

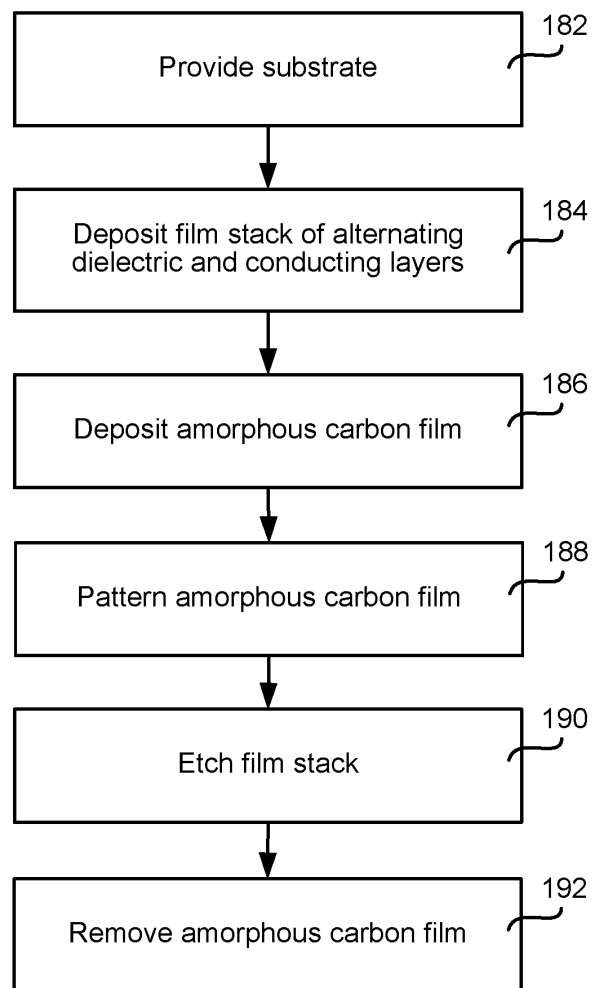
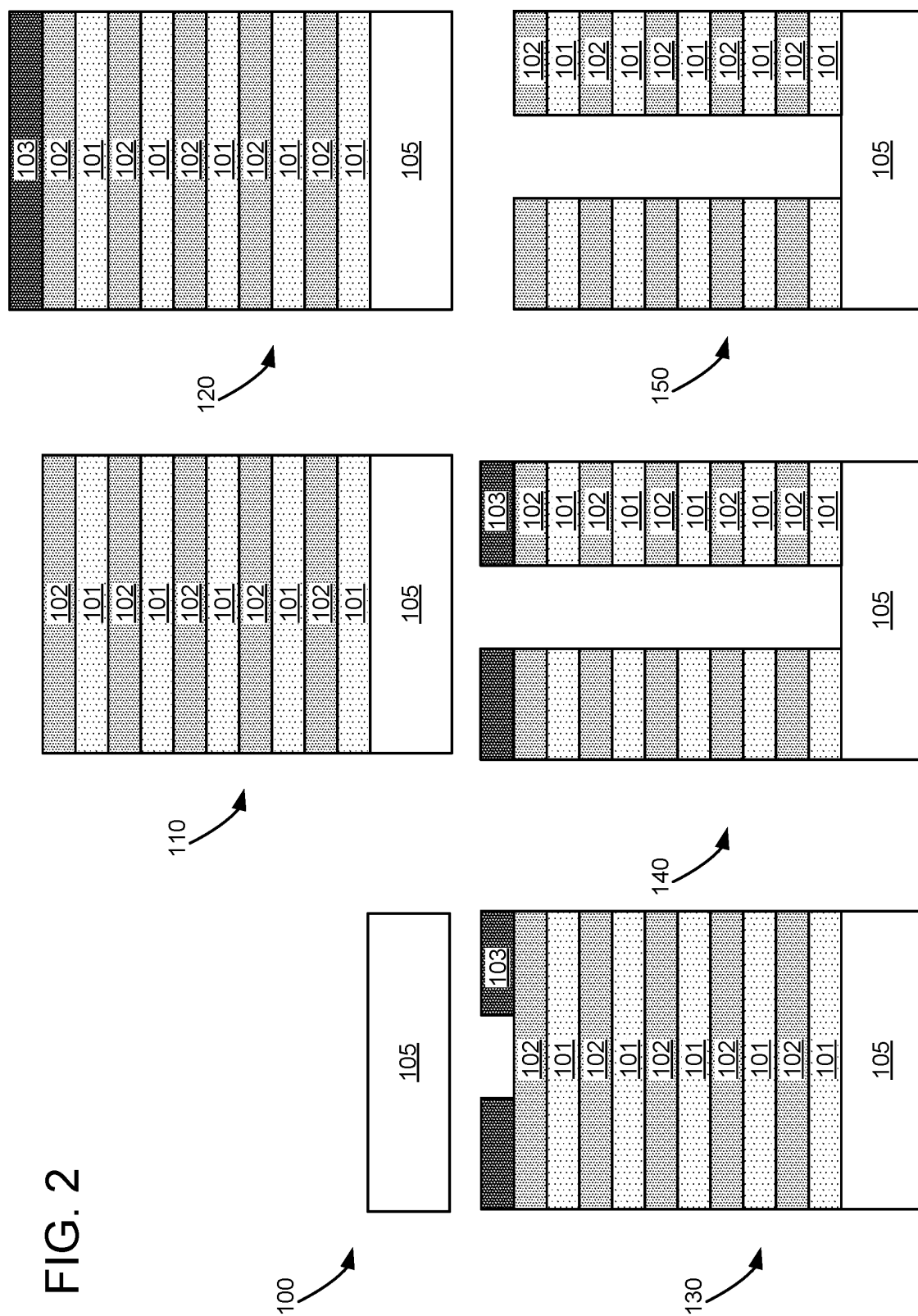


FIG. 1



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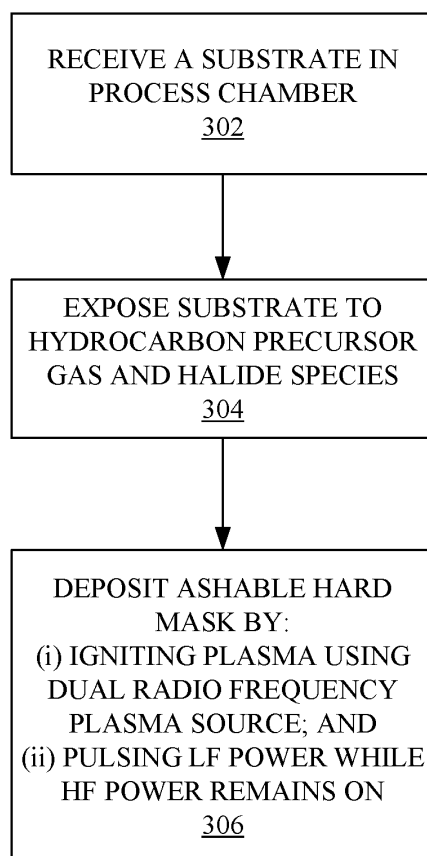


FIG. 3

Deposition Conditions	Composition by SIMS				Modulus (GPa), 6kA, As deposited	Hardness (GPa), 6kA, As deposited	Modulus (GPa), 26kA, As deposited	Hardness (GPa), 26kA, As deposited
	C	H	F	S				
H1.2 Baseline	78.0%	21.0%	NA	NA	131	16	128	16
5% SF6 flow to C2H2	84.1%	14.7%	2ppm	1.2%	124	14	119	14
5% CF4 flow to C2H2	81.3%	18.5%	0.2%	NA	131	15	128	16
10% CF4 flow to C2H2	82.4%	17.4%	0.2%	NA	131	15	128	16

FIG. 4

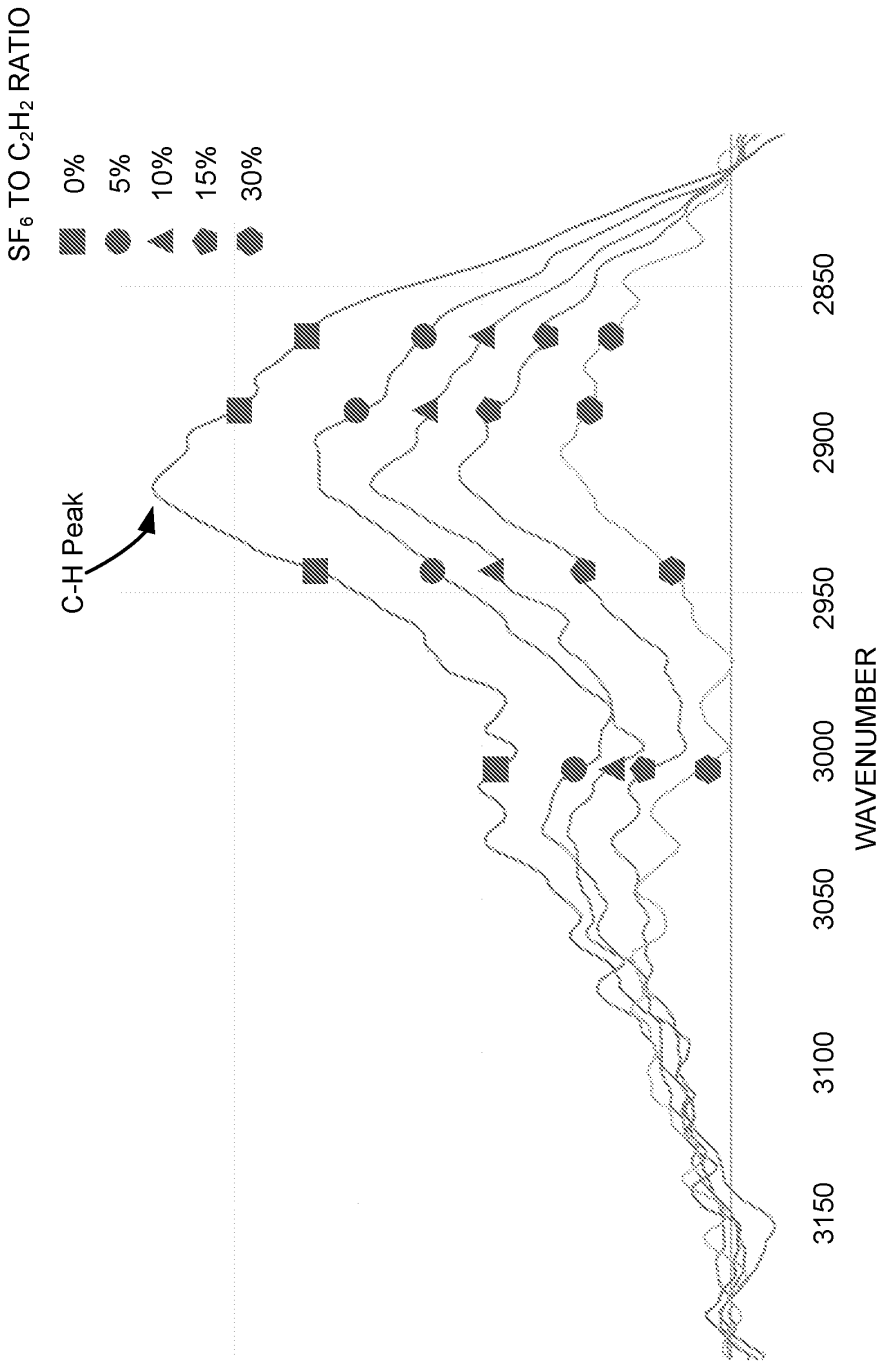


FIG. 5

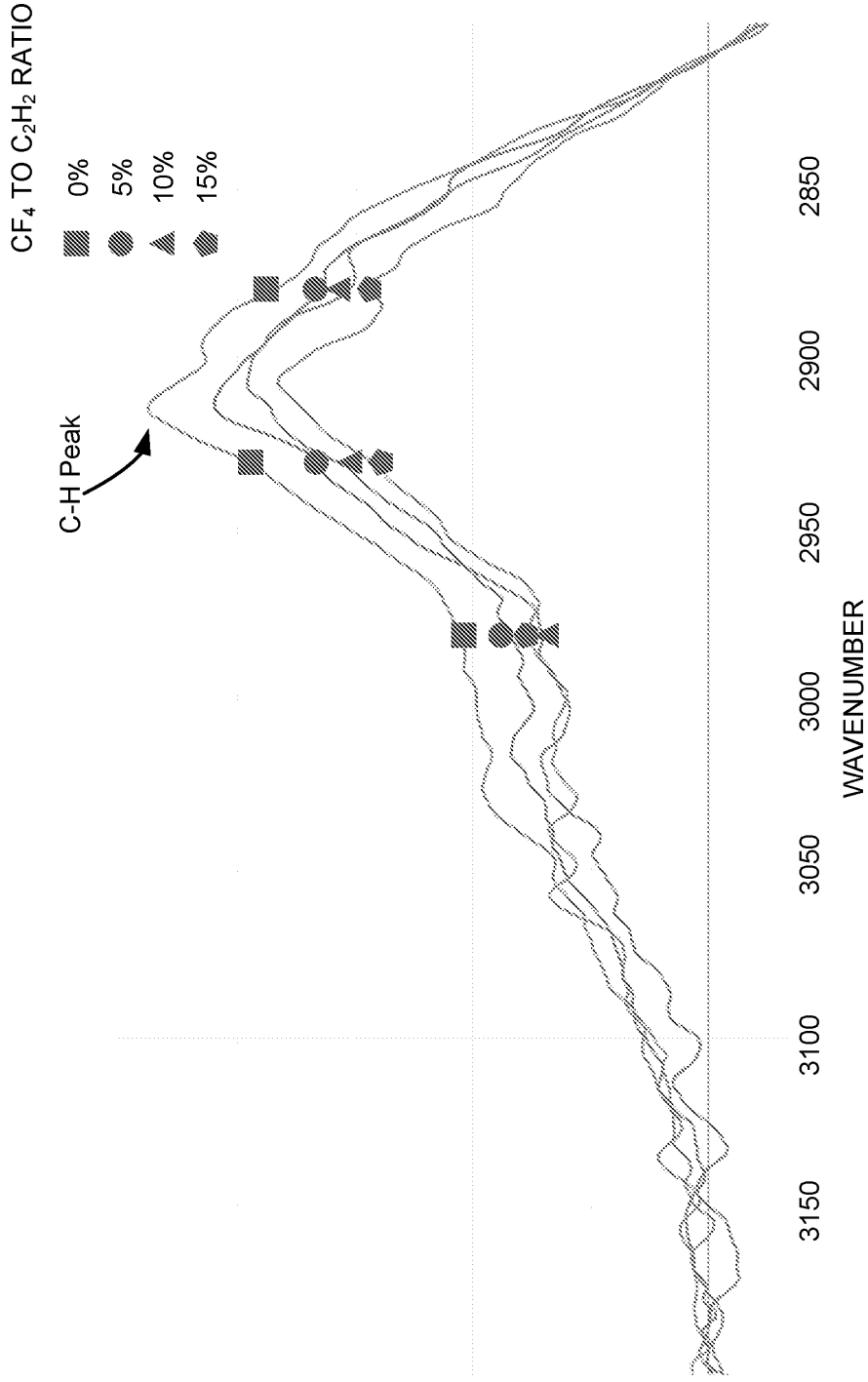


FIG. 6

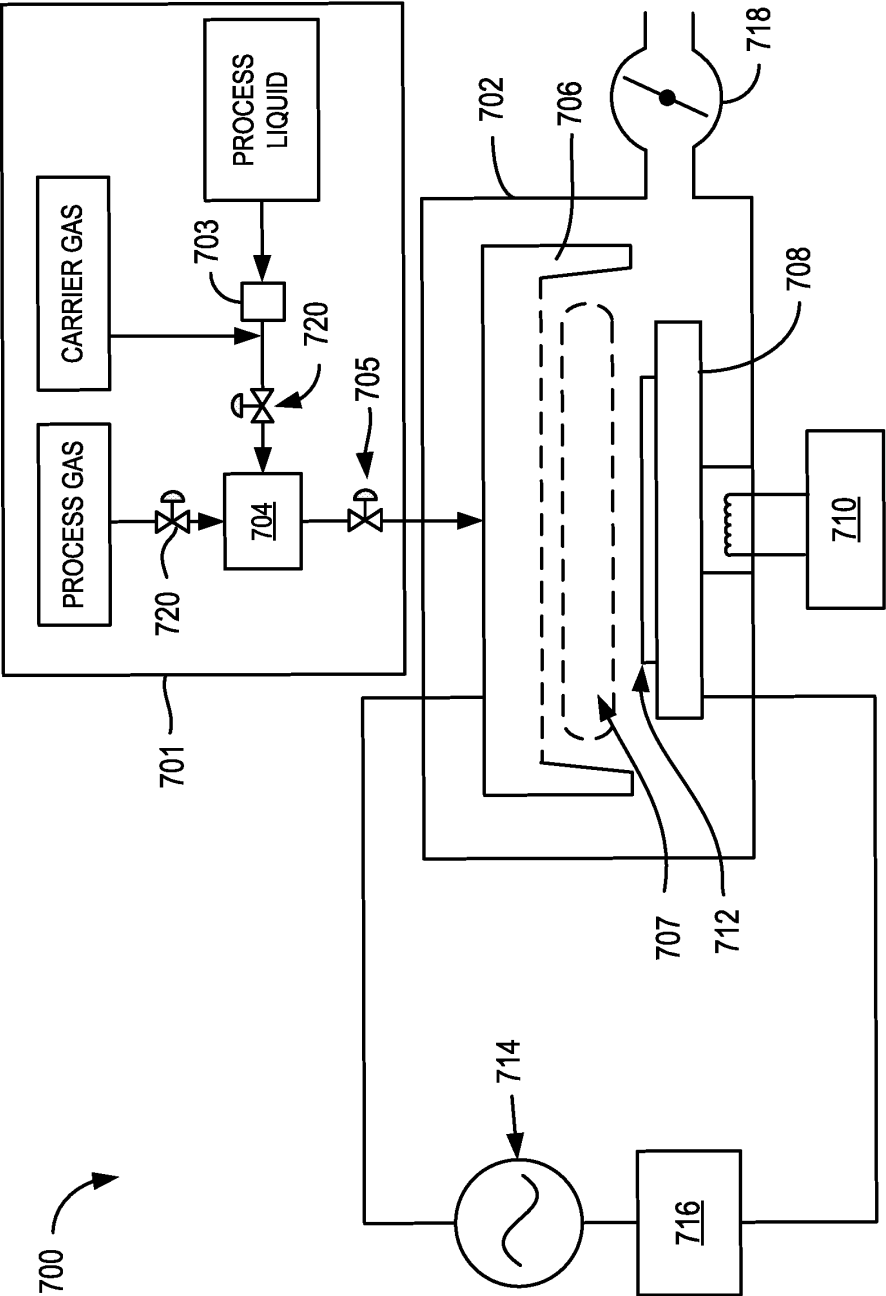


FIG. 7

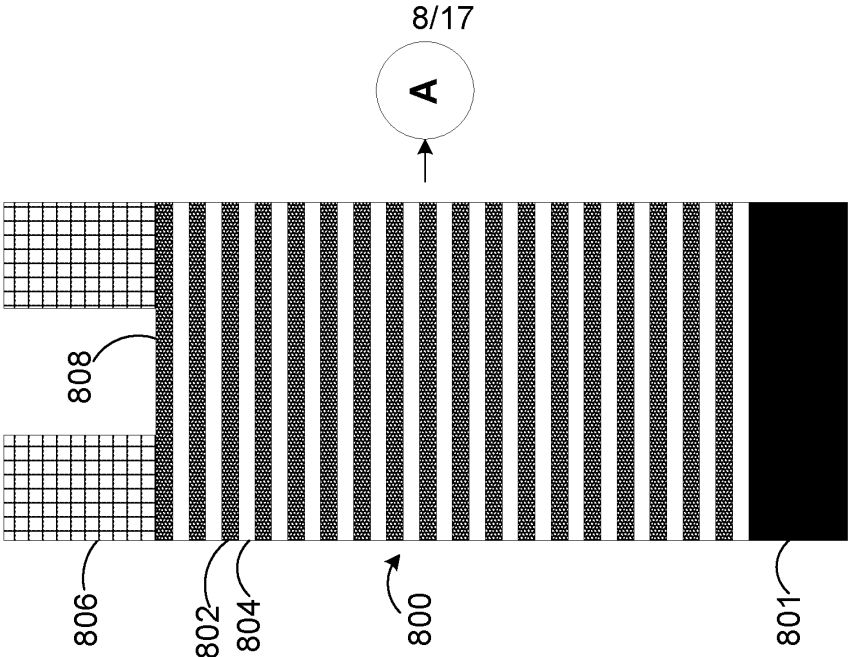


FIG. 8C

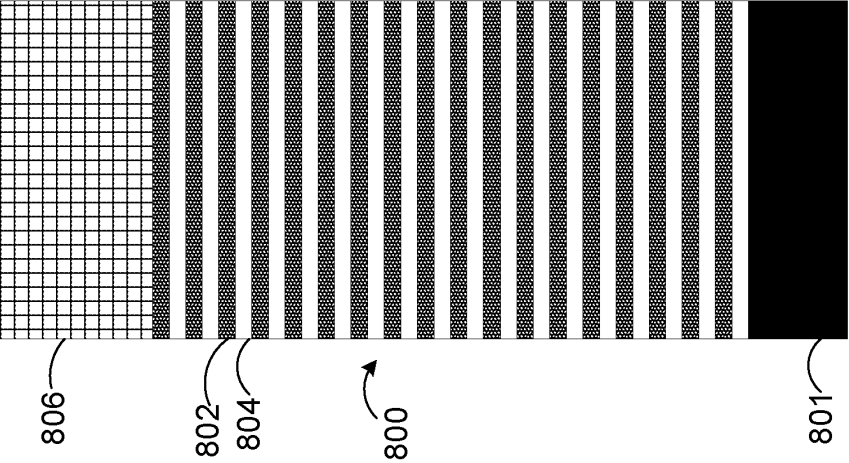


FIG. 8B

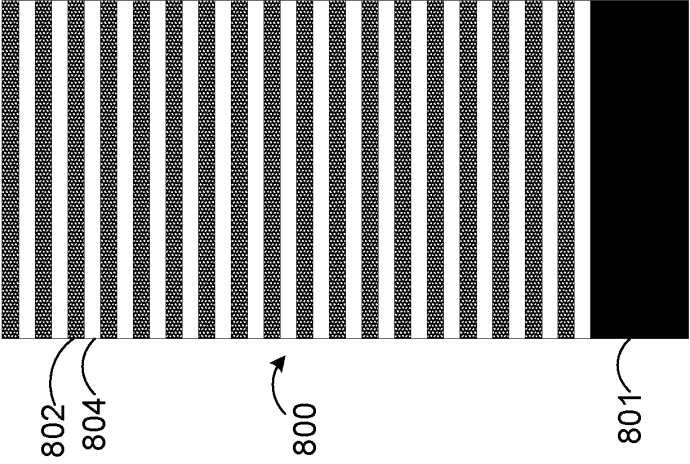


FIG. 8A

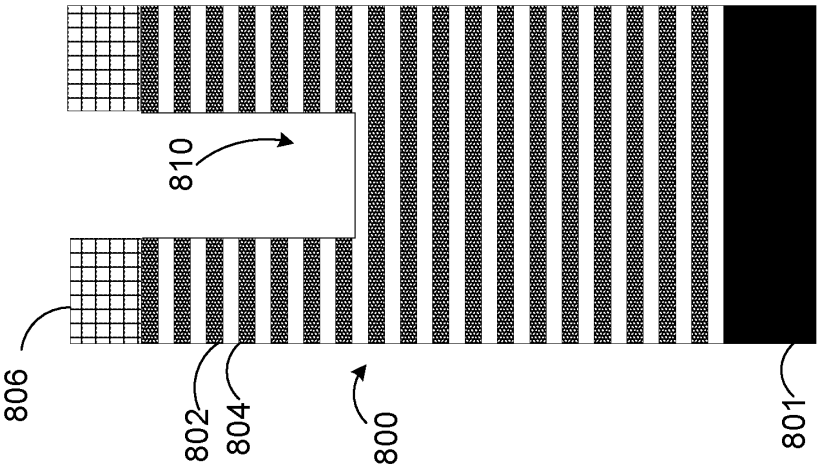


FIG. 8D

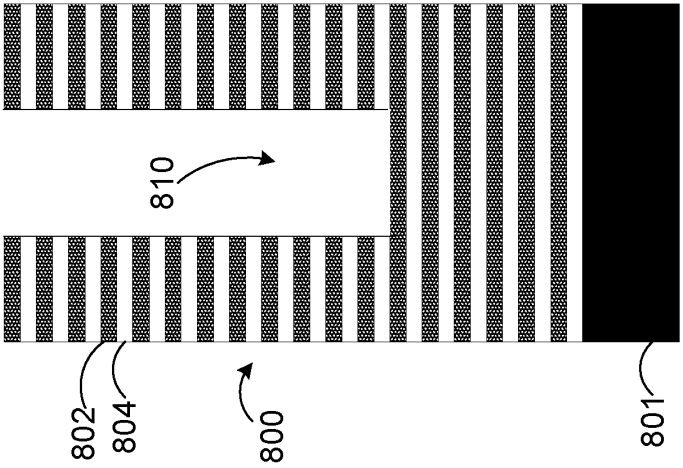
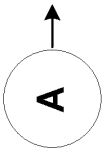


FIG. 8E



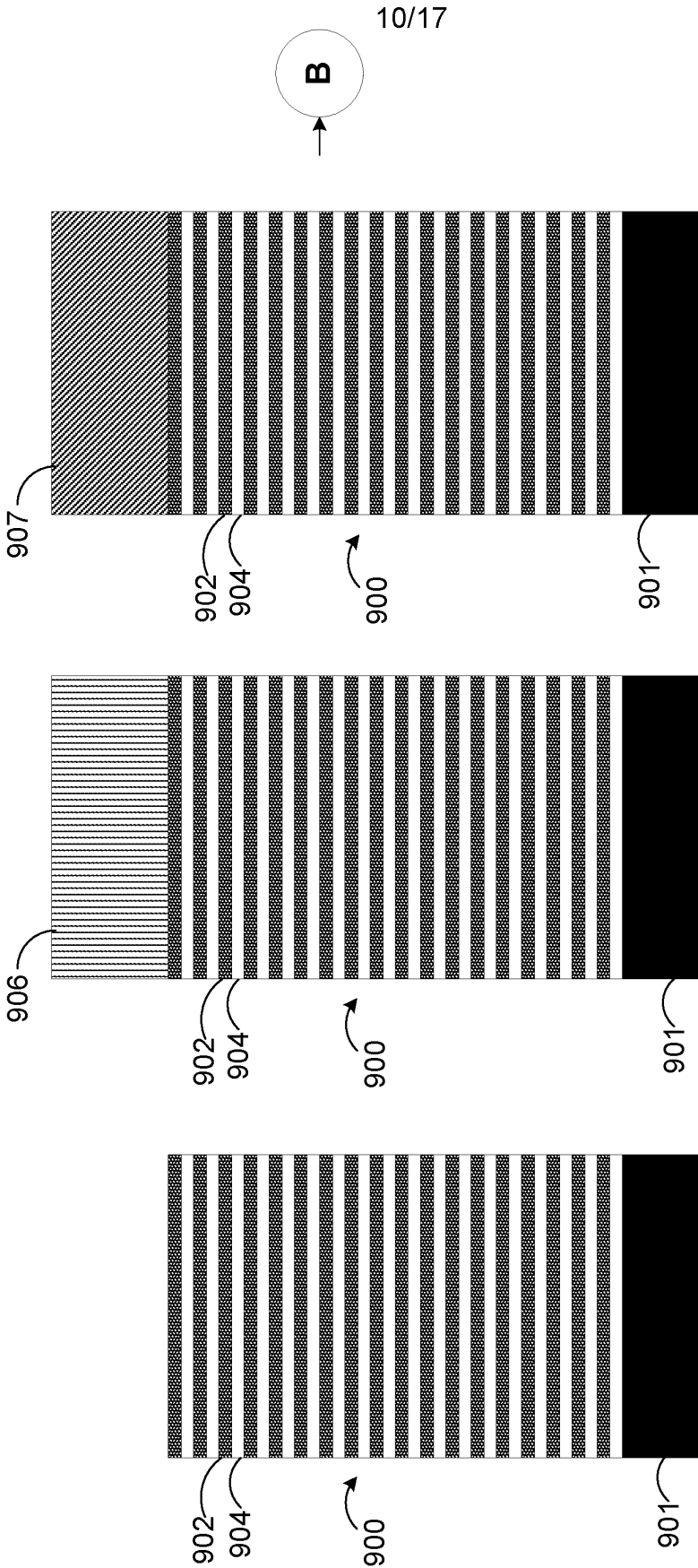


FIG. 9A

FIG. 9B

FIG. 9C

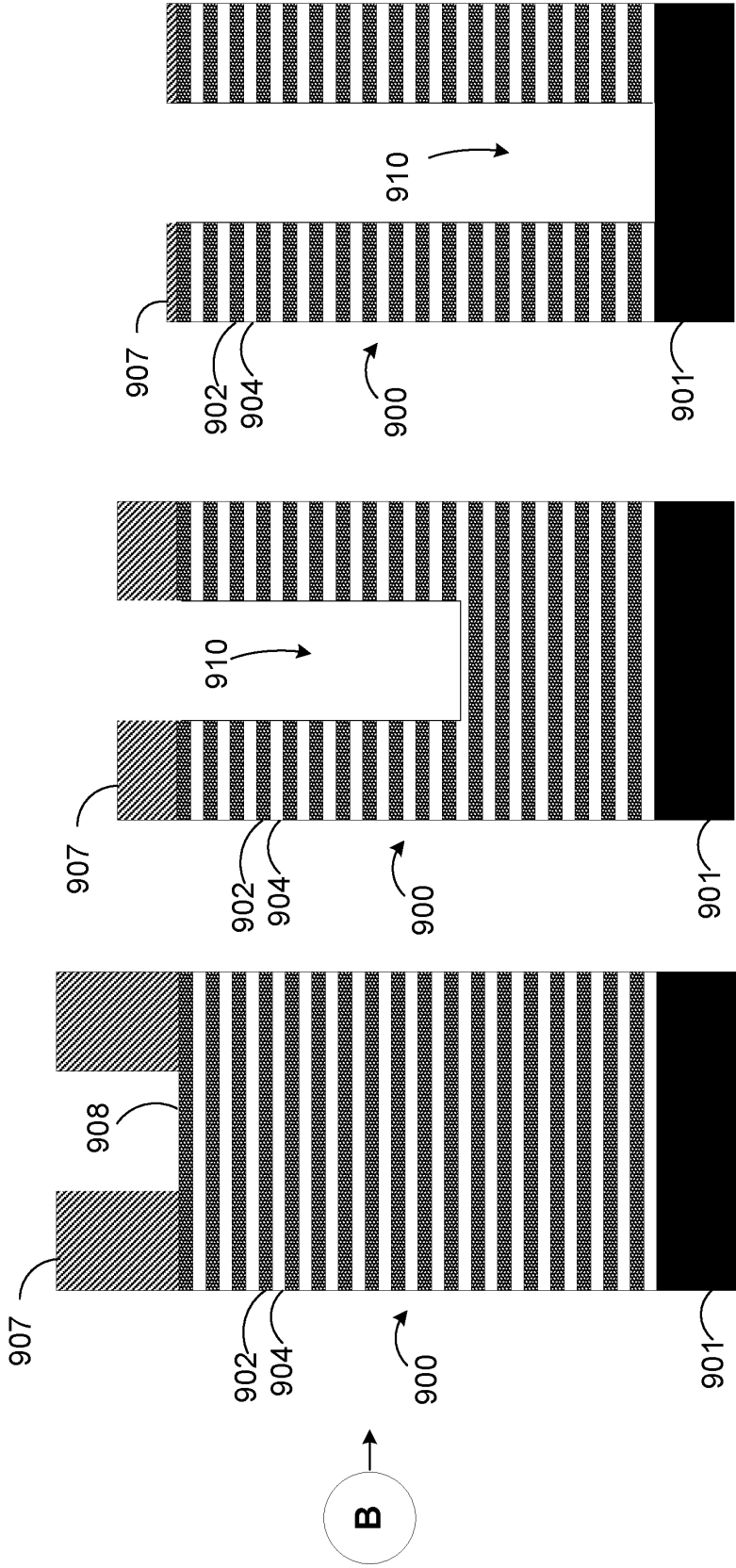


FIG. 9F

FIG. 9E

FIG. 9D

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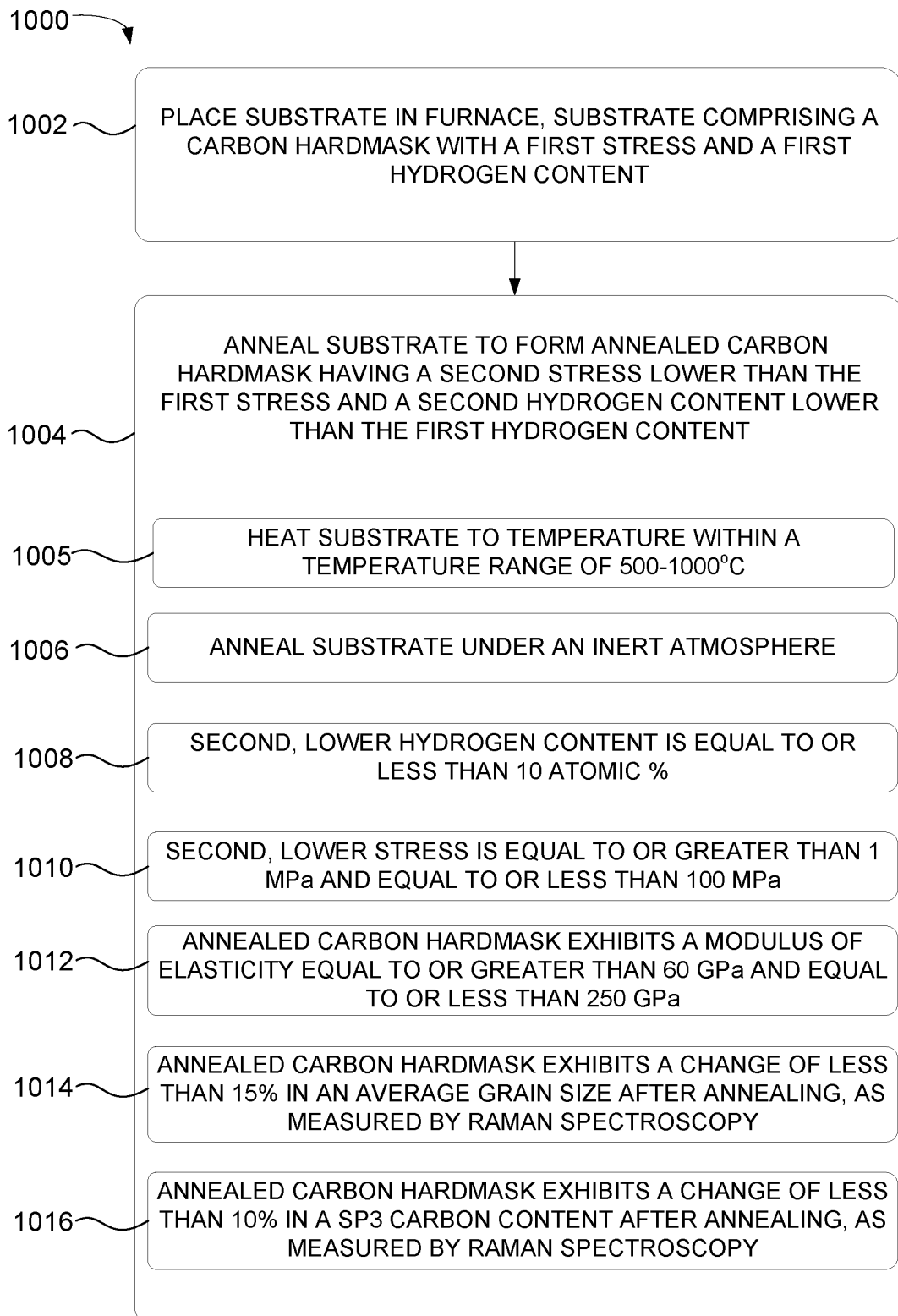


FIG. 10

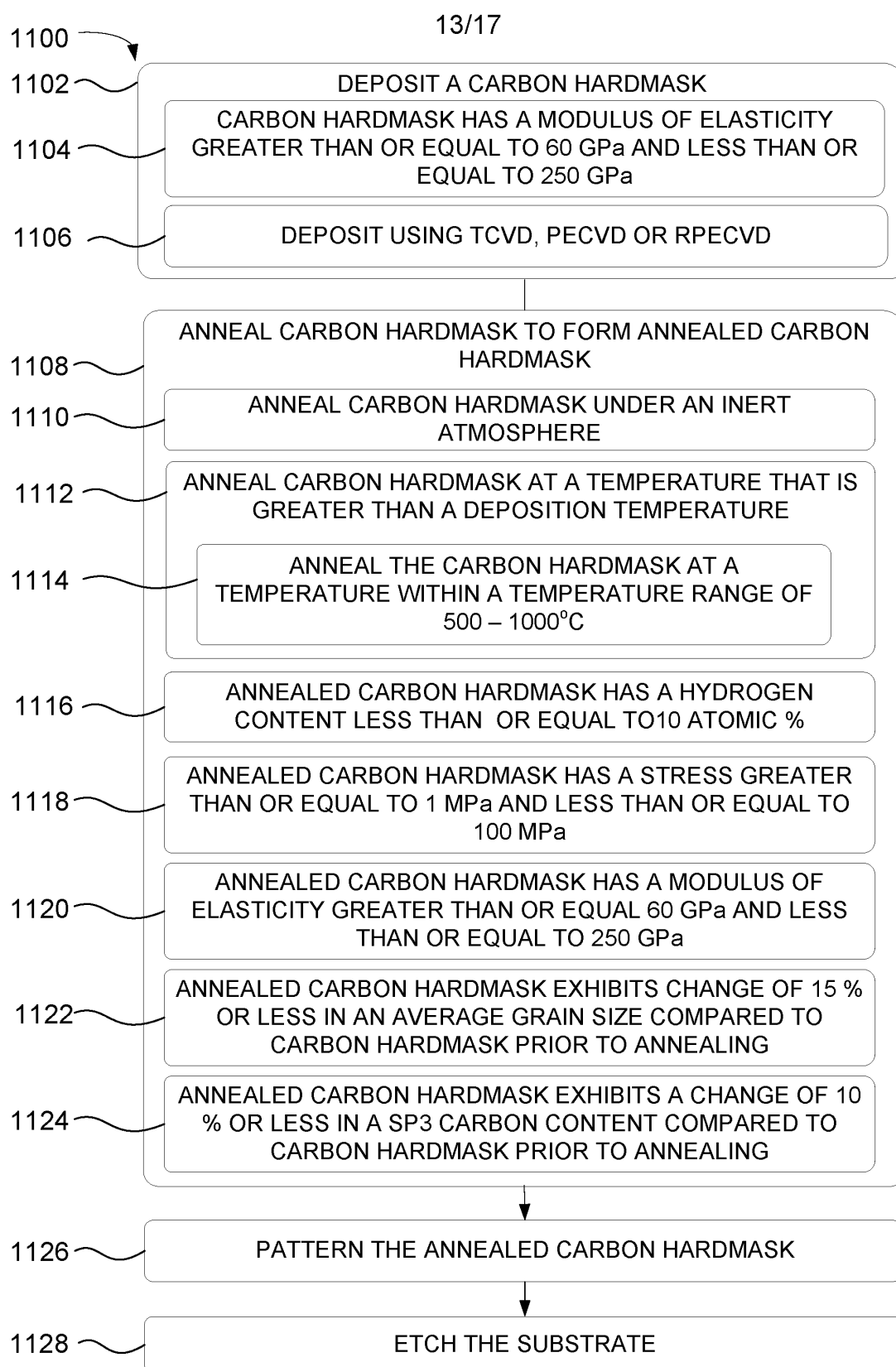


FIG. 11

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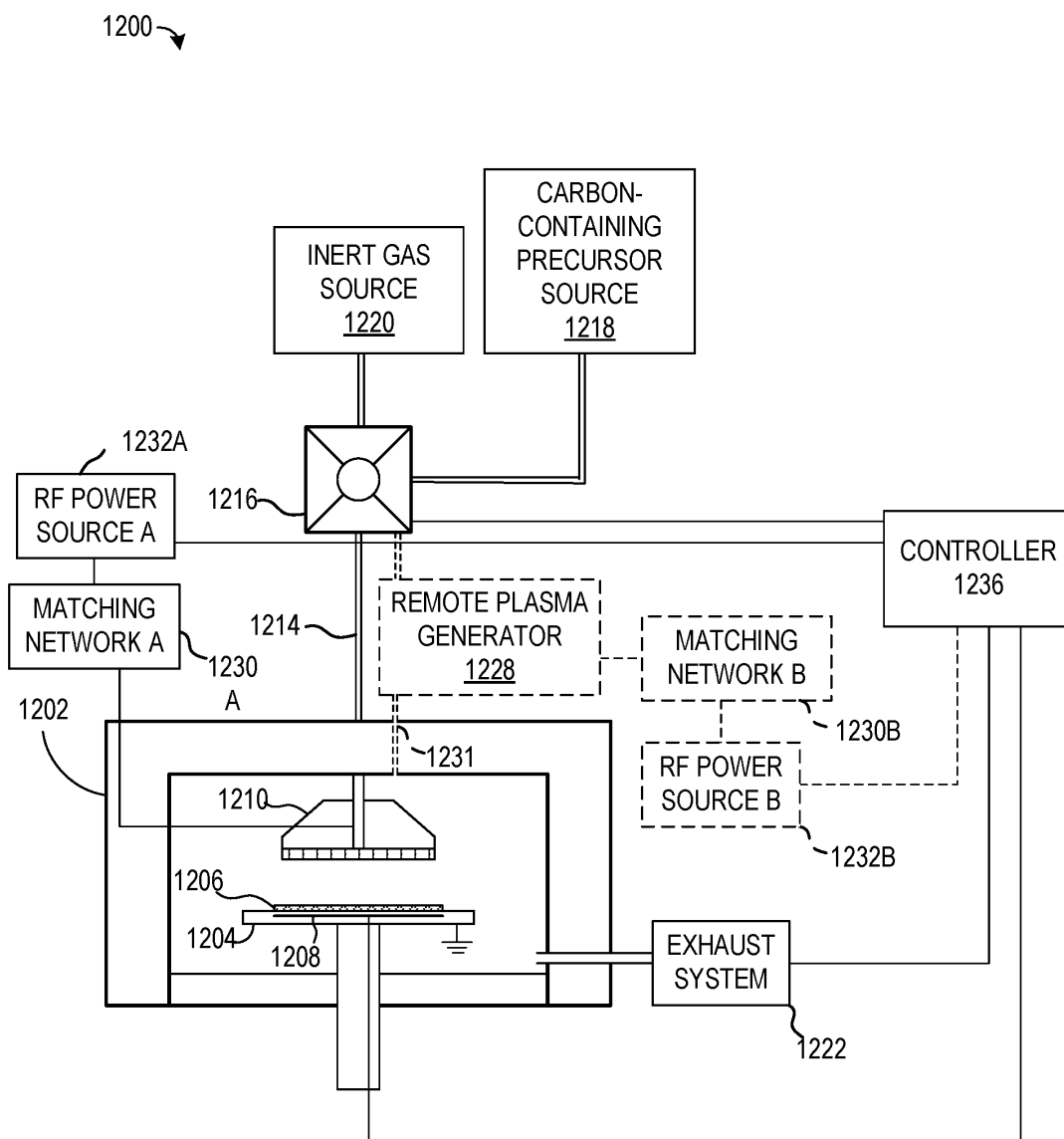


FIG. 12

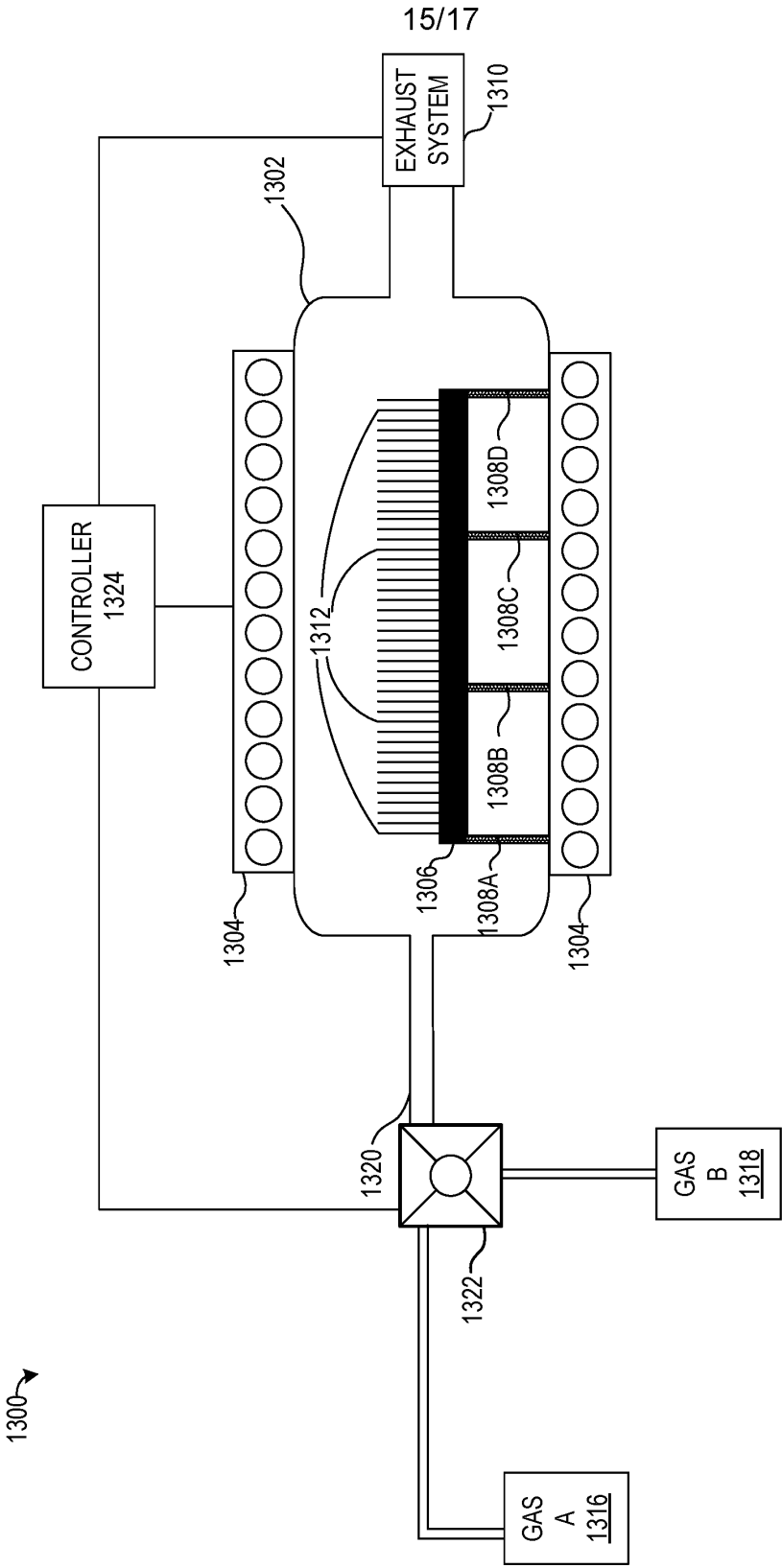


FIG. 13

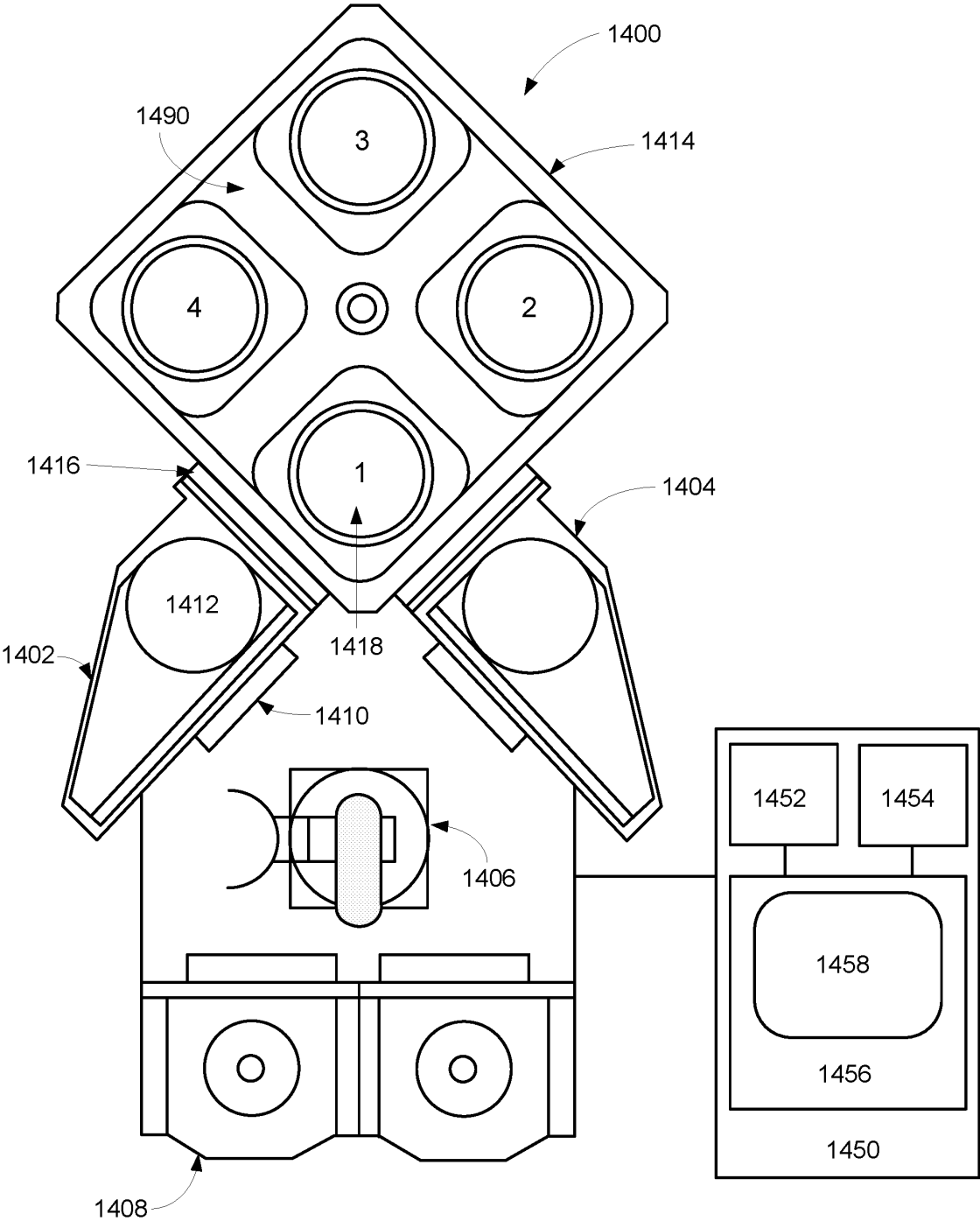


FIG. 14

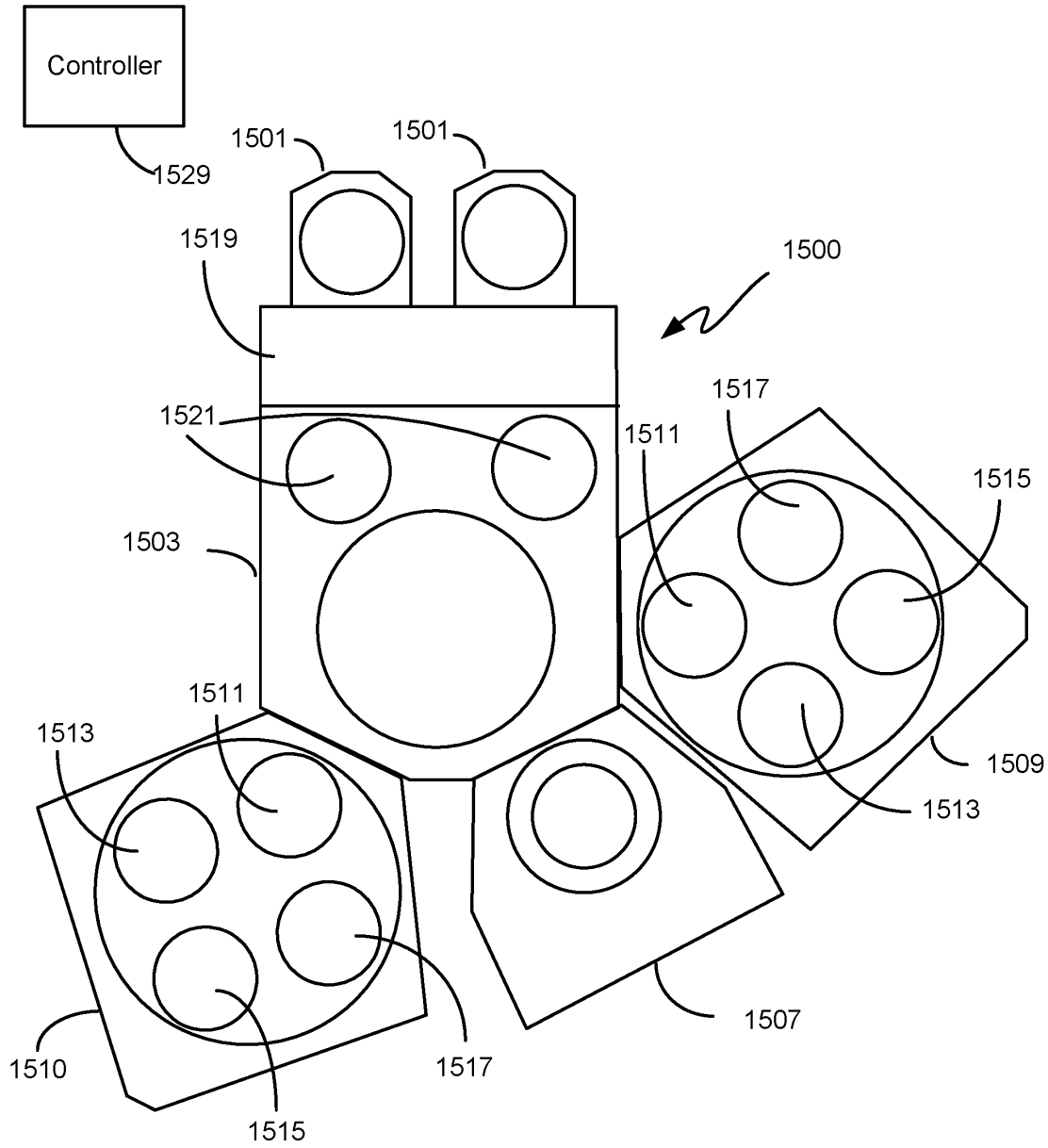


FIG. 15