

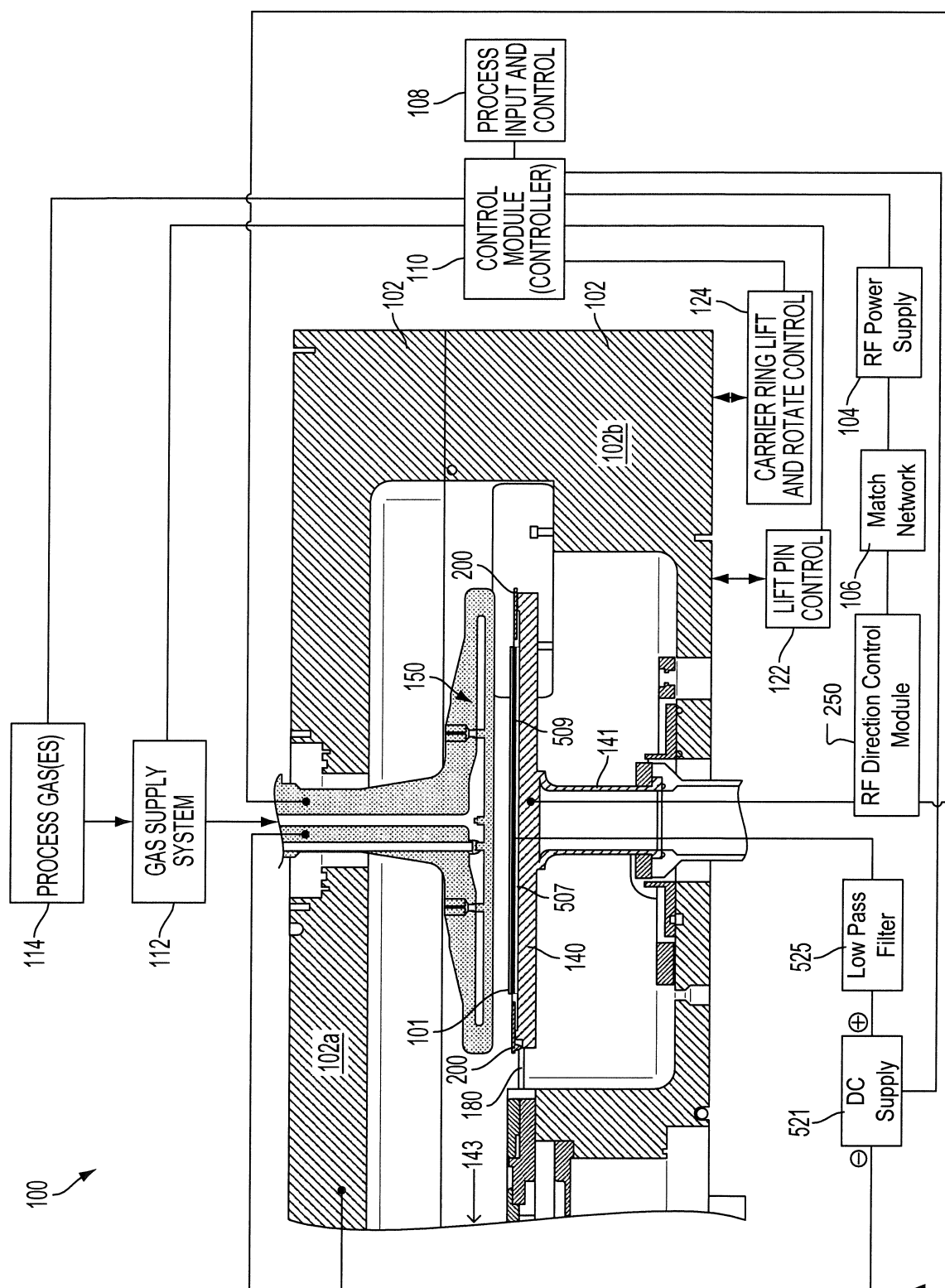


Fig. 1A

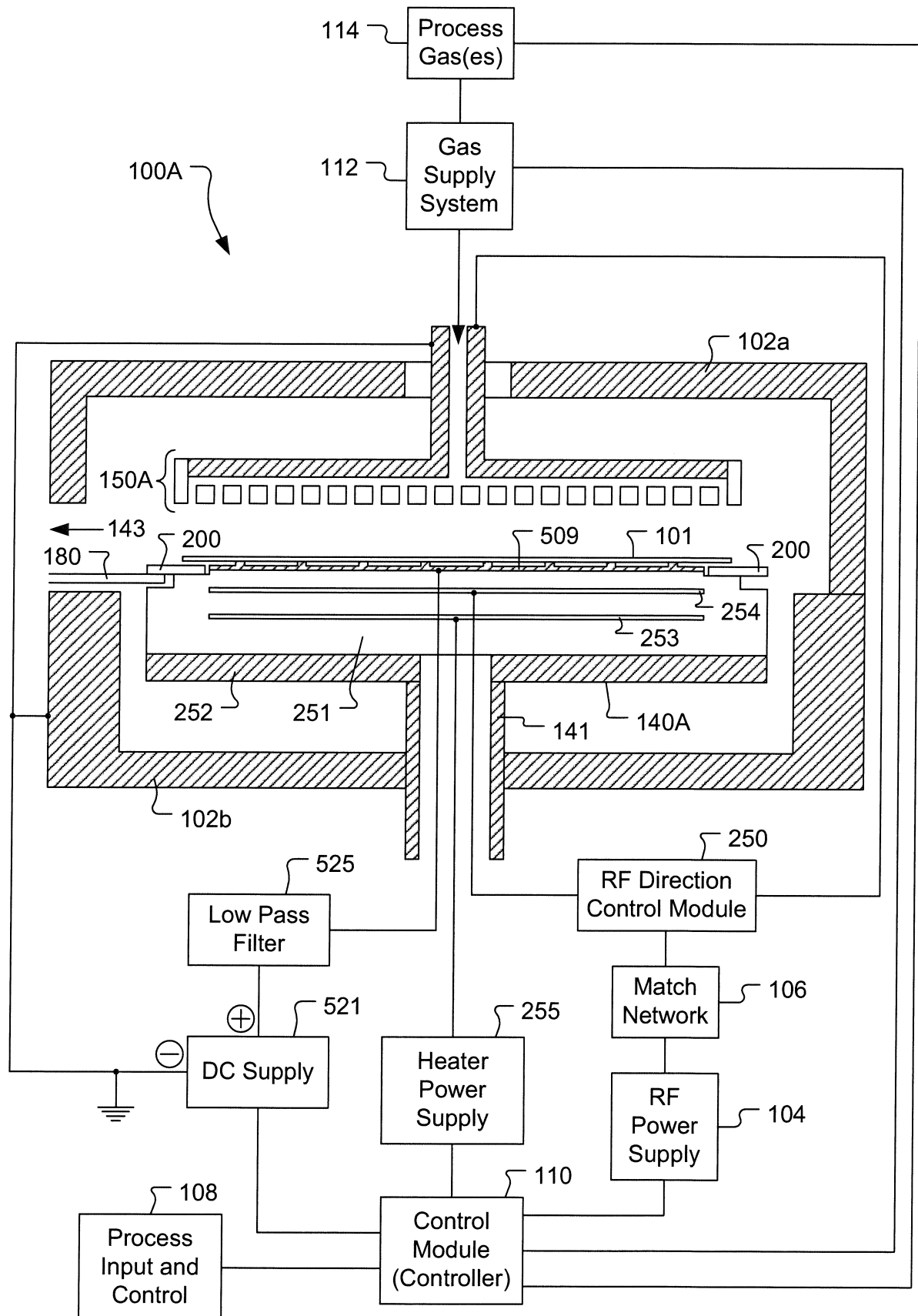


Fig. 1B

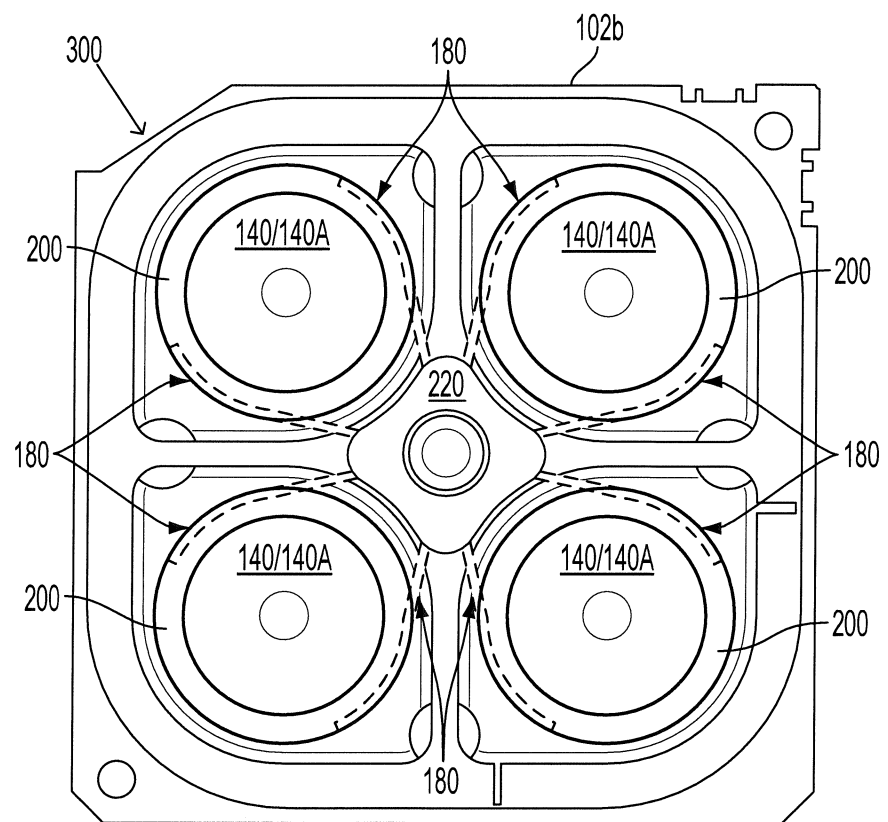


Fig. 2

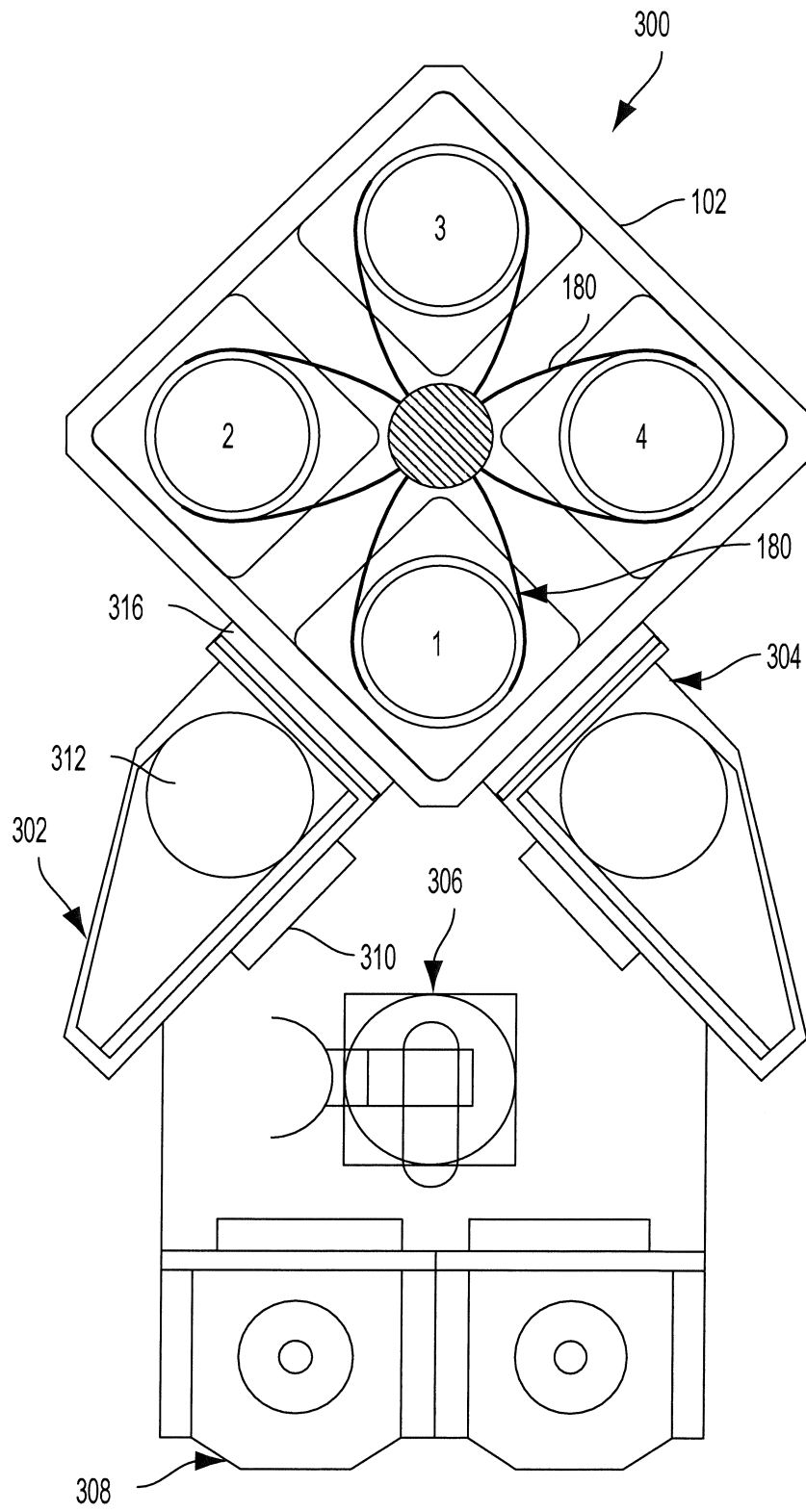


Fig. 3

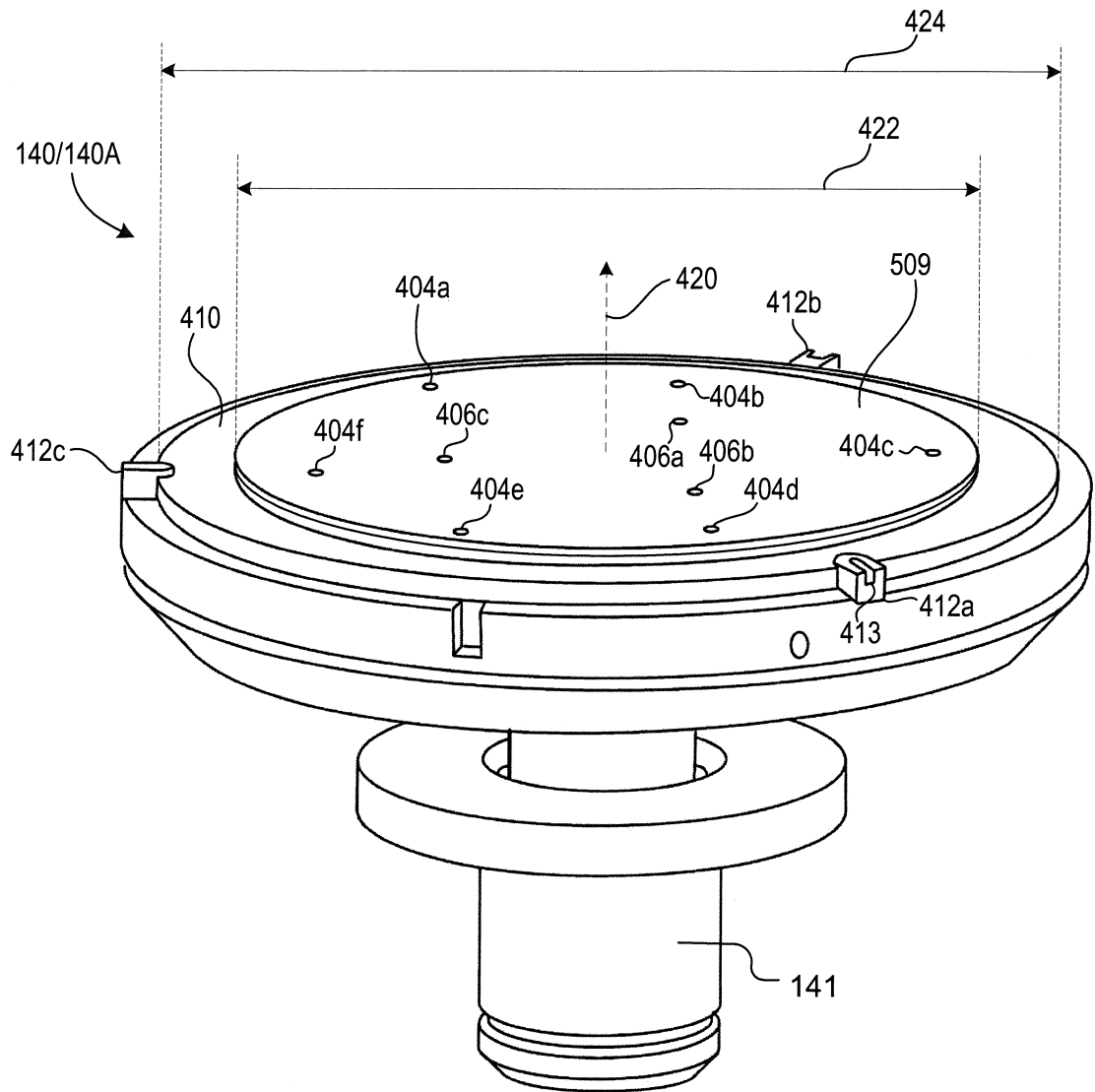


Fig. 4

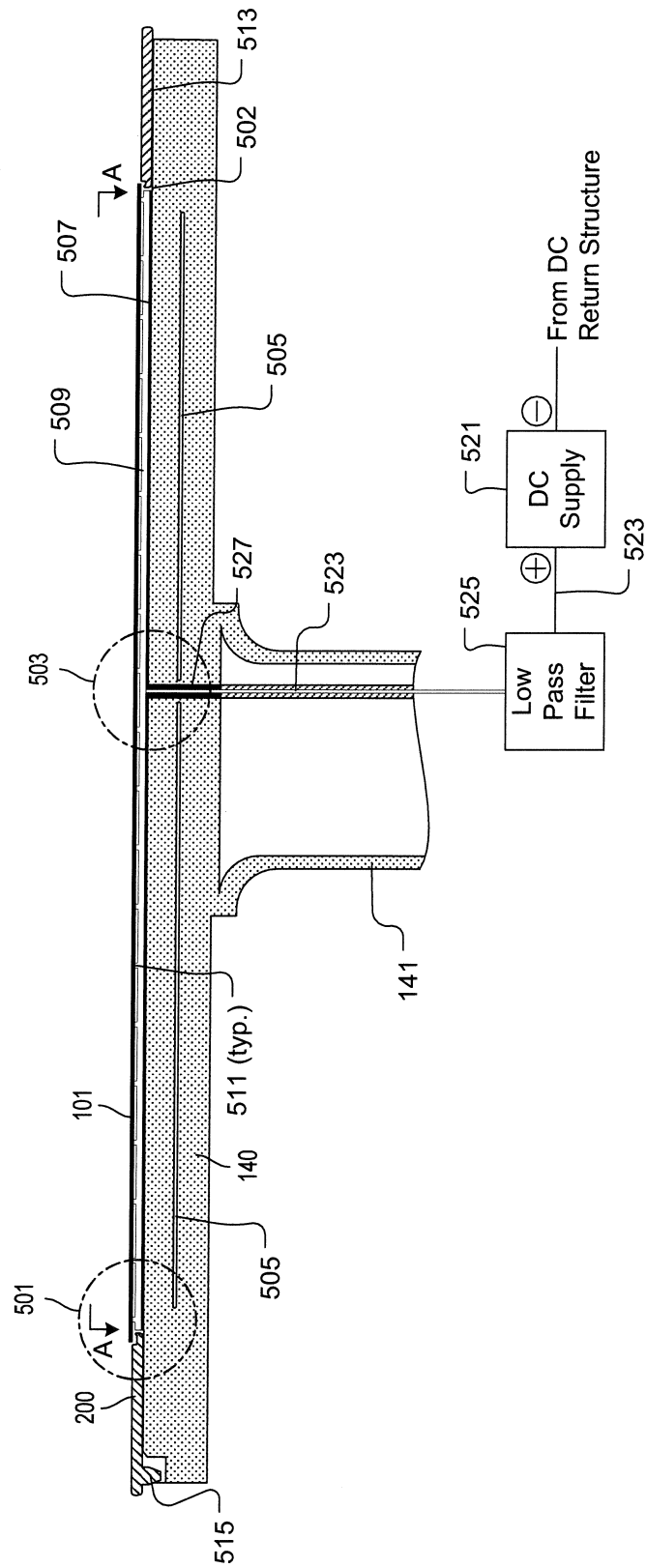


Fig. 5A

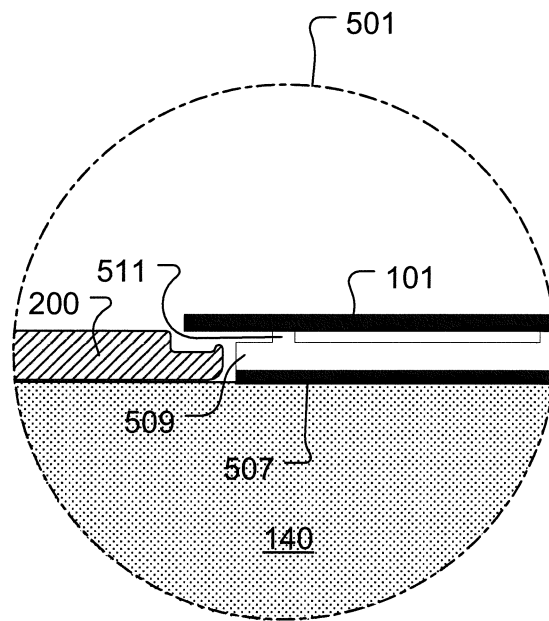


Fig. 5B

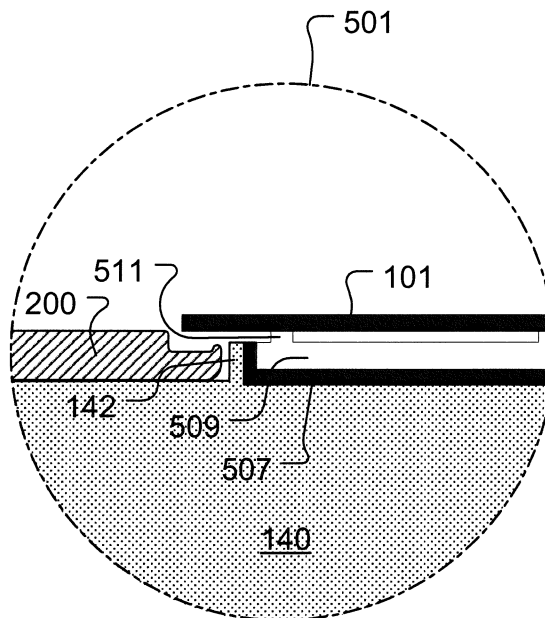


Fig. 5C

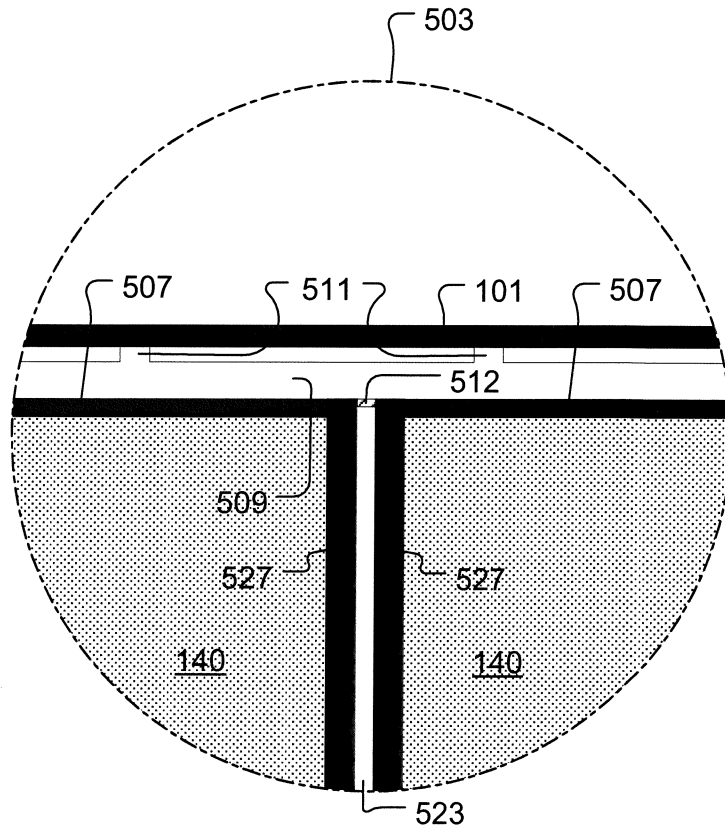


Fig. 5D

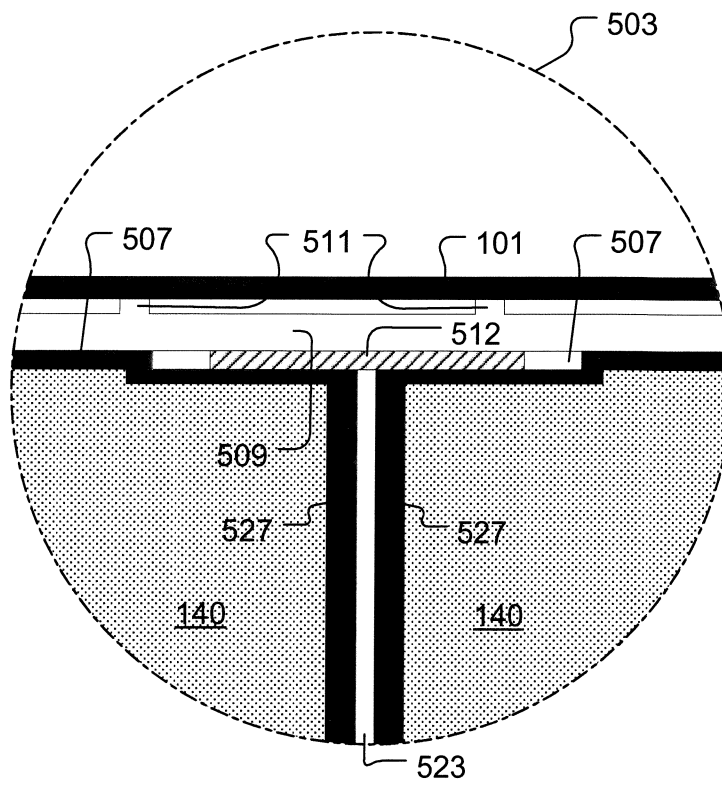
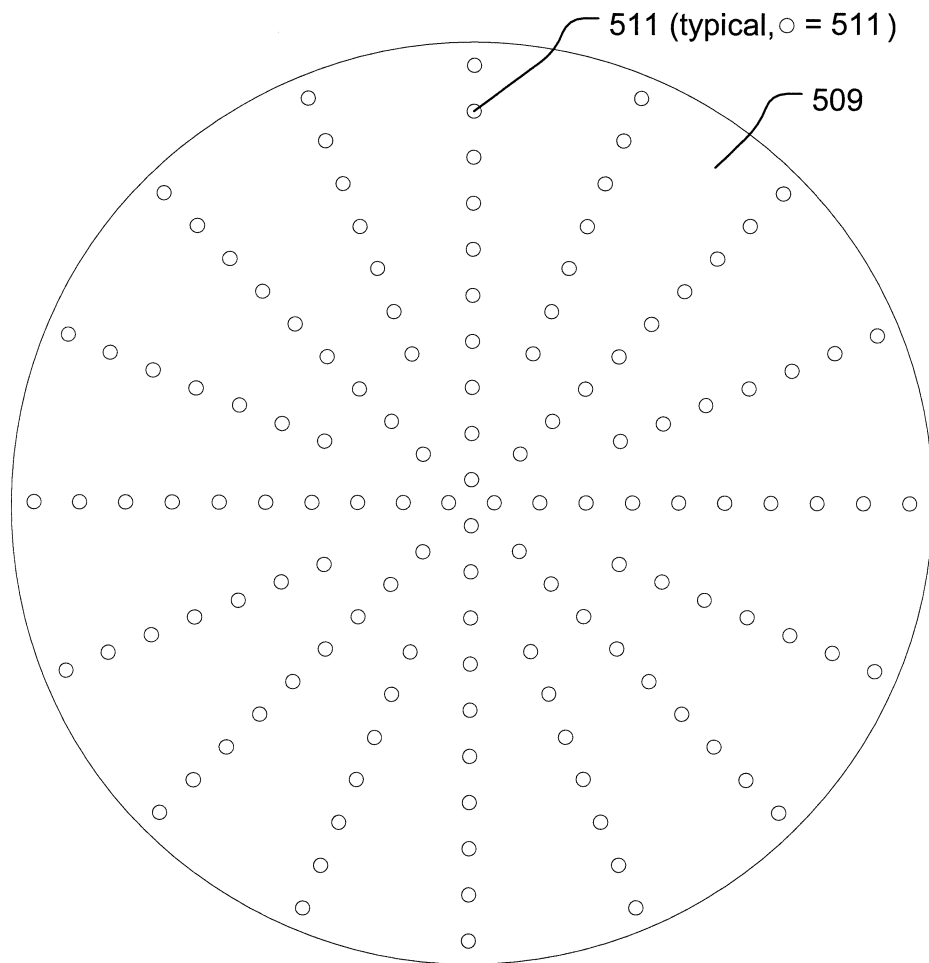
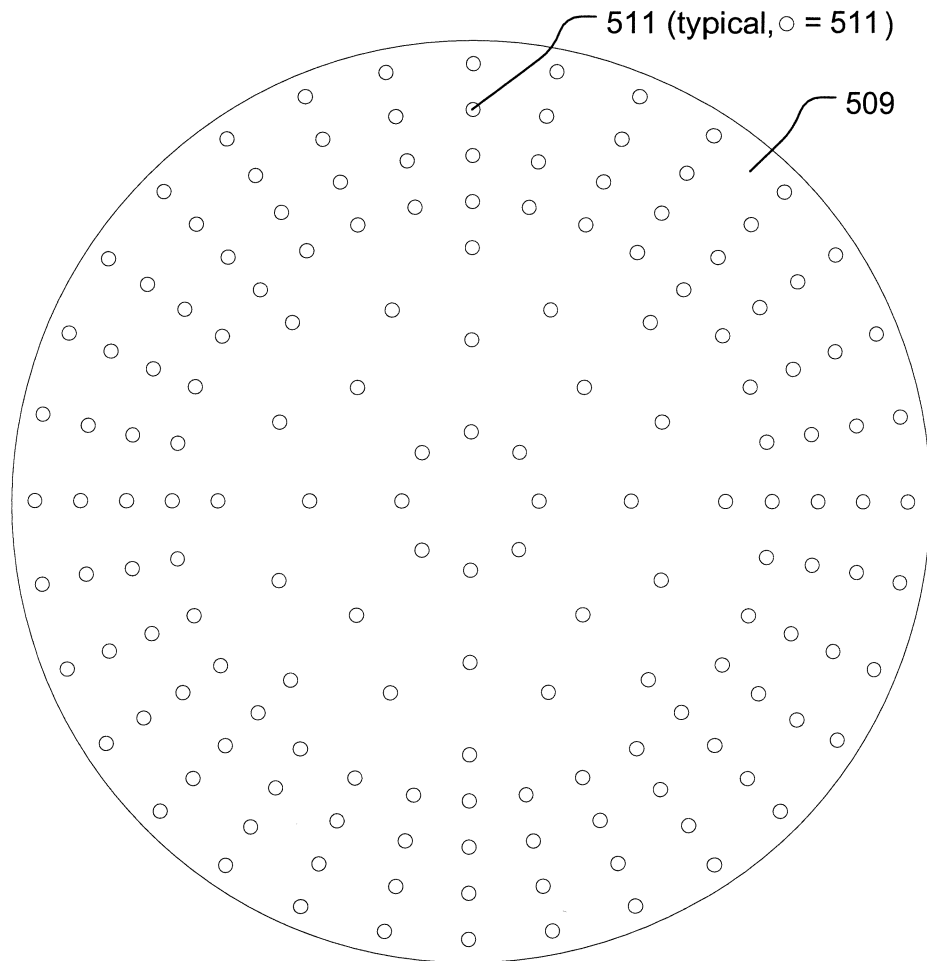


Fig. 5E



(View A-A)

Fig. 5F



(View A-A)

Fig. 5G

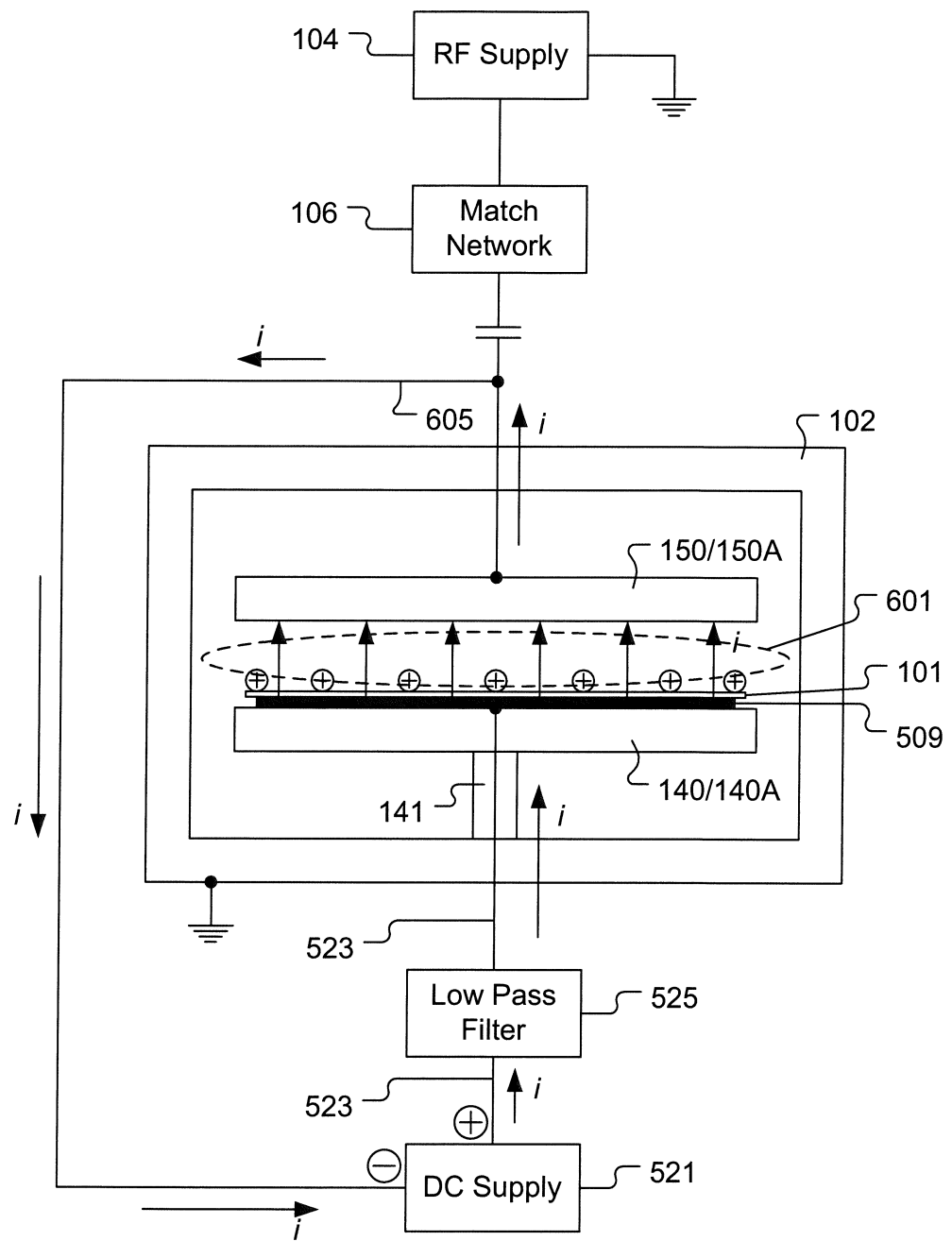


Fig. 6

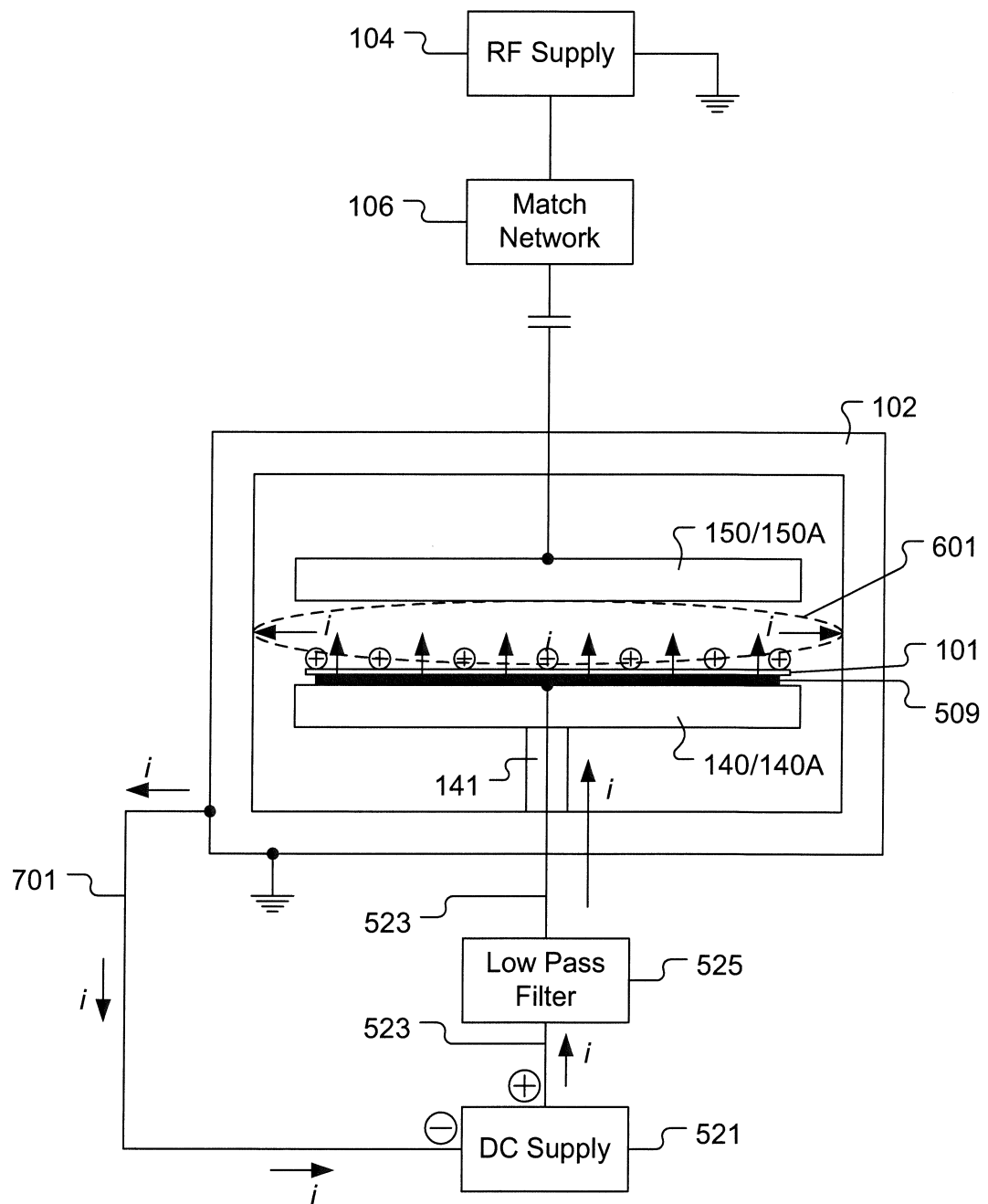


Fig. 7

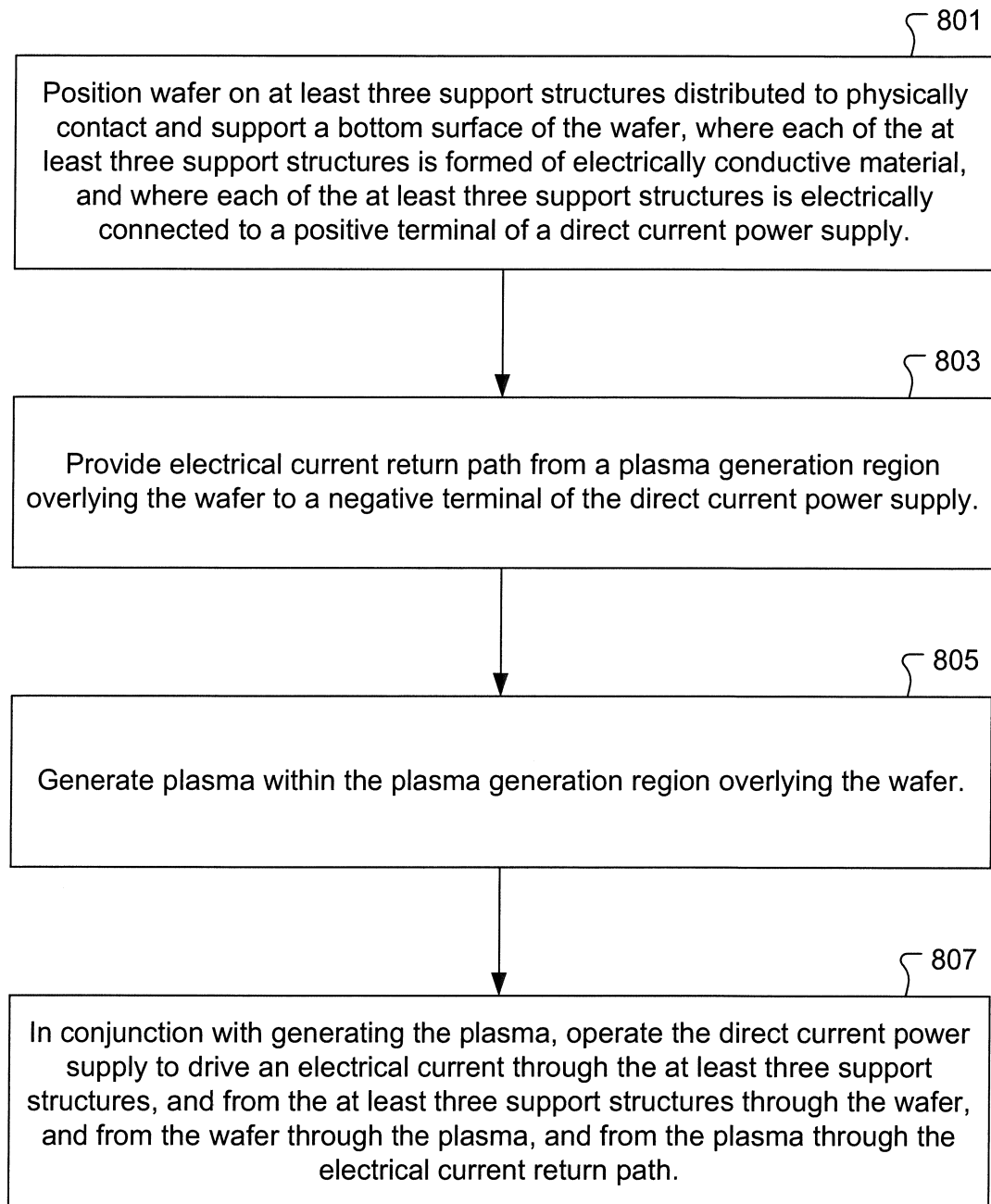


Fig. 8

	13.56 MHz	27.12 MHz
Total Delivered Power	Fixed	
Potential (voltage)	High	Low
Energy of Ions	High	Low
Flux of Radicals	Low	High
Flux of Ions	Low	High
Energy Flux	High	Low

Fig. 9

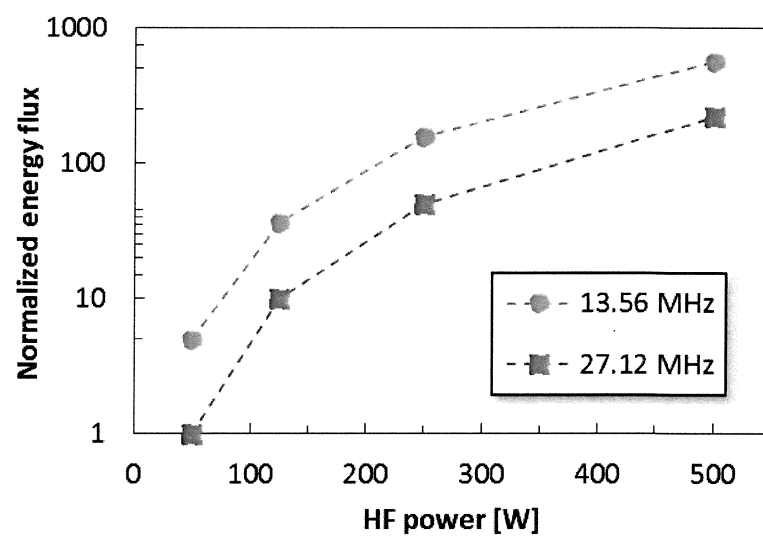


Fig. 10

Plasmoid-Free Process Windows for RF Frequencies of 13.56 MHz and 27.12 MHz									
NO = No Plasmoid Formation YES = Plasmoids Detected									
13.56 MHz RF					27.12 MHz RF				
RF Power					RF Power				
O ₂ (sccm)	250 W	300 W	400 W	500 W	O ₂ (sccm)	250 W	300 W	400 W	500 W
1500	YES	YES	YES	YES	1500	NO	NO	NO	NO
3000	NO	NO	YES	YES	3000	NO	NO	NO	NO
5000	NO	NO	YES	YES	5000	NO	NO	NO	NO
8000	NO	NO	NO	YES	8000	NO	NO	NO	NO
						600 W	700 W	800 W	
						NO	YES	YES	

Fig. 11

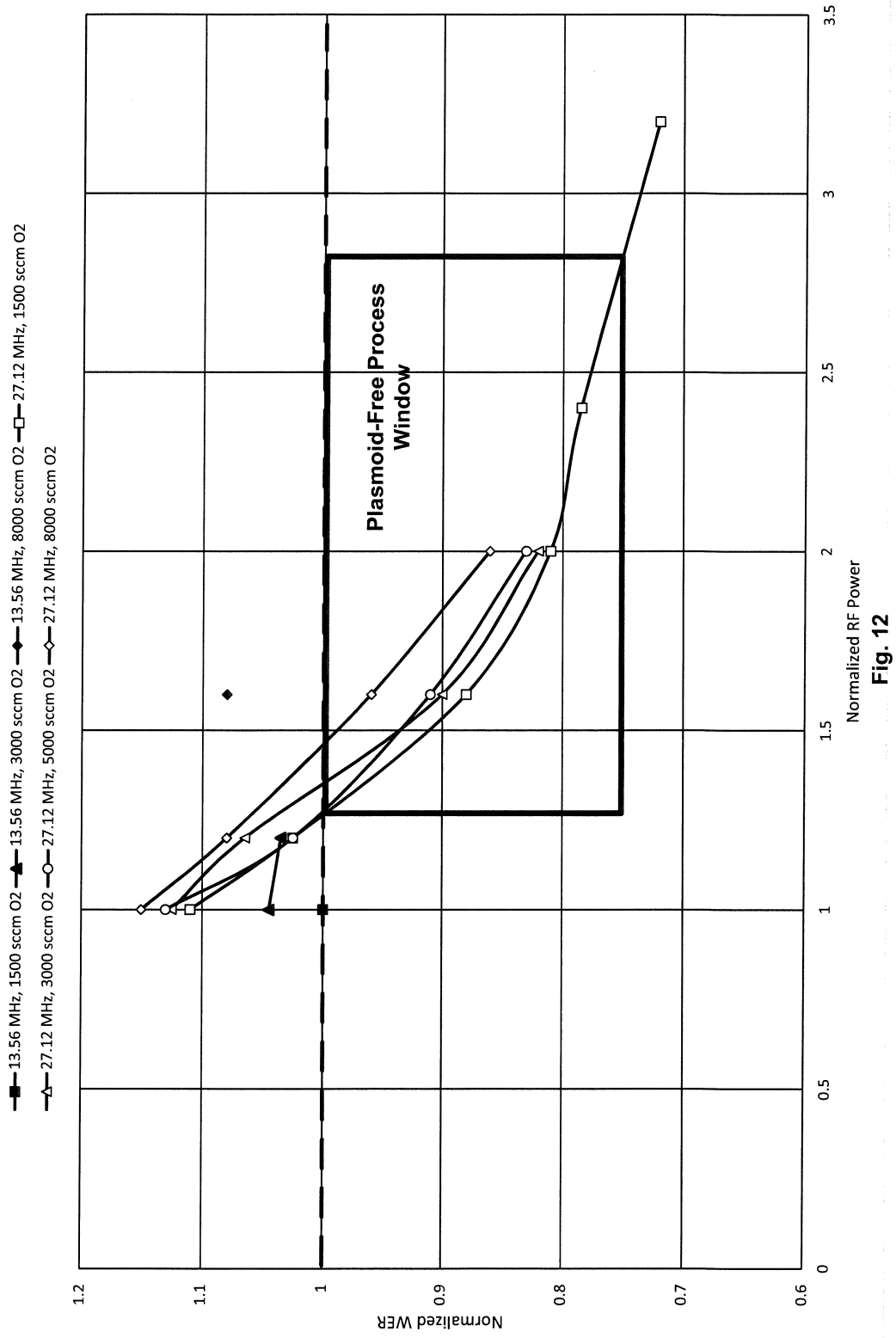
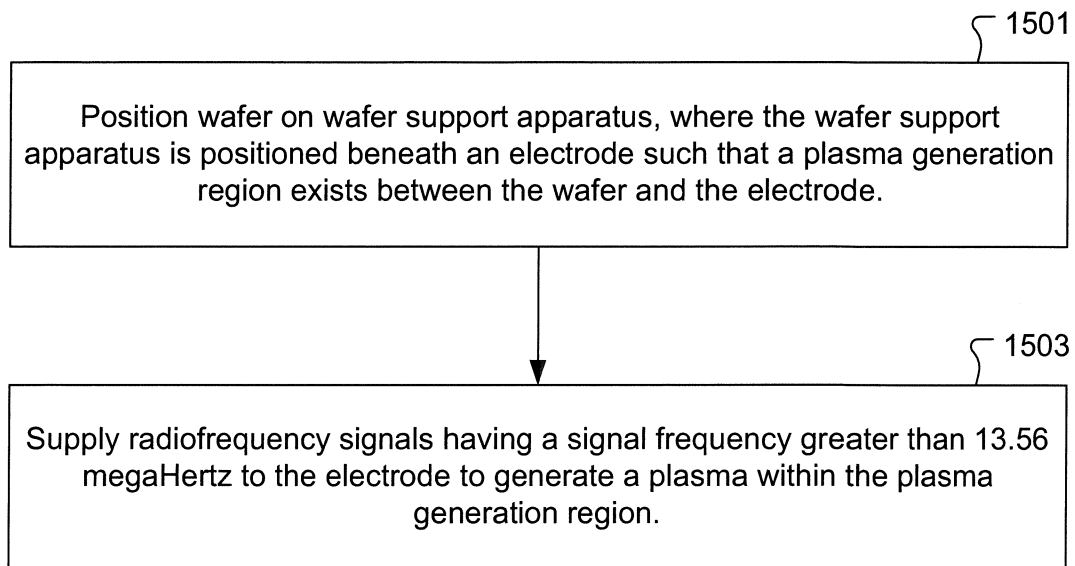


Fig. 12

**Fig. 13**

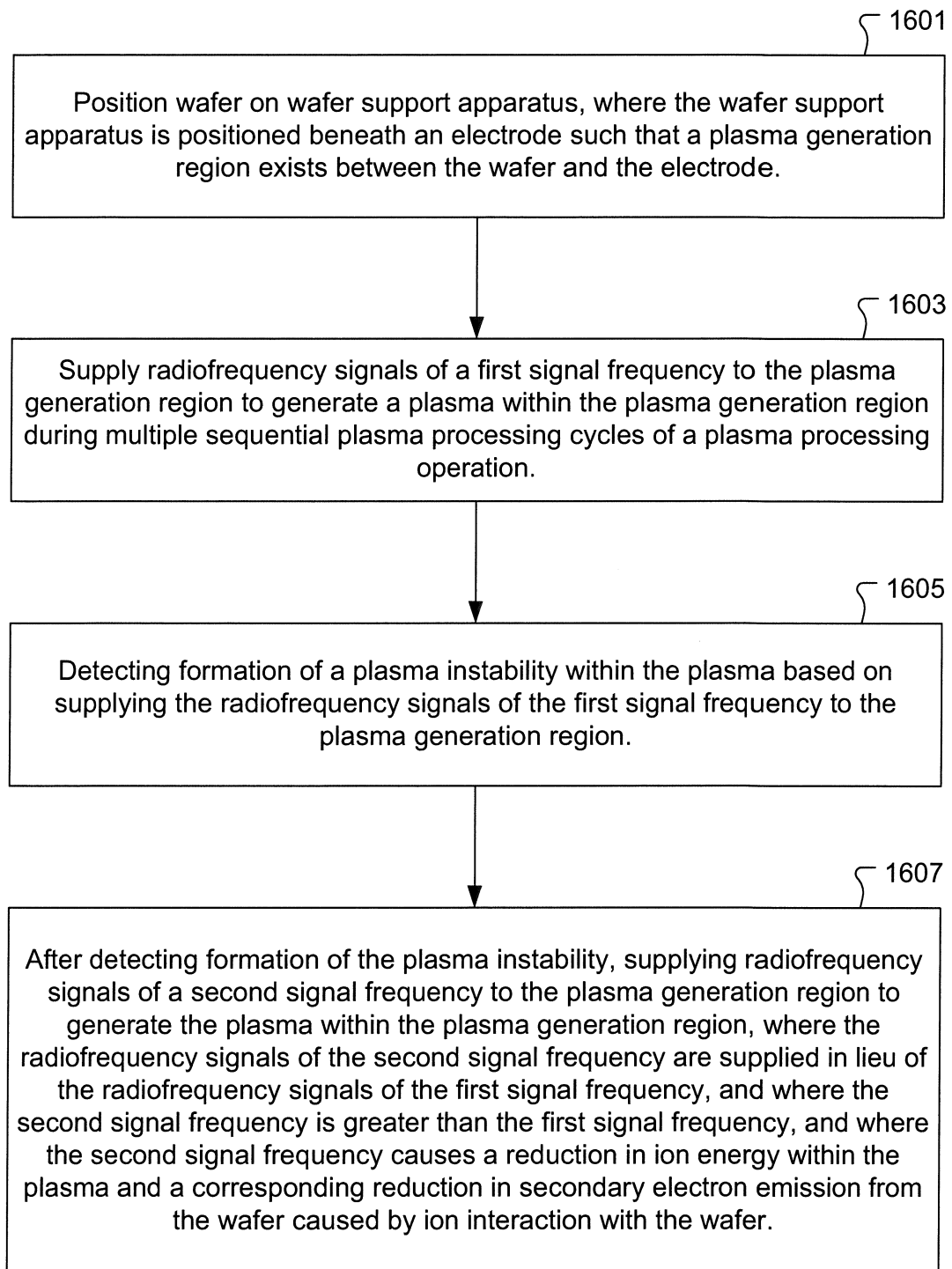


Fig. 14