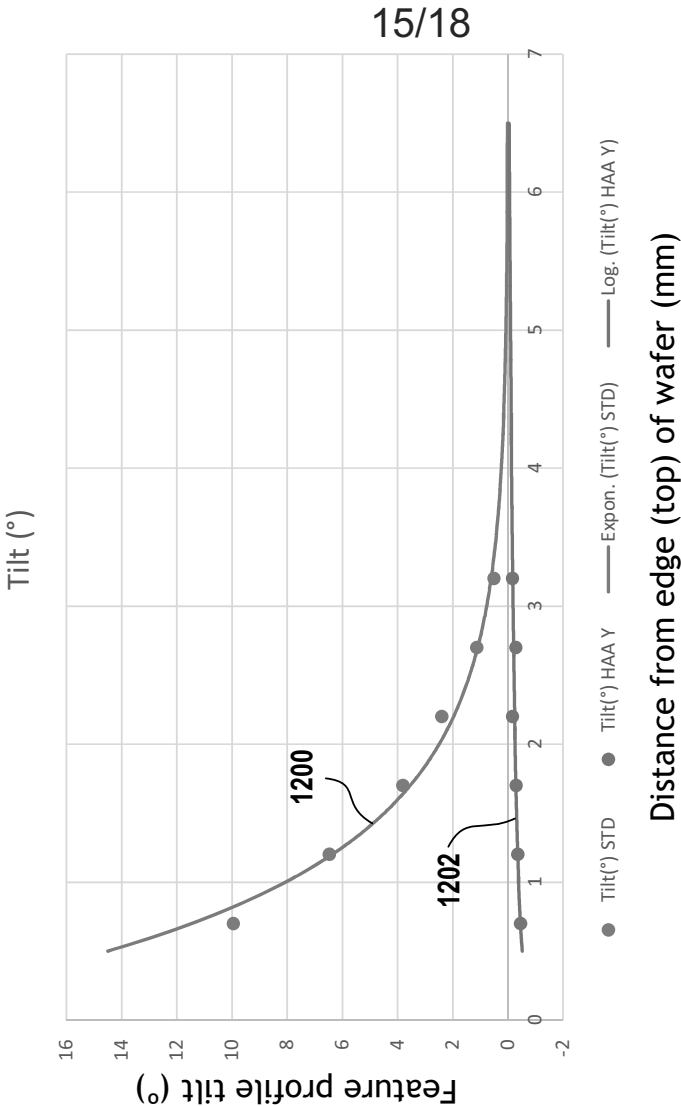


FIG. 12B

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

STD HW

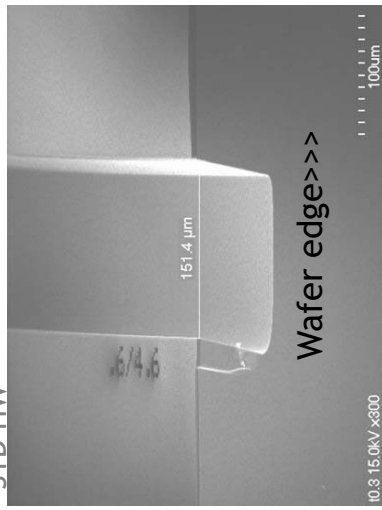


FIG. 13A

HAA Y HW

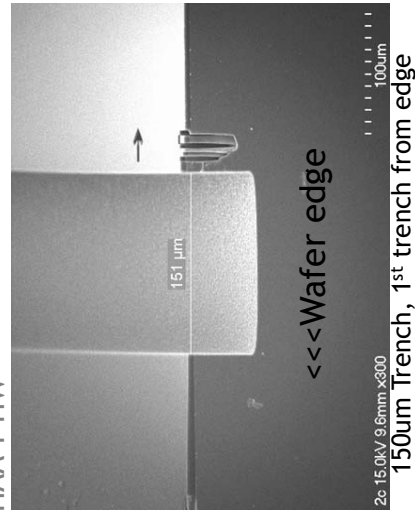


FIG. 13D

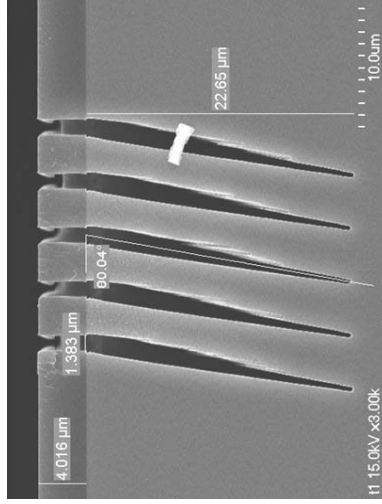


FIG. 13B

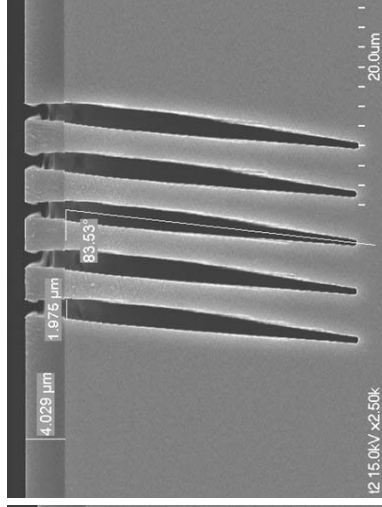


FIG. 13C

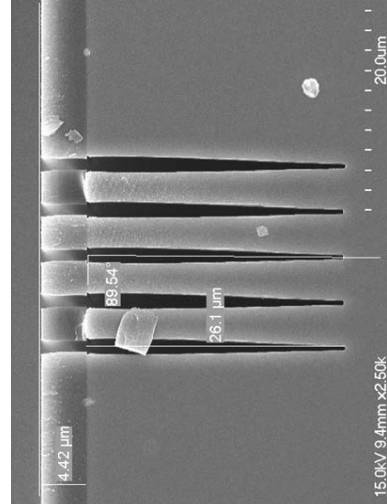


FIG. 13E

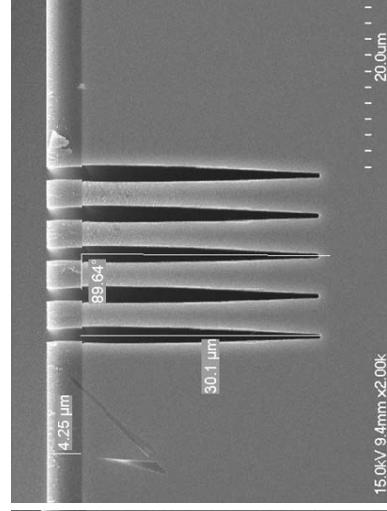
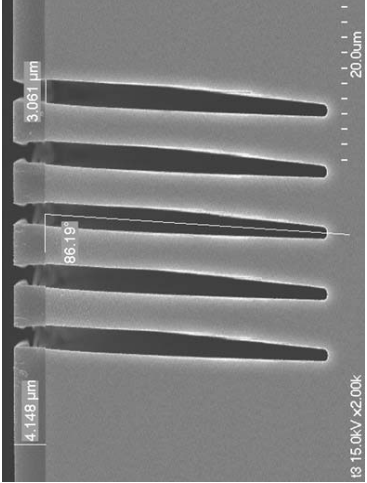


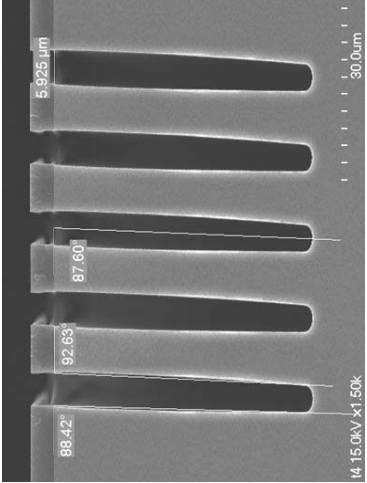
FIG. 13F

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

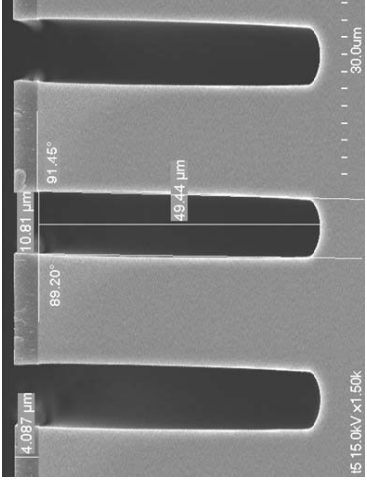
STD HW



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

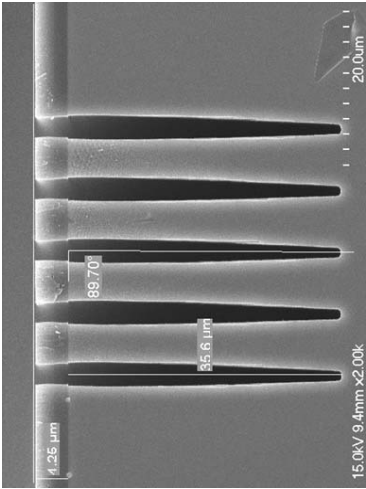


5.0um Tr/9.0um Sp
~2.2mm EE, Tilt~2.4°
FIG. 14B

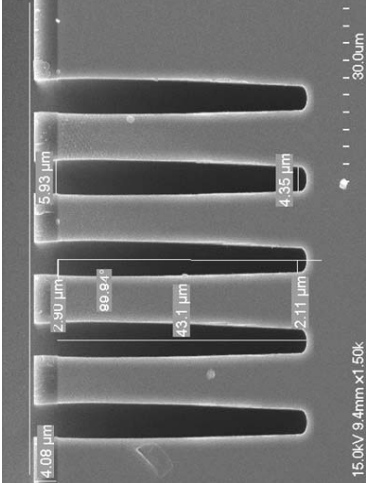


10.0um Tr/20.0um Sp
~2.7mm EE, Tilt~1.13°
FIG. 14C

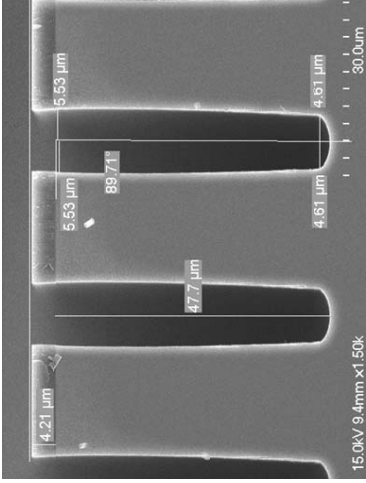
HAA Y HW



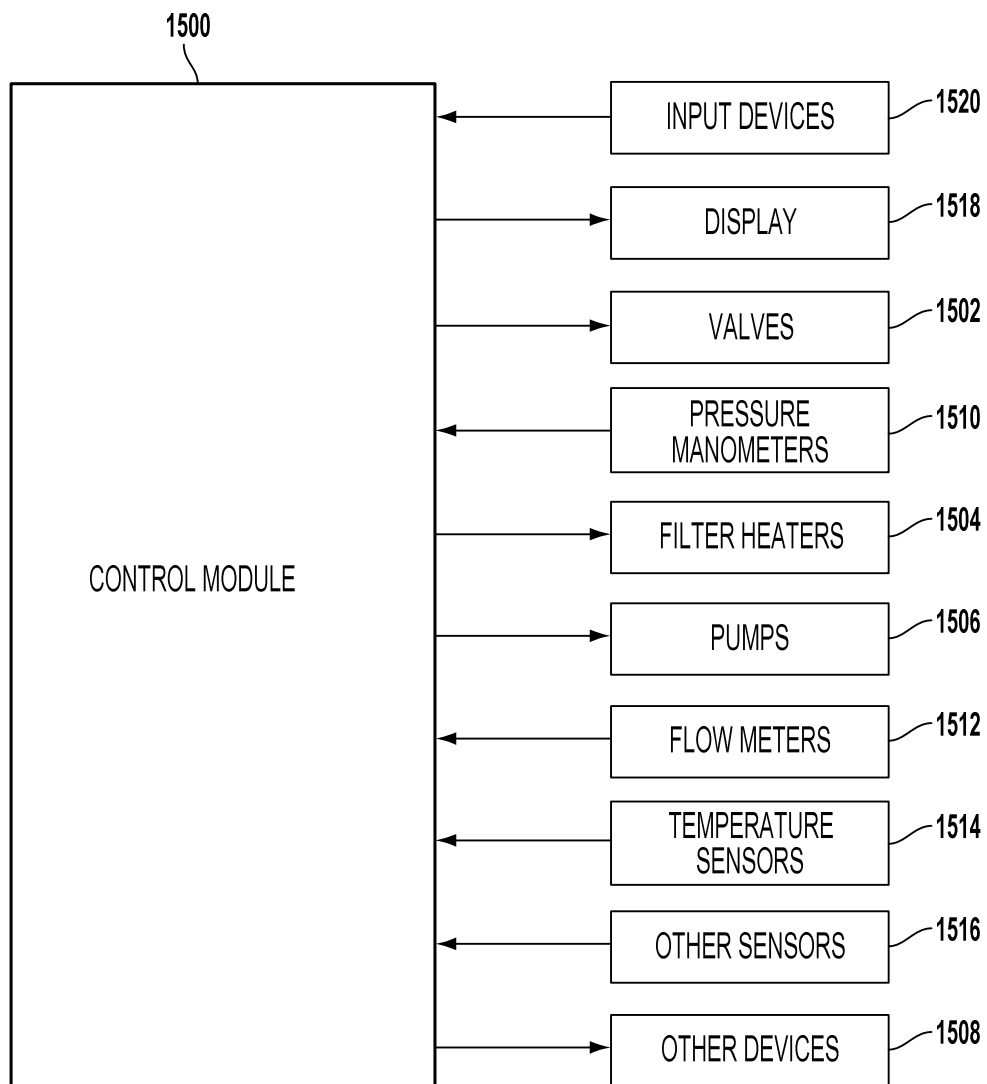
2.0um Tr/6.0um Sp
~1.7mm EE, Tilt~ -0.3°
FIG. 14D



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



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

**FIG. 15**