

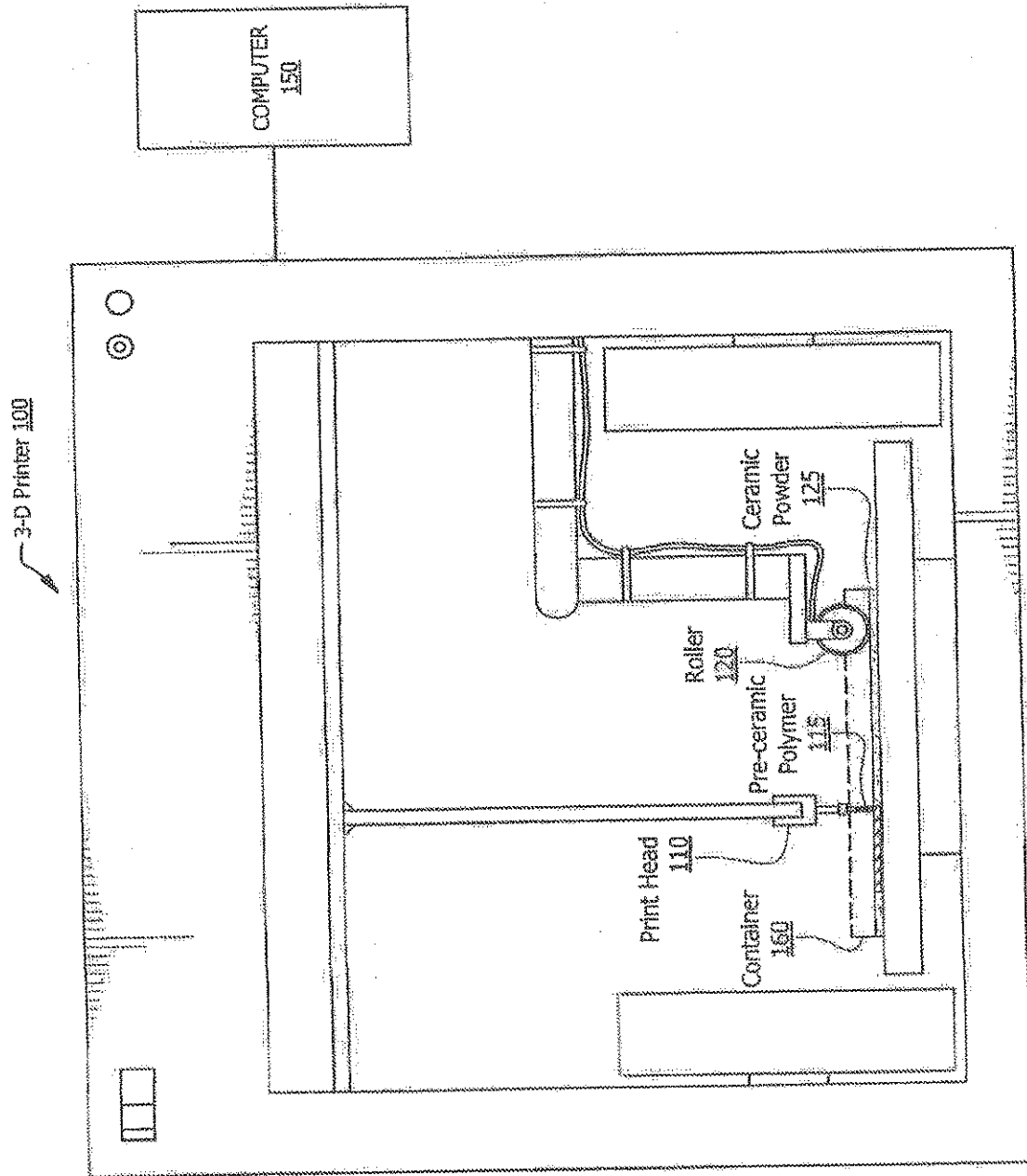


FIG. 1

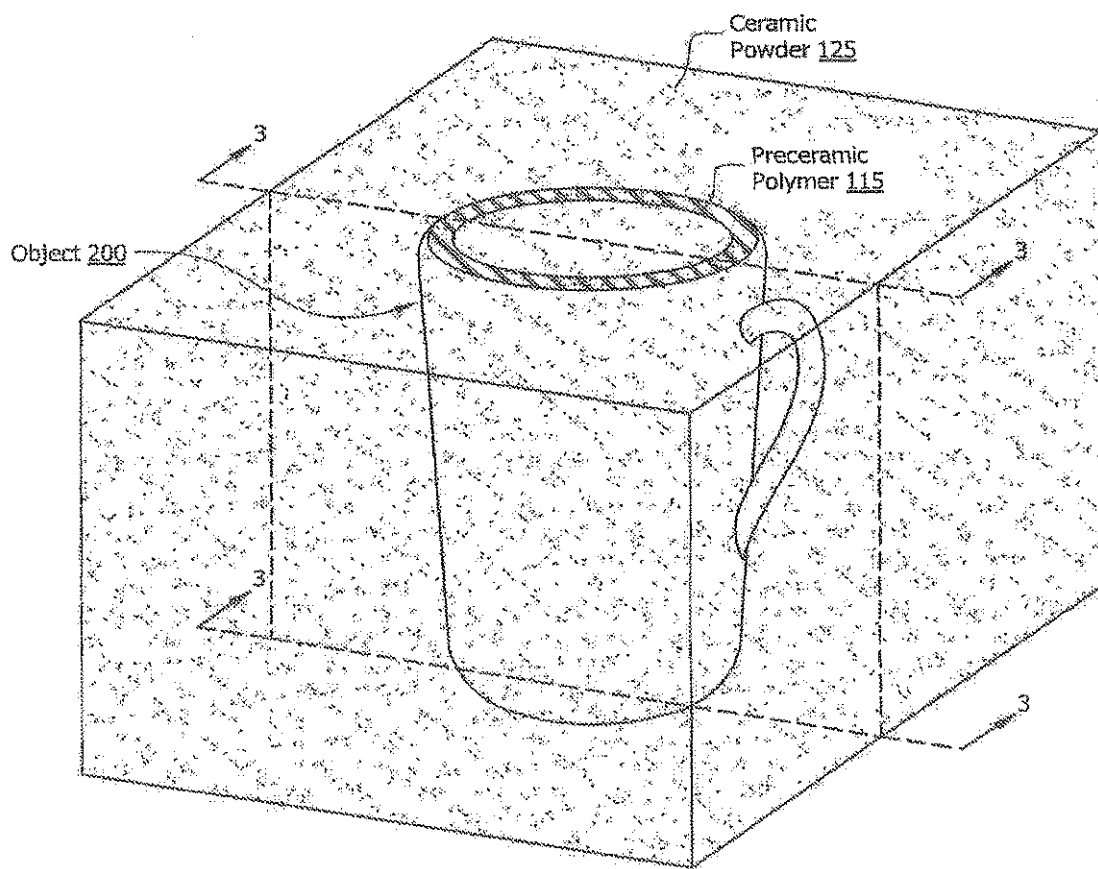


FIG. 2

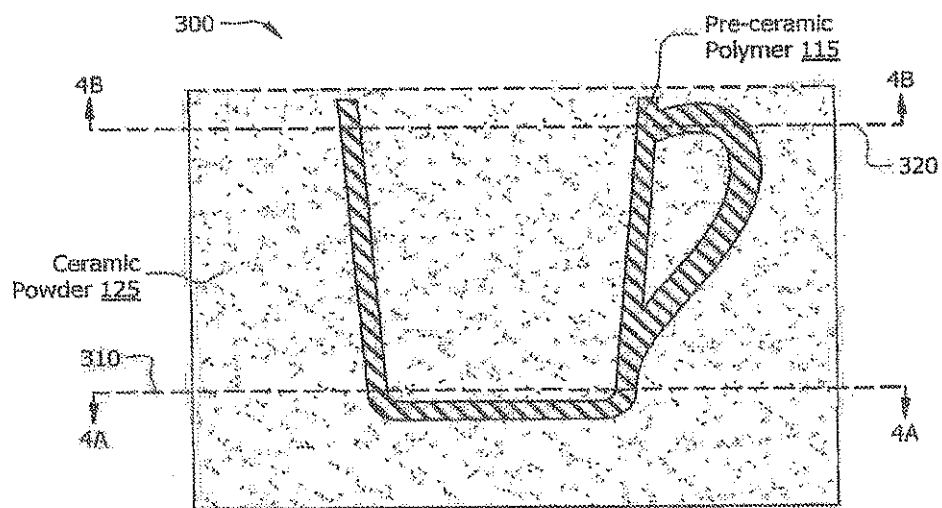
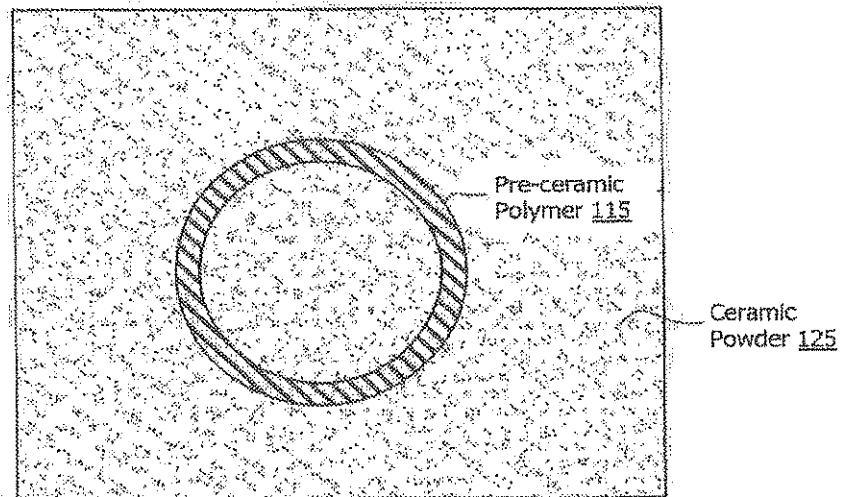


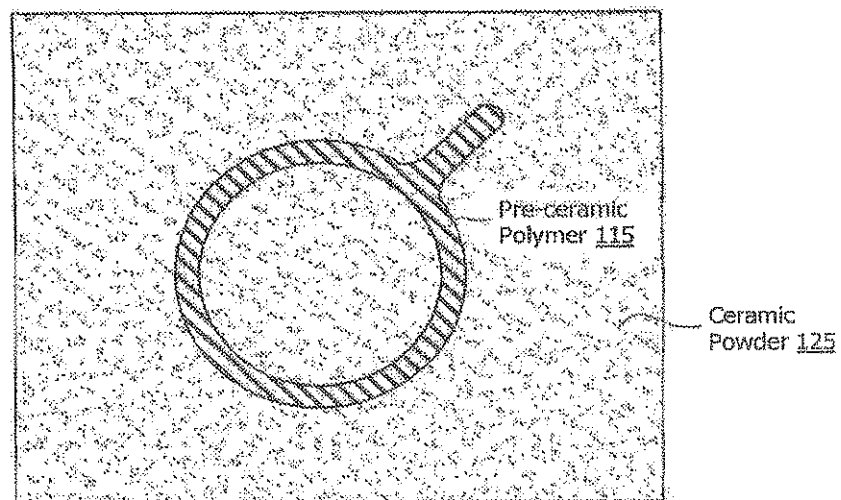
FIG. 3

Cross Section 310 —



*FIG. 4A*

Cross Section 320 —



*FIG. 4B*

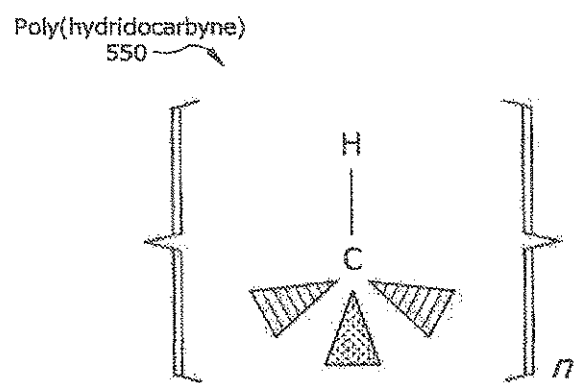


FIG. 5A

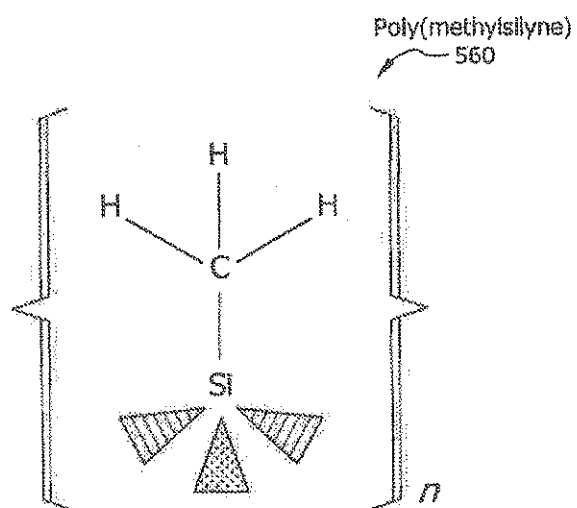


FIG. 5B

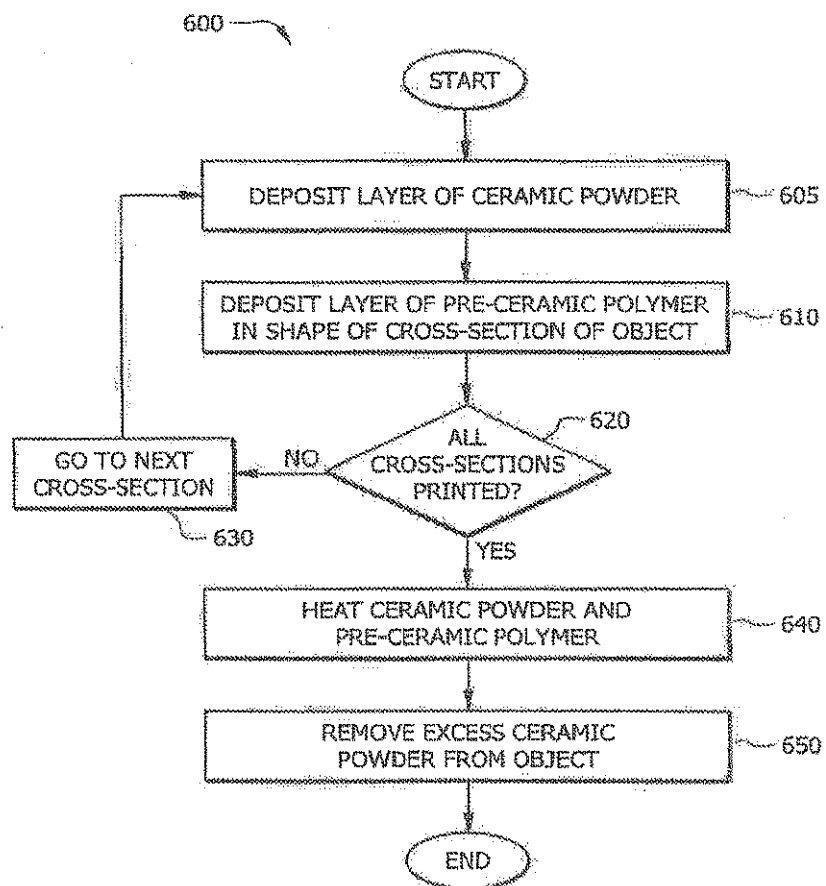


FIG. 6

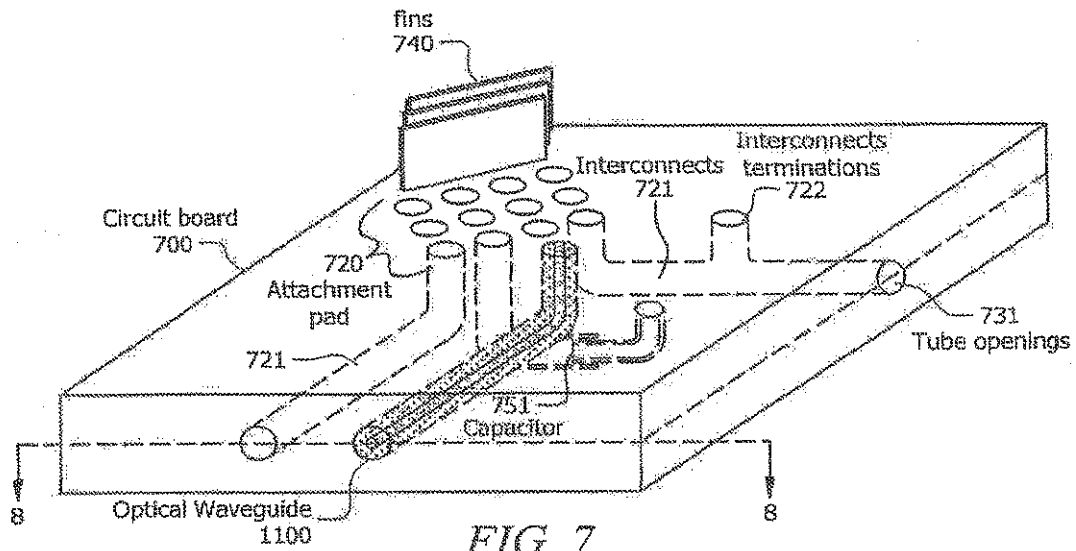


FIG. 7

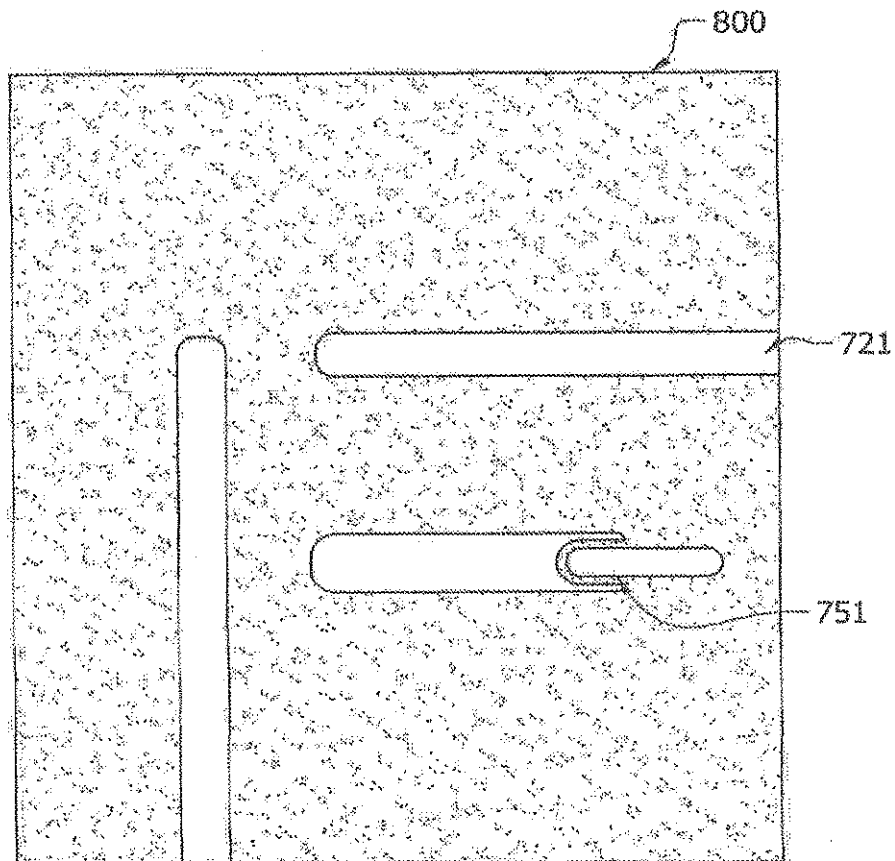


FIG. 8

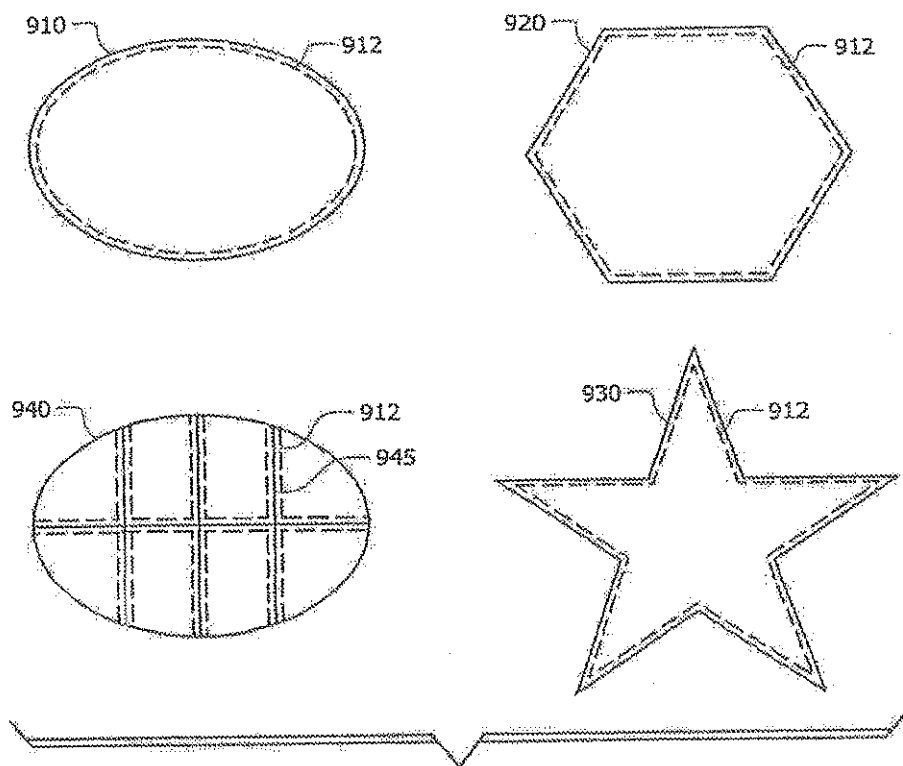


FIG. 9

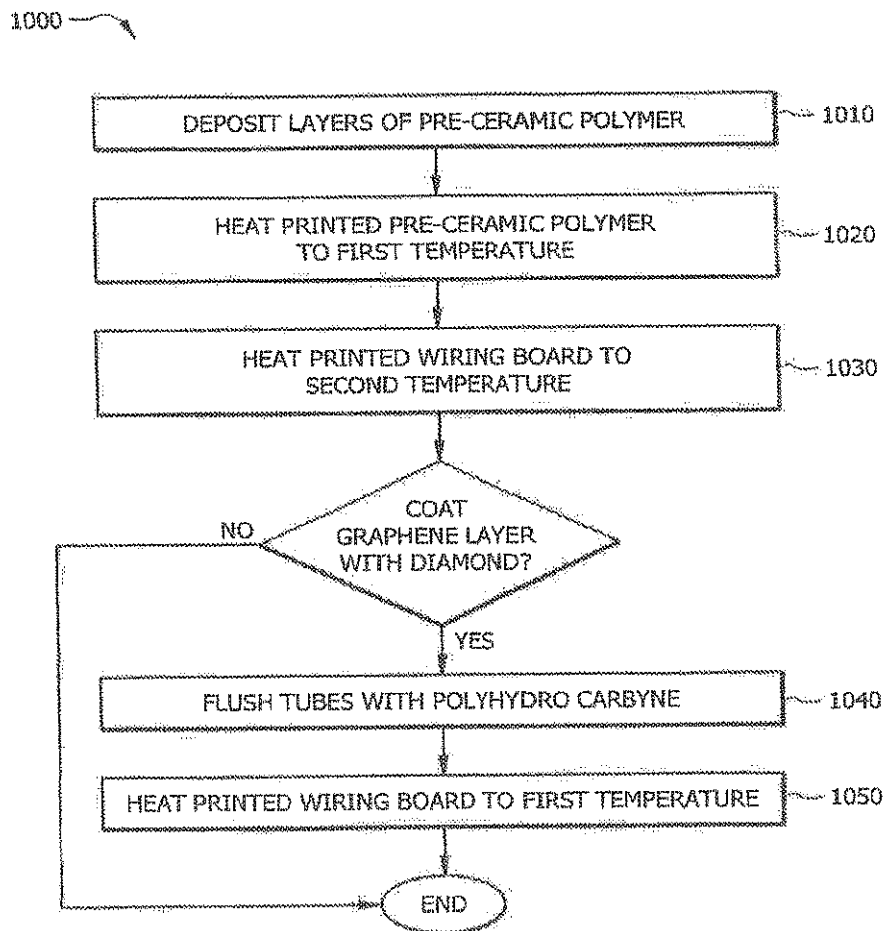
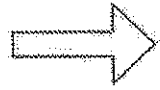
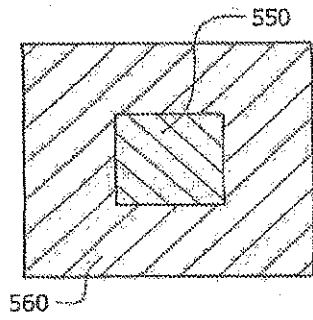
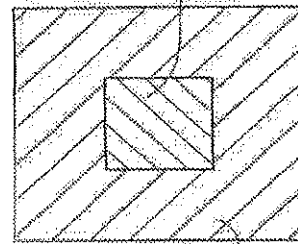


FIG. 10

Optical wave guide  
1100



Polycrystalline  
diamond core  
1150



1160  
Silicon carbide

FIG. 11A

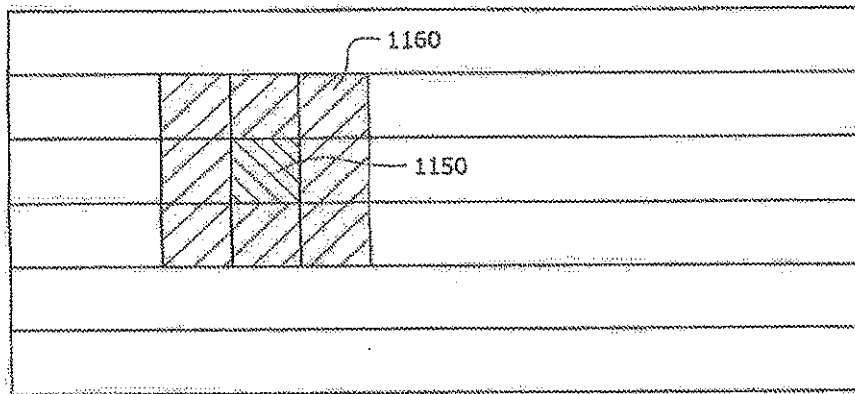


FIG. 11B

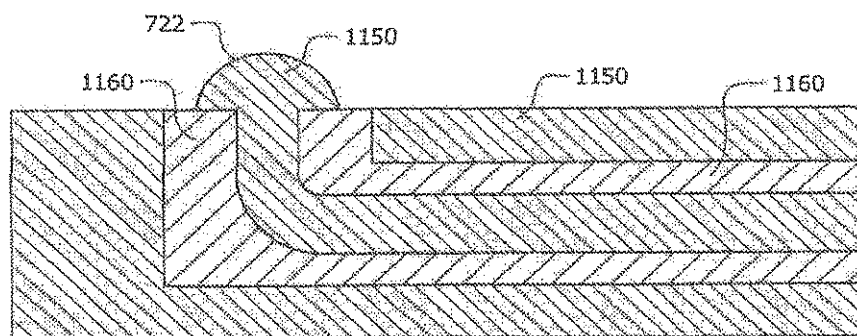


FIG. 11C

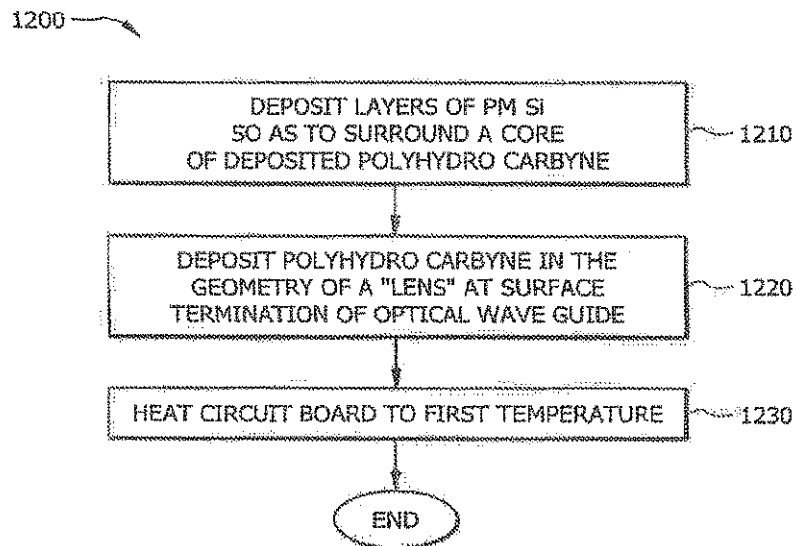


FIG. 12A

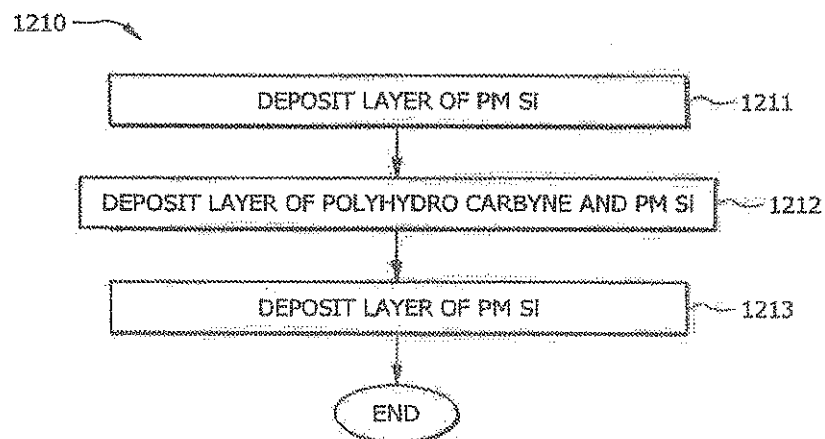


FIG. 12B

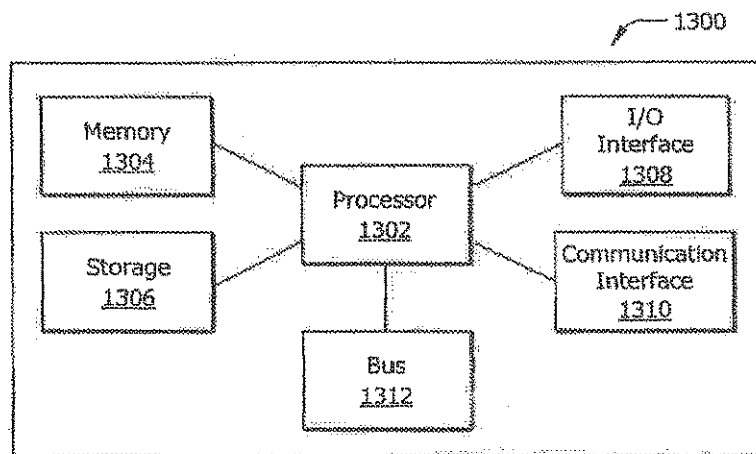


FIG. 13