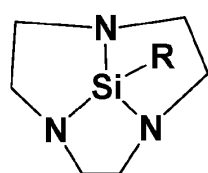


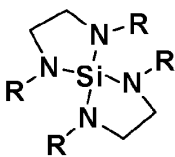
Each R is independently selected from H and C1-C3 alkyl;

X is selected from the group consisting of a halogen, triflate, tosylate, CN, N₃, and NR¹R², wherein R¹ and R² are independently selected from the group consisting of H, and an alkyl, wherein R¹ and R² are either linked to form a cyclic ring structure or not linked

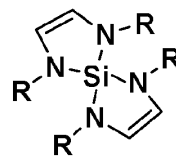
Figure 1



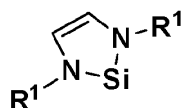
4



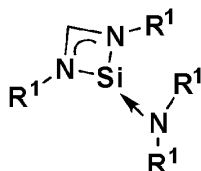
5



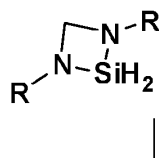
6



7



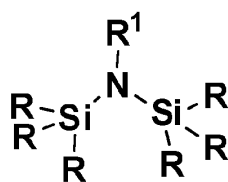
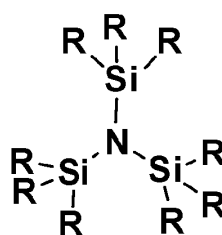
8



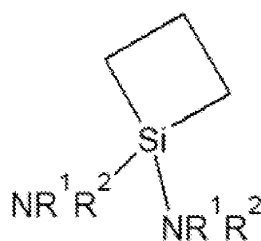
9

Each R is the same or different and is independently selected from the group consisting of H, and an alkyl; each R¹ is the same or different and is an alkyl

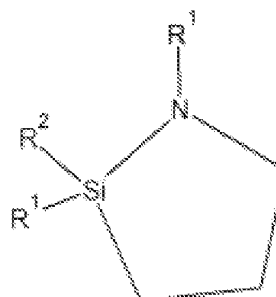
Figure 2

**10****11**

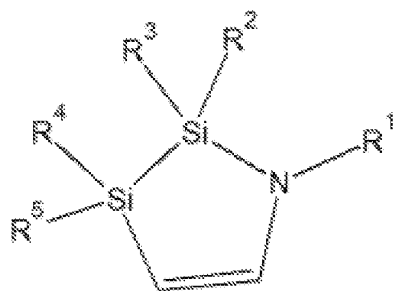
Each R is the same or different and is independently selected from the group consisting of H, and an alkyl;
 each R¹ is independently selected from the group consisting of H, an alkyl, and Si(R²)₃, wherein each R² is independently selected from the group consisting of H, and an alkyl.

Figure 3A

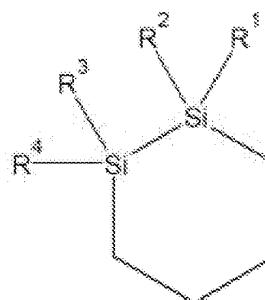
12



13



14



15

Each Rⁿ is independently selected from the group consisting of H, and an alkyl.

Figure 3B

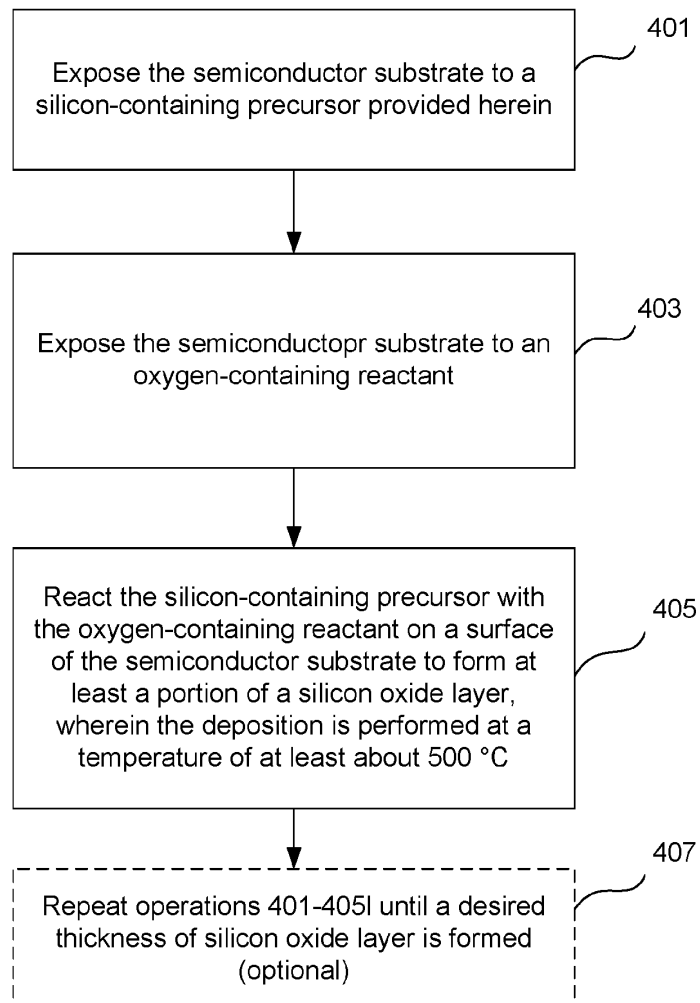
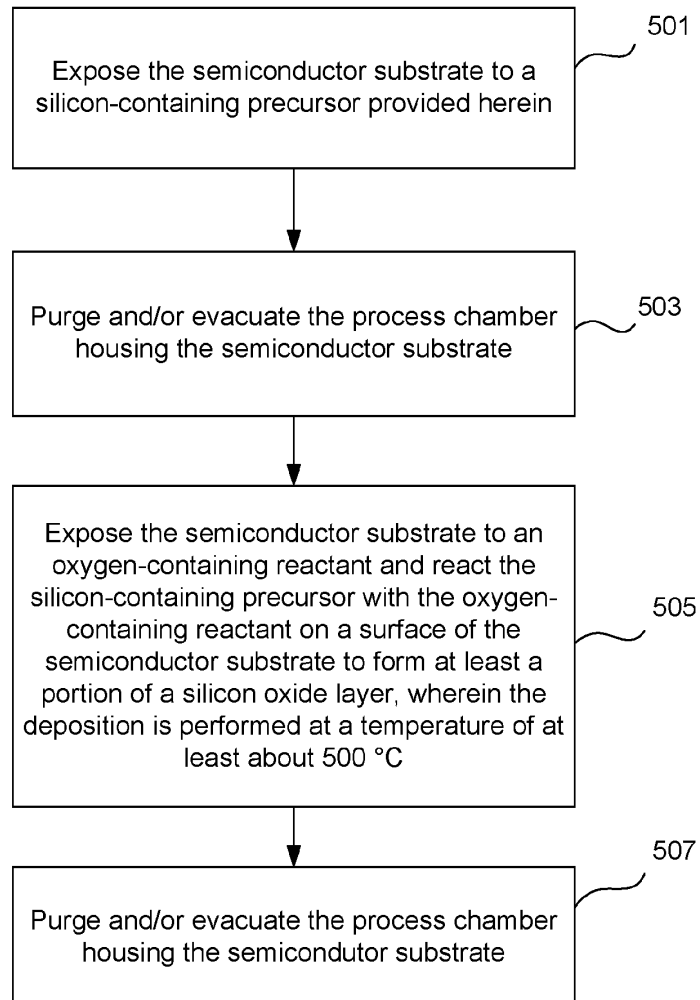


Figure 4

*Figure 5*

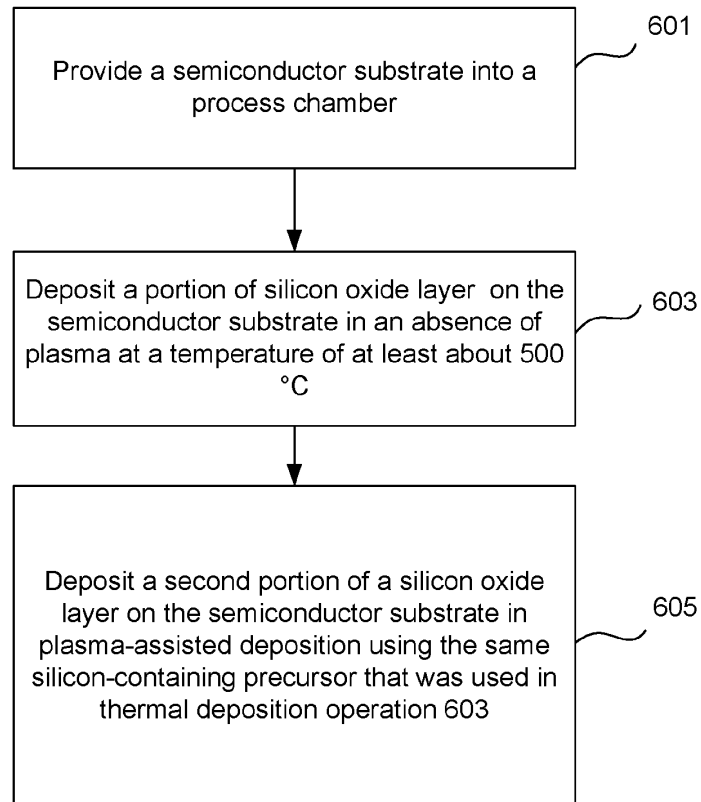


Figure 6

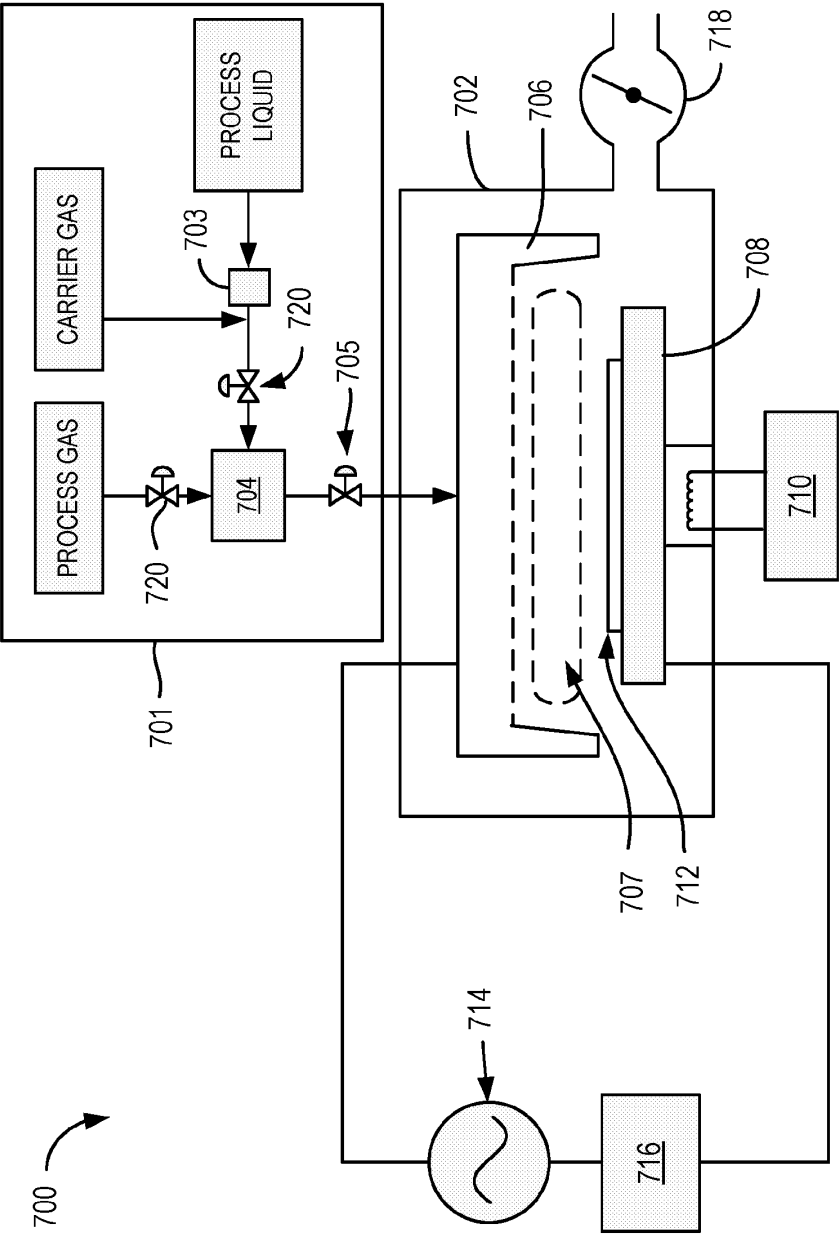


FIG. 7

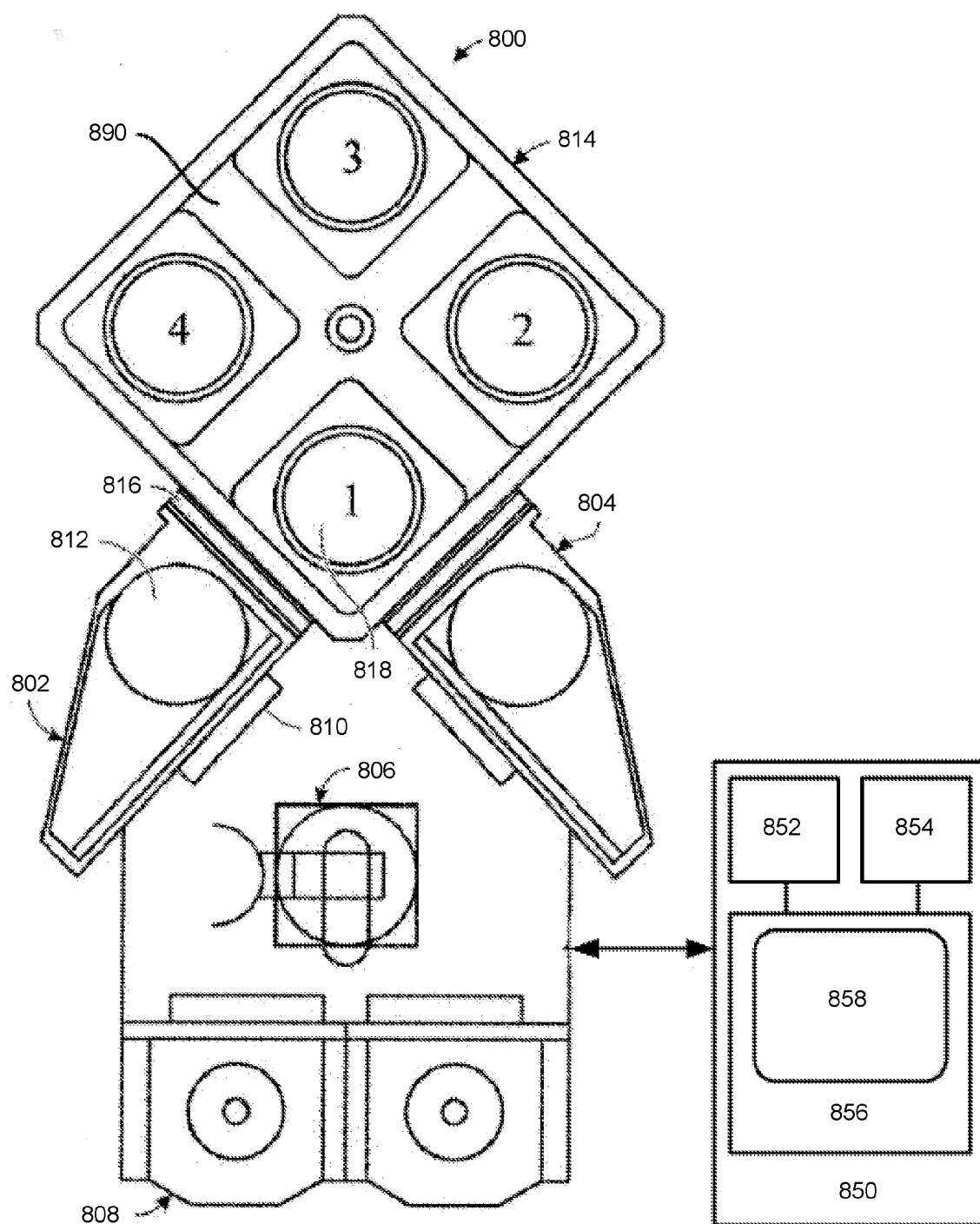


FIG. 8

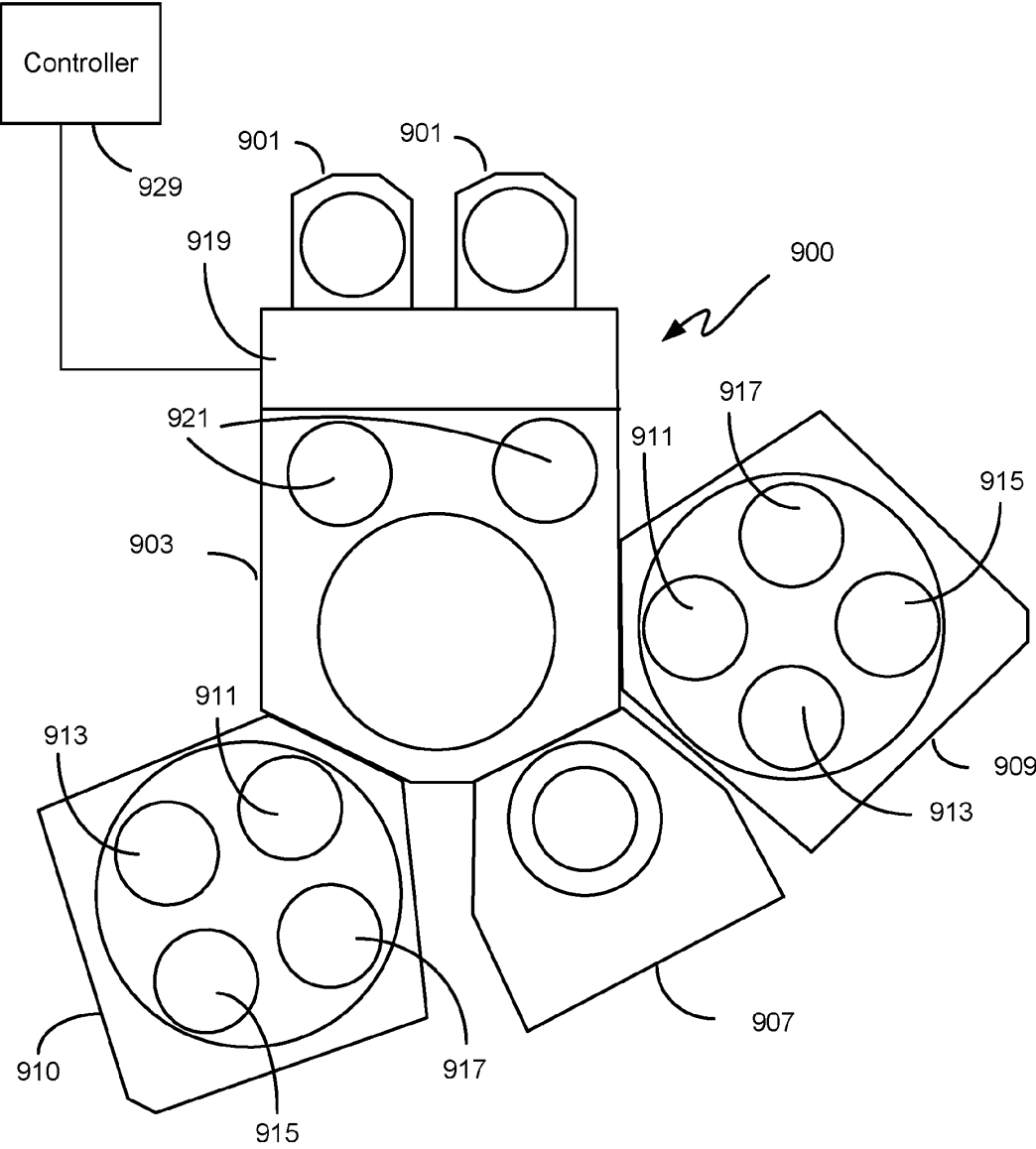


FIG. 9