

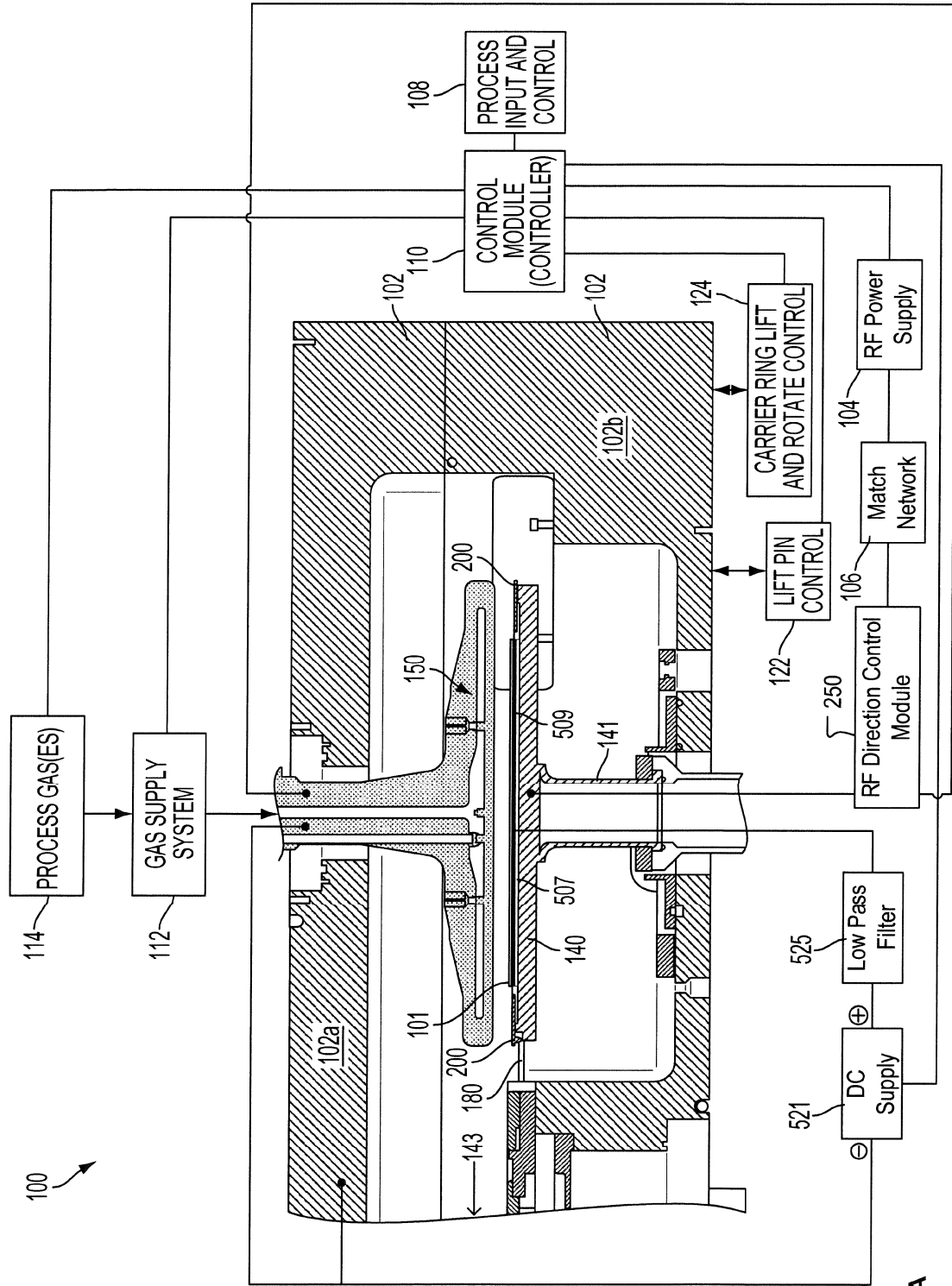


Fig. 1A

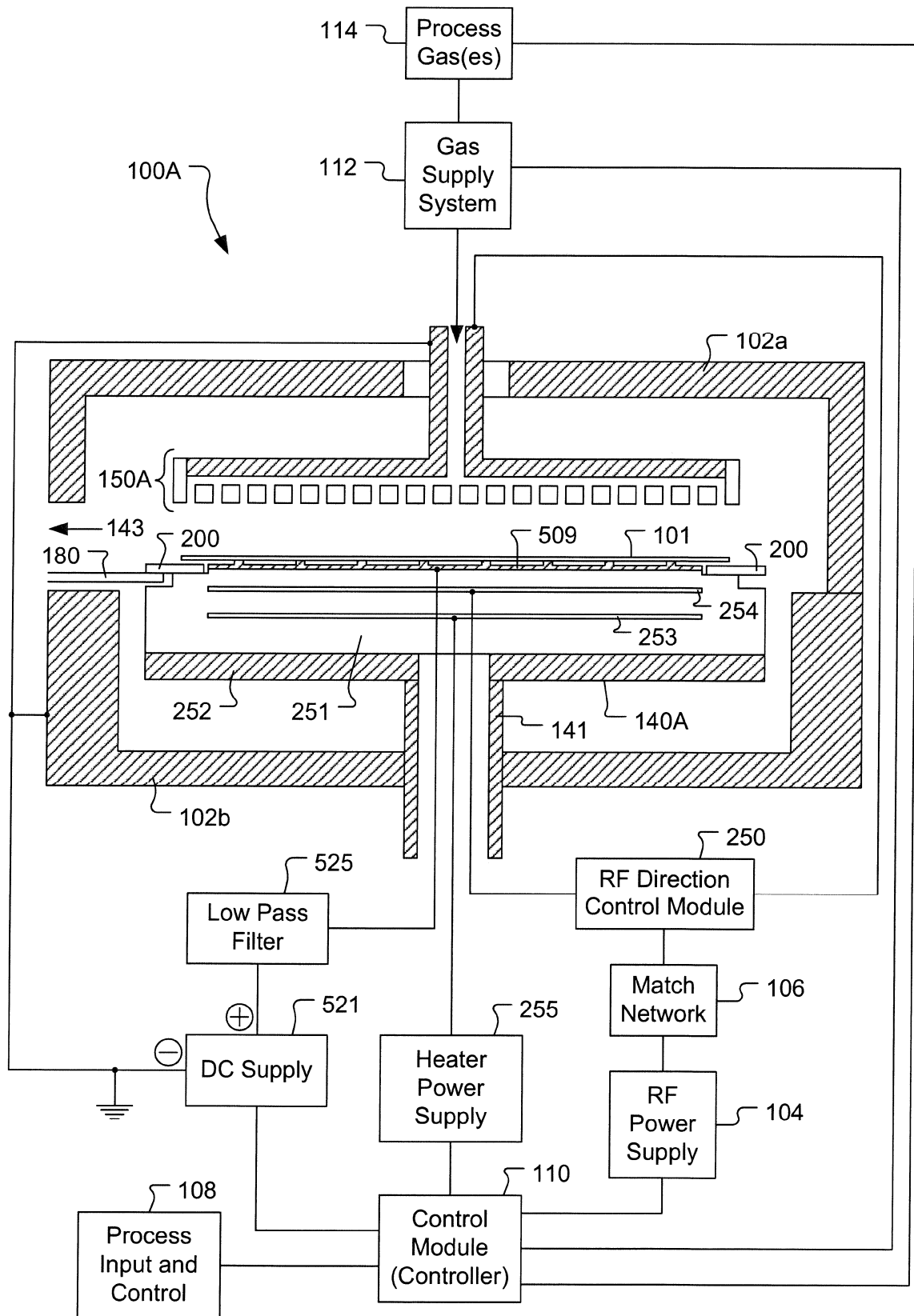


Fig. 1B

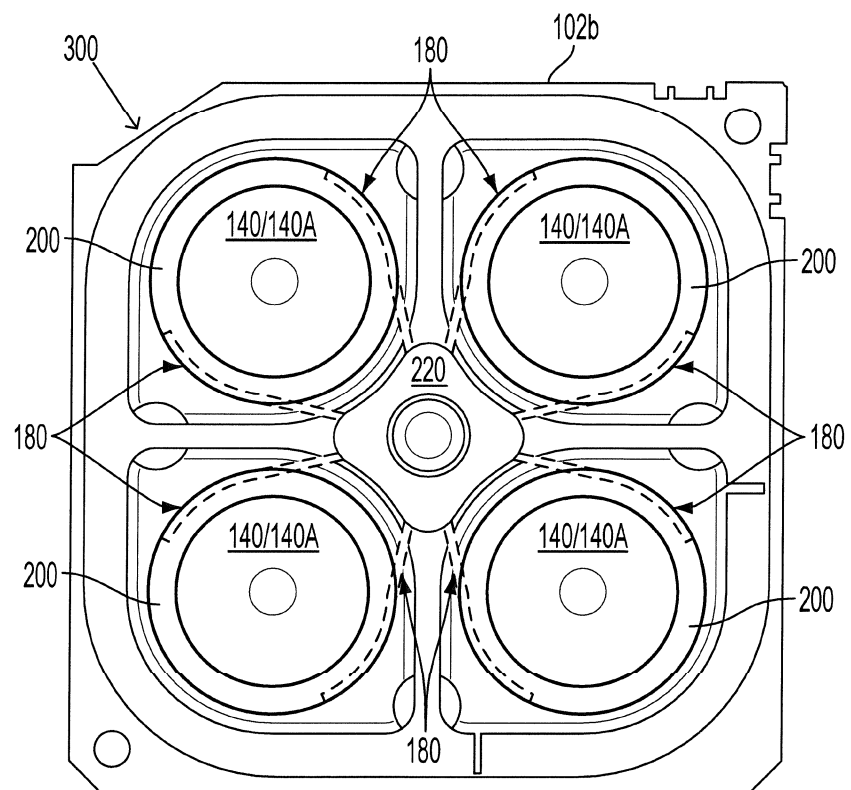


Fig. 2

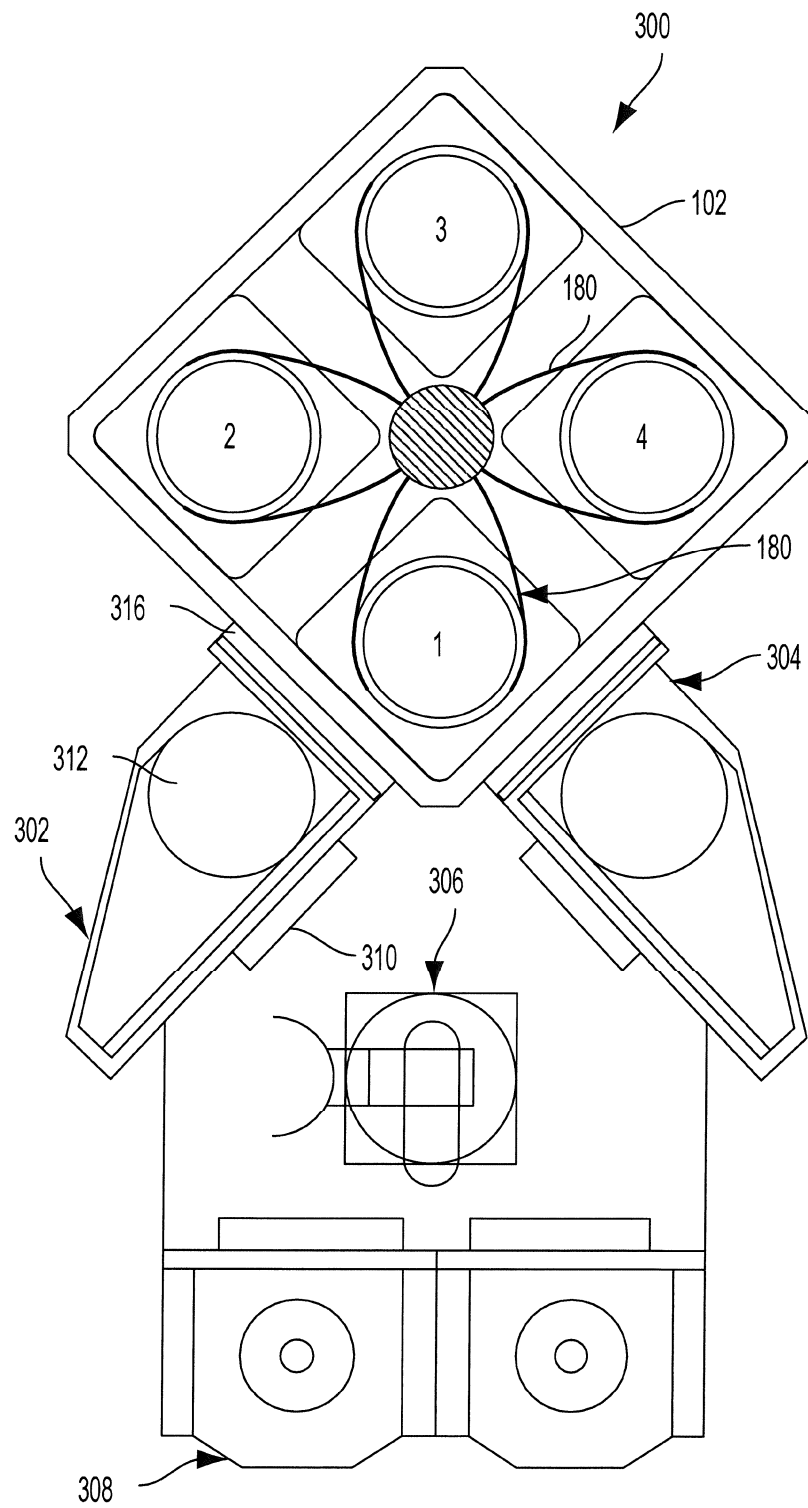


Fig. 3

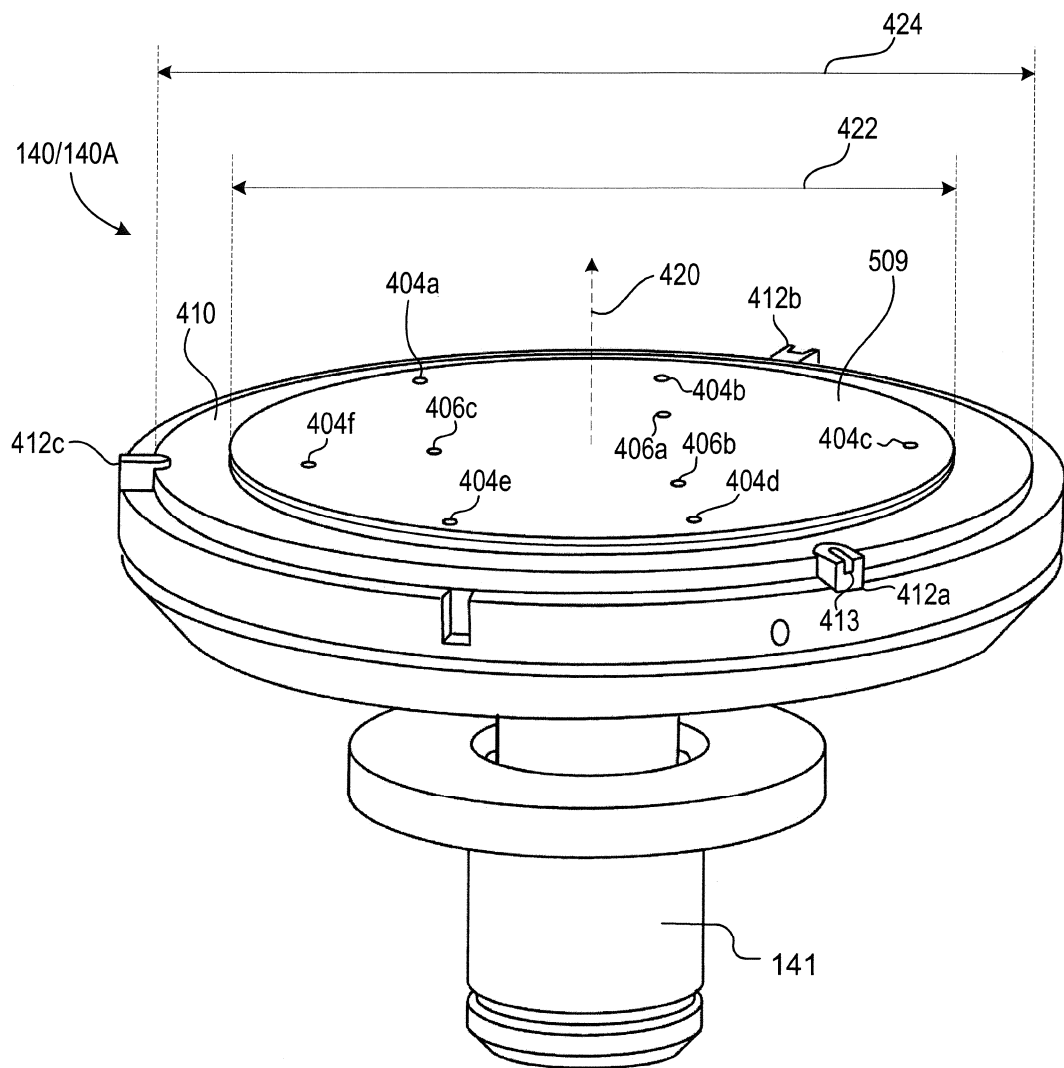


Fig. 4

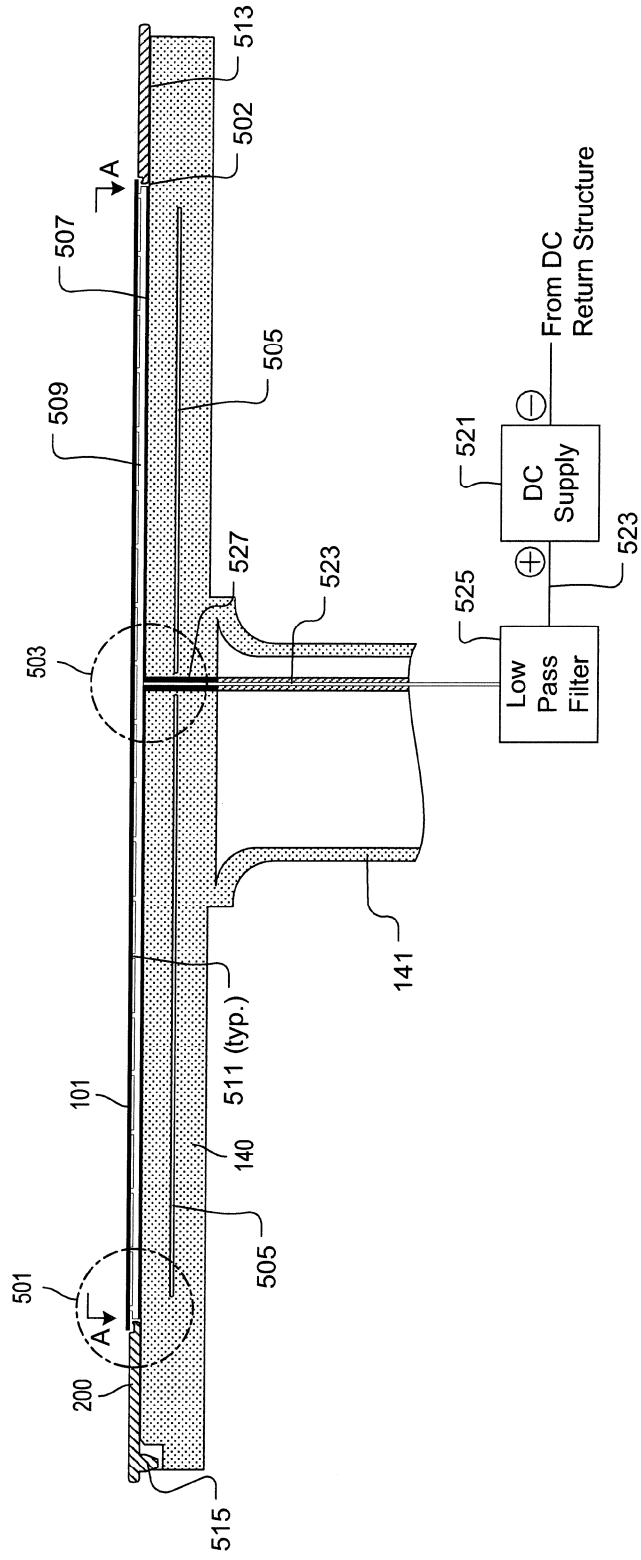


Fig. 5A

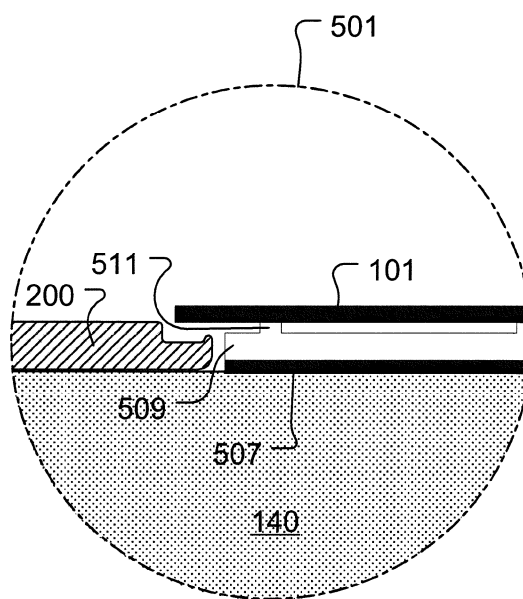


Fig. 5B

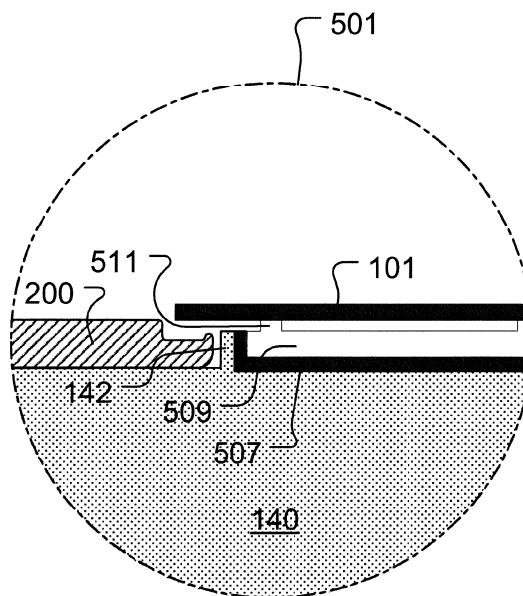


Fig. 5C

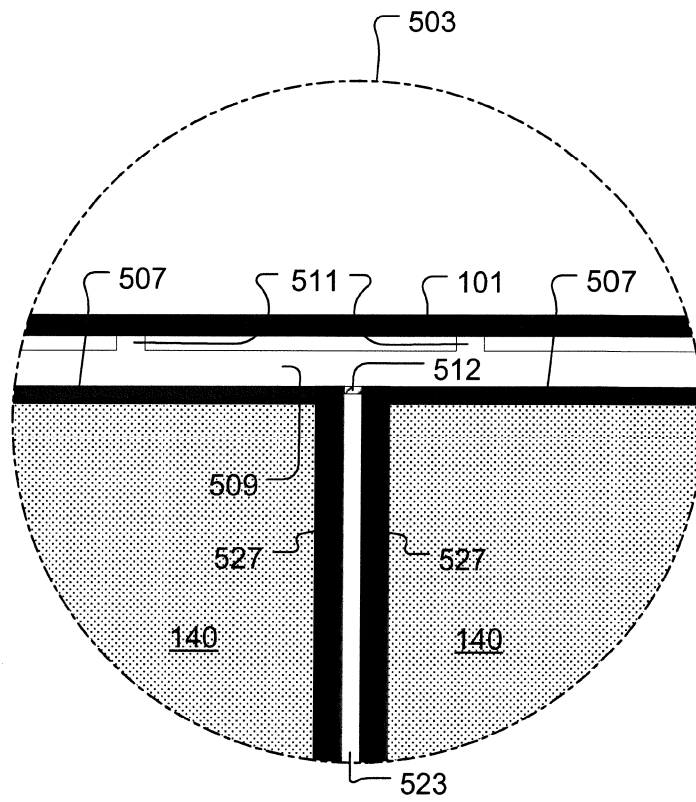


Fig. 5D

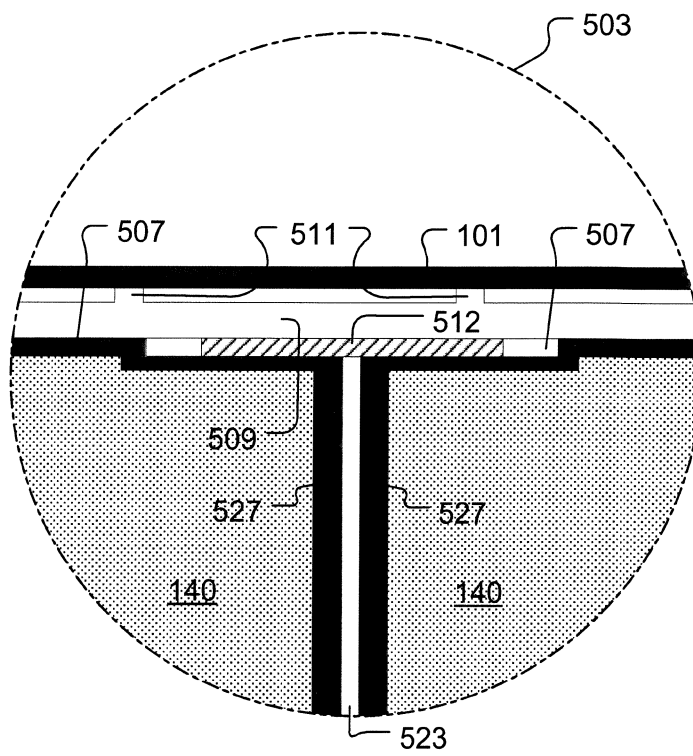
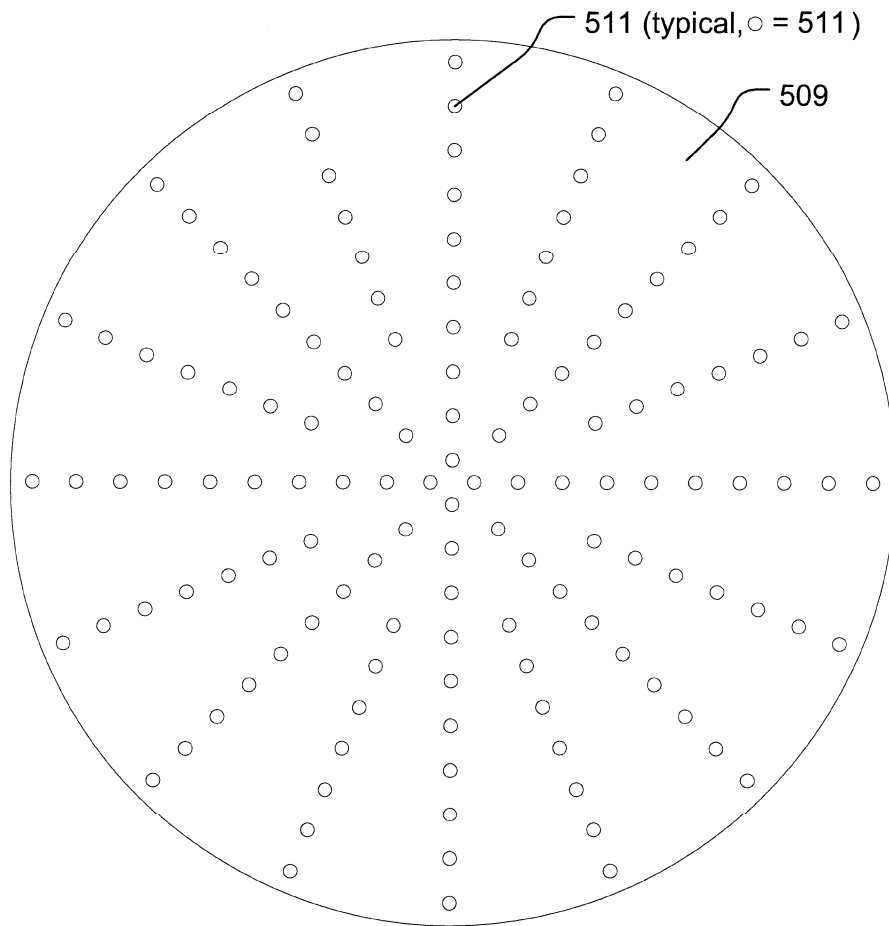
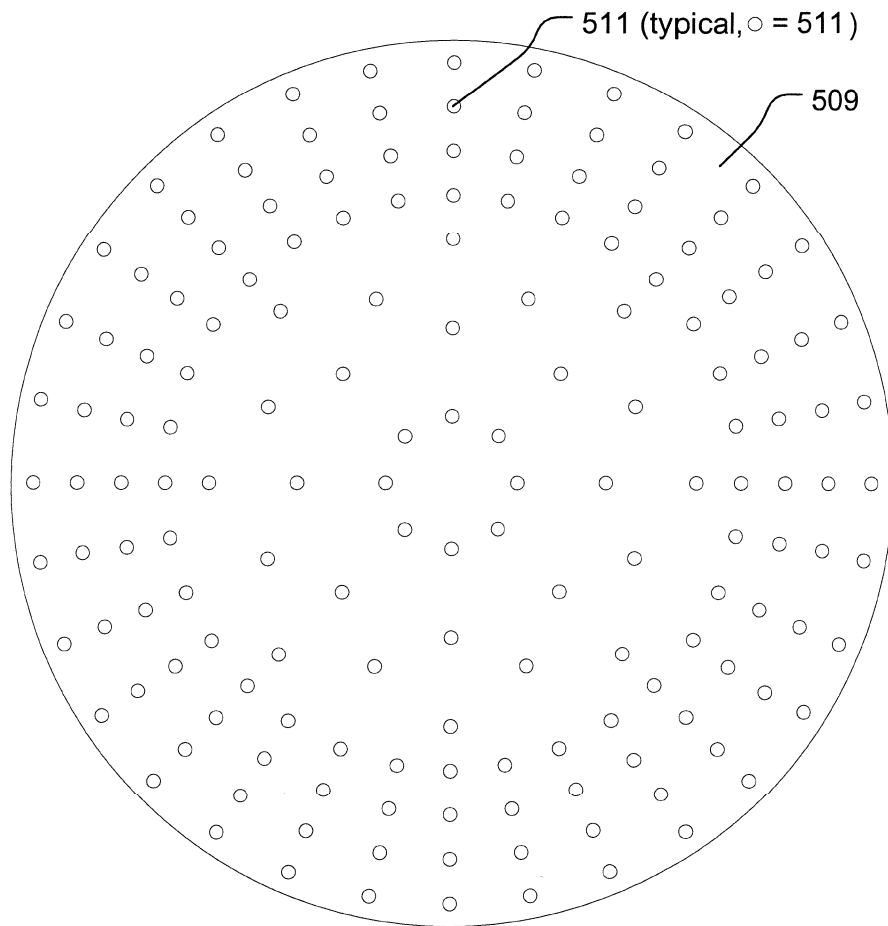


Fig. 5E



(View A-A)

Fig. 5F



(View A-A)

Fig. 5G

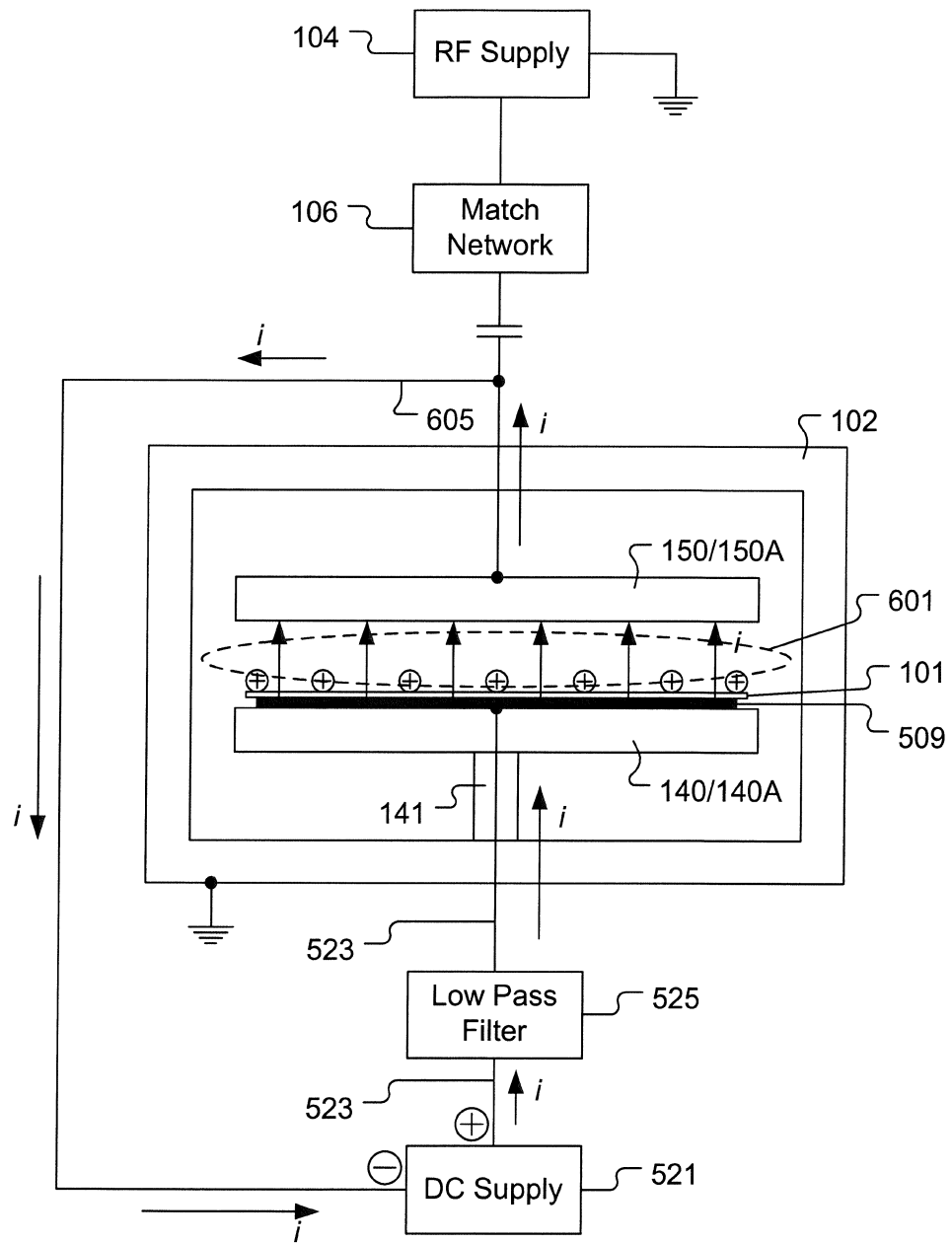


Fig. 6

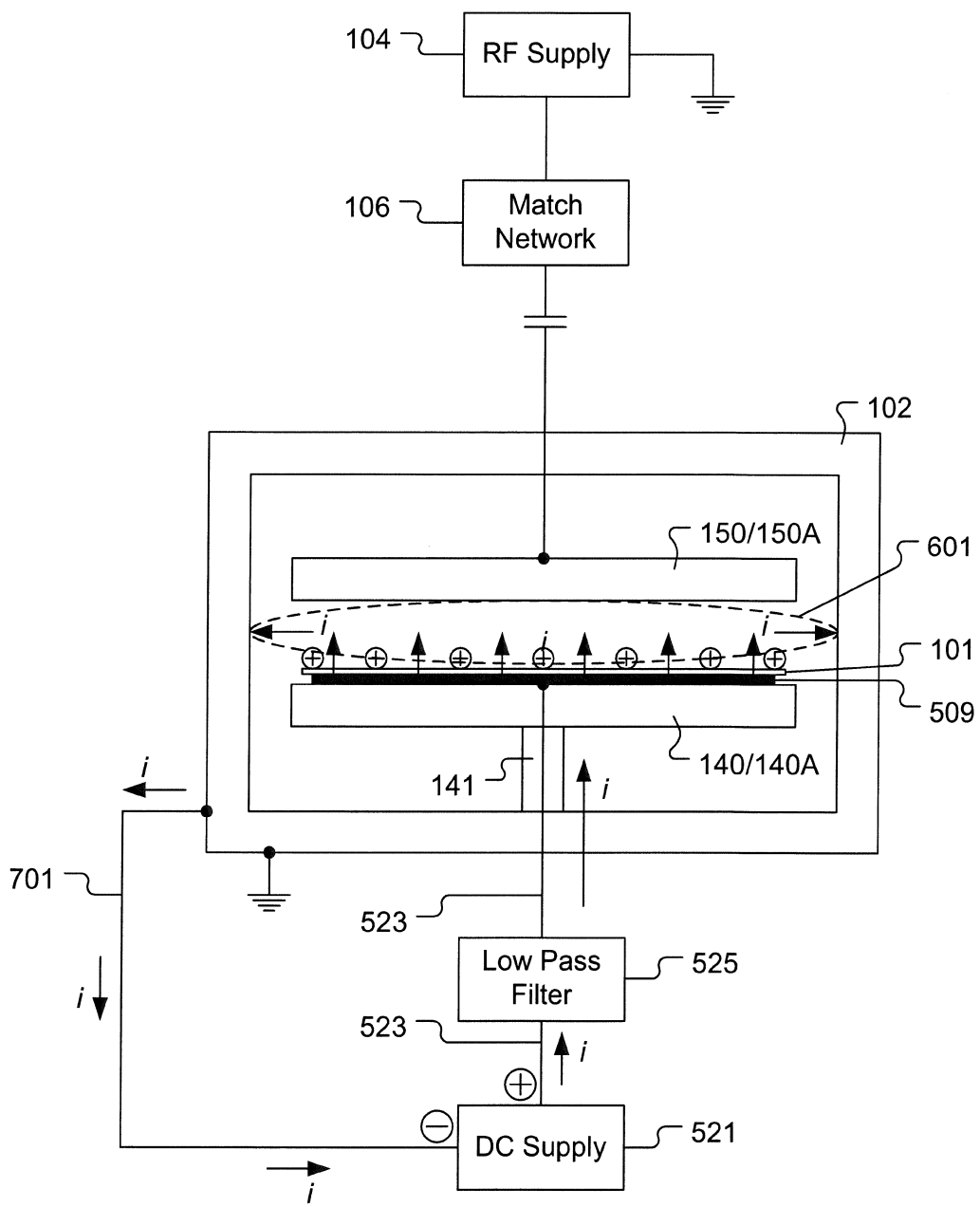


Fig. 7

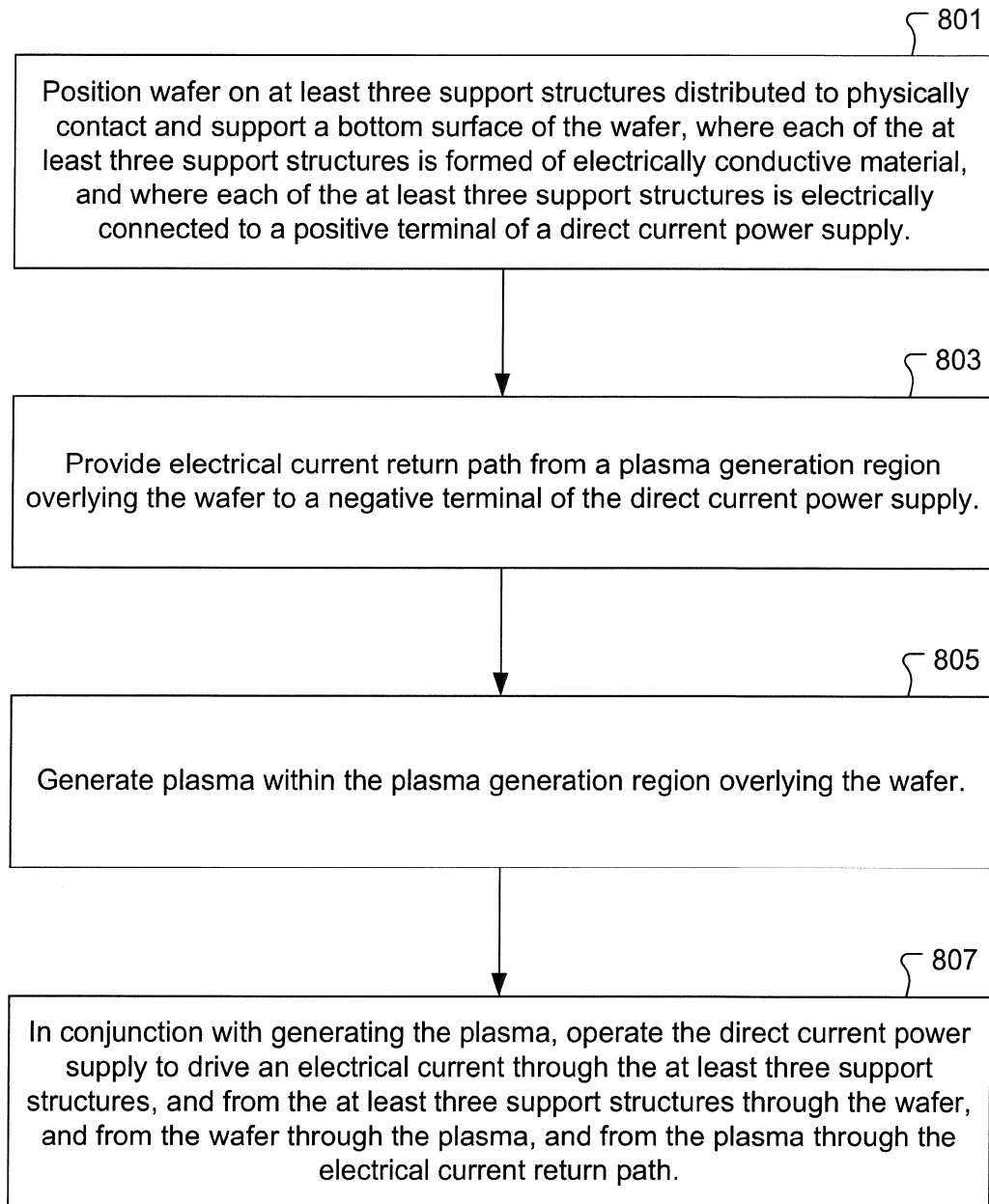


Fig. 8

	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

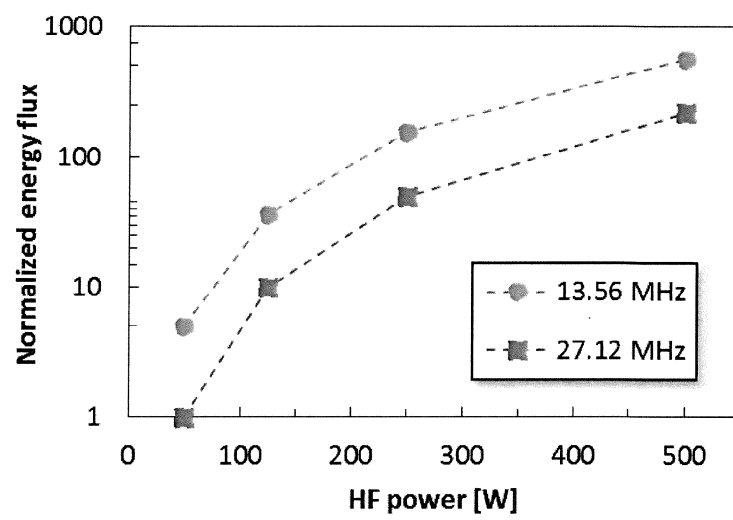


Fig. 10

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)	1500	250 W	300 W	400 W	500 W	500 W	1500	250 W	300 W	400 W	500 W	600 W	700 W	800 W
		YES	YES	YES	YES	YES		NO	NO	NO	NO	NO	YES	YES
	3000	NO	NO	YES	YES	YES	3000	NO	NO	NO	NO	NO	YES	YES
	5000	NO	NO	YES	YES	YES	5000	NO	NO	NO	NO	NO	YES	YES
8000	NO	NO	NO	YES	YES	8000	NO	NO	NO	NO	NO	NO	YES	YES

Fig. 11

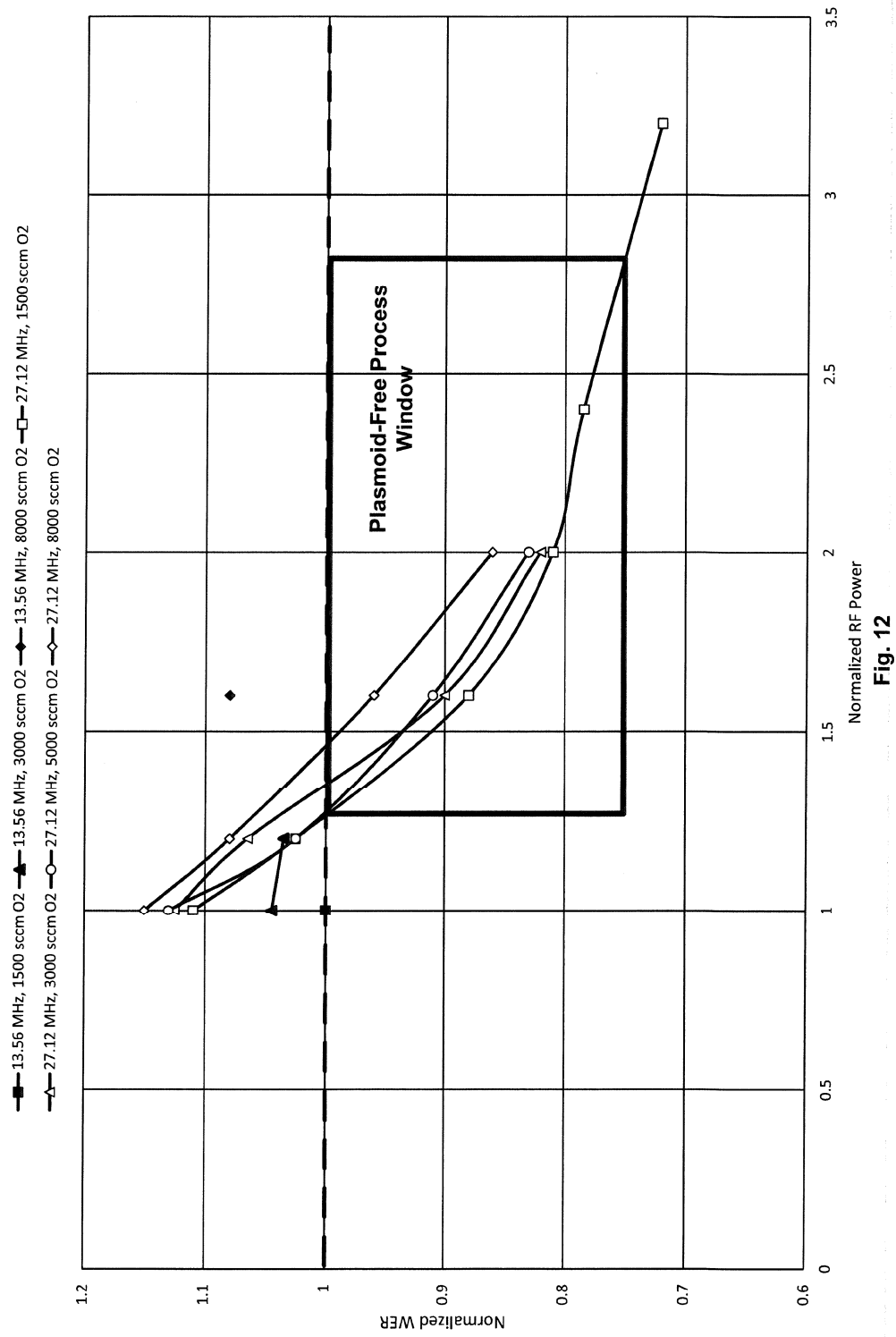


Fig. 12

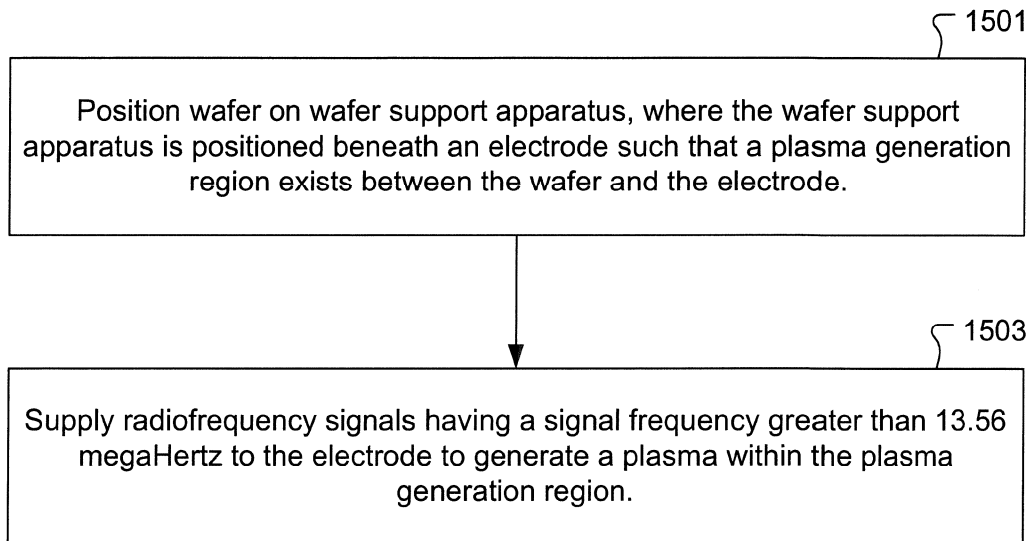


Fig. 13

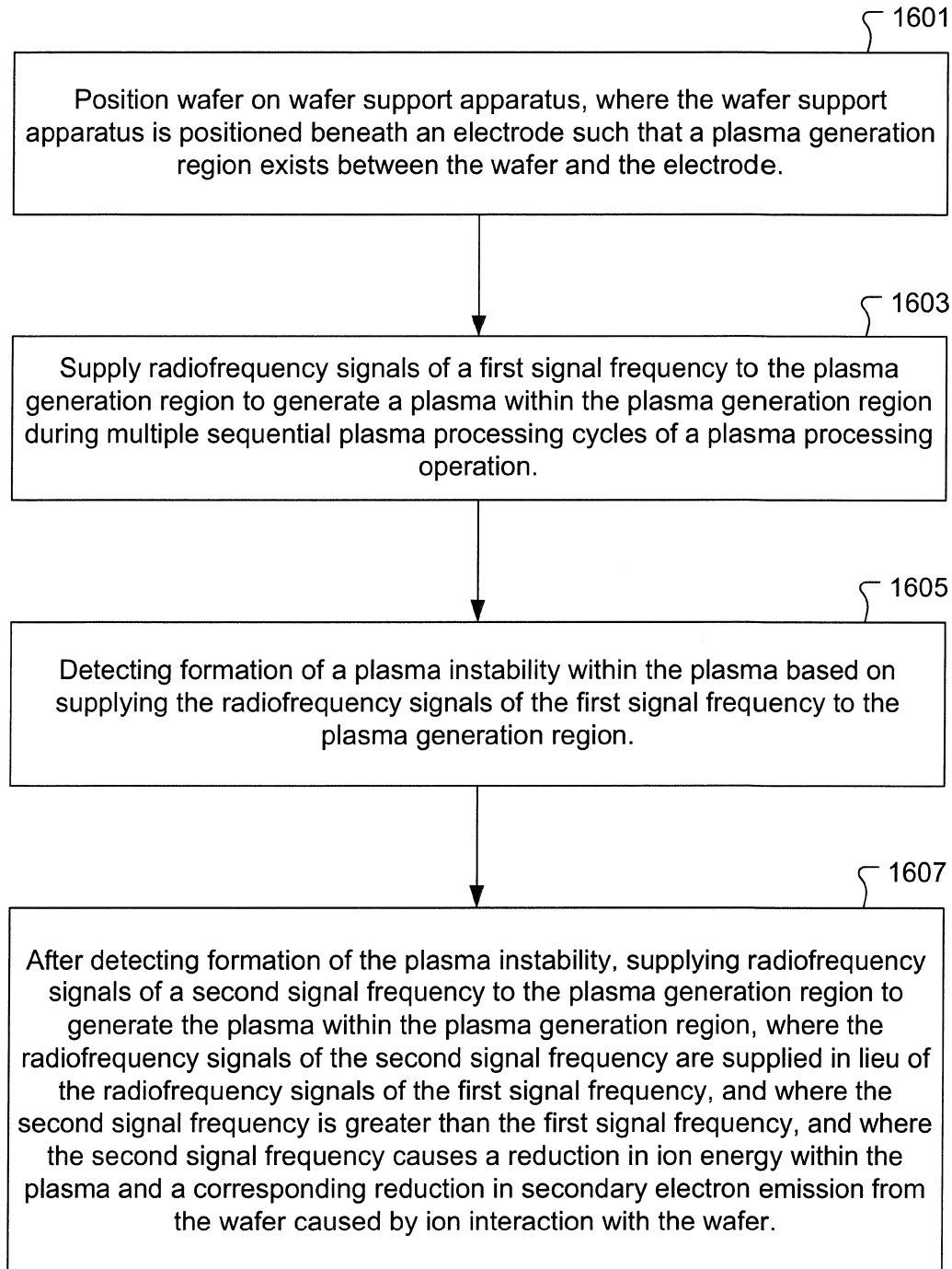


Fig. 14