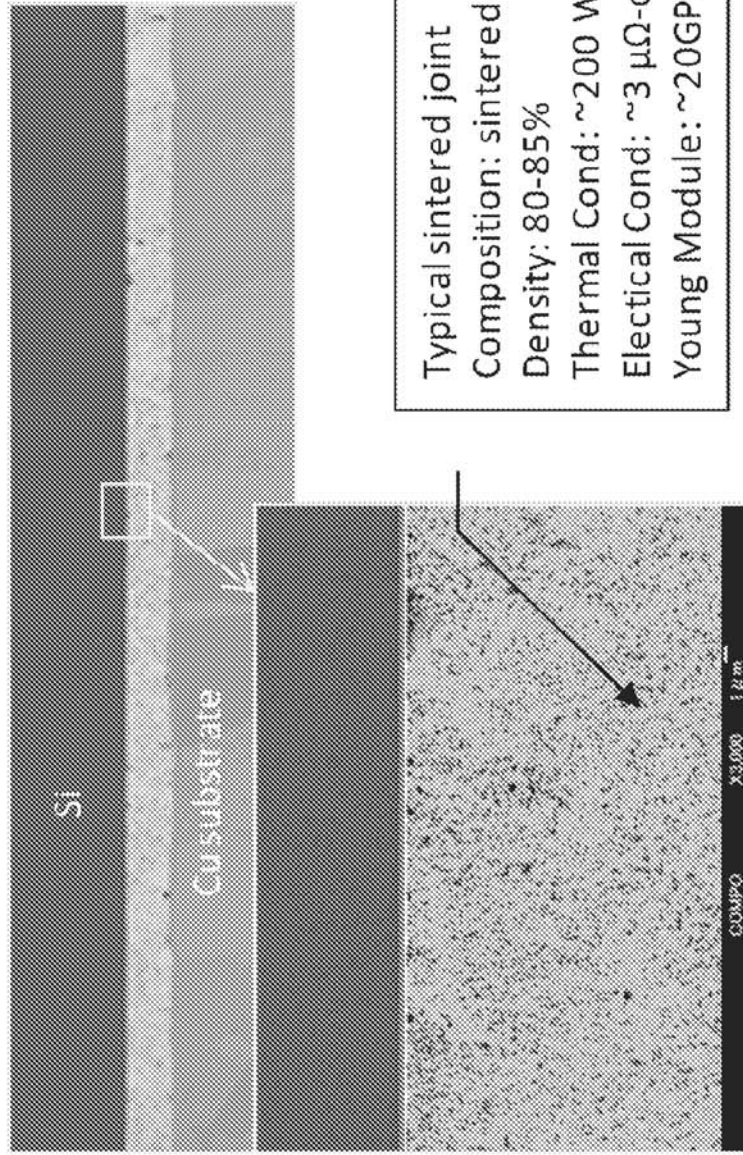




Typical sintered joint
 Composition: sintered silver particles
 Density: 80-85%
 Thermal Cond: ~200 WmK
 Electrical Cond: ~3 $\mu\Omega$ -cm
 Young Module: ~20GPa

FIG. 1

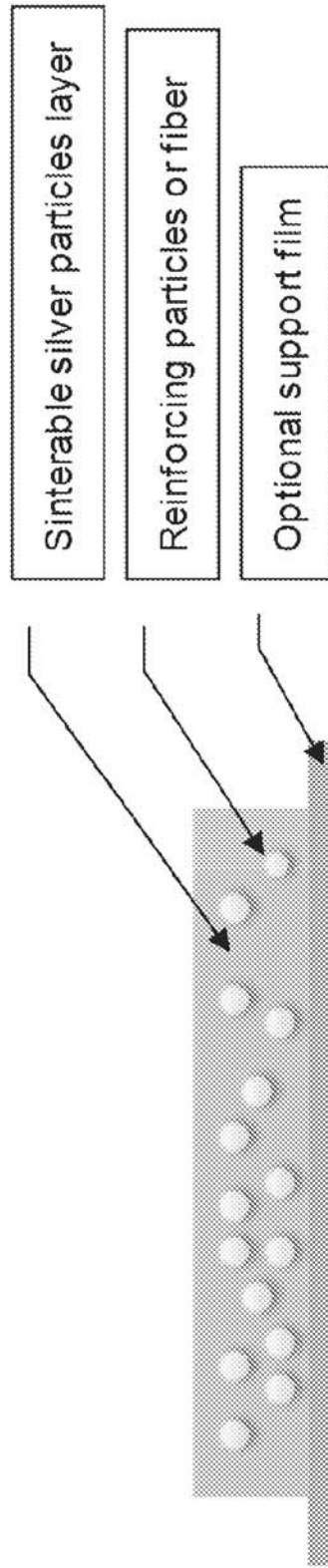
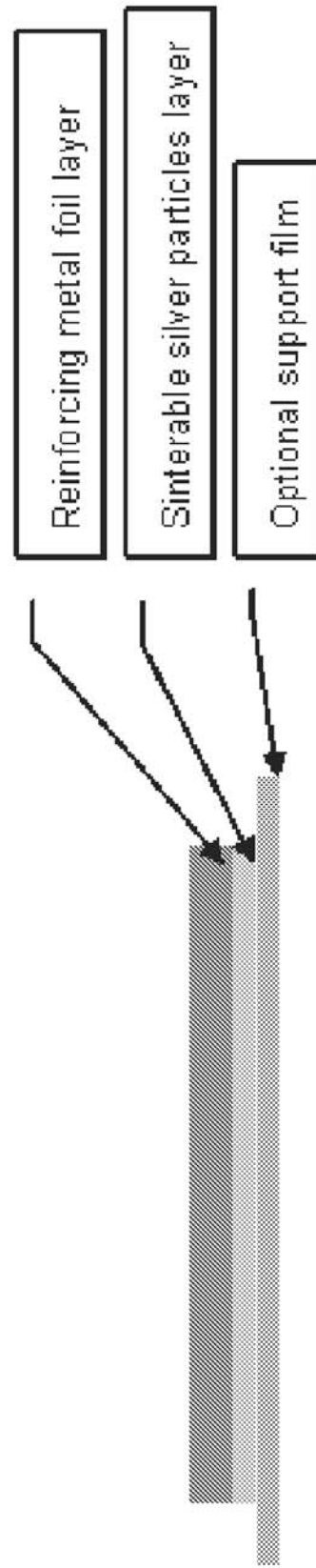


FIG. 2

**FIG. 3**

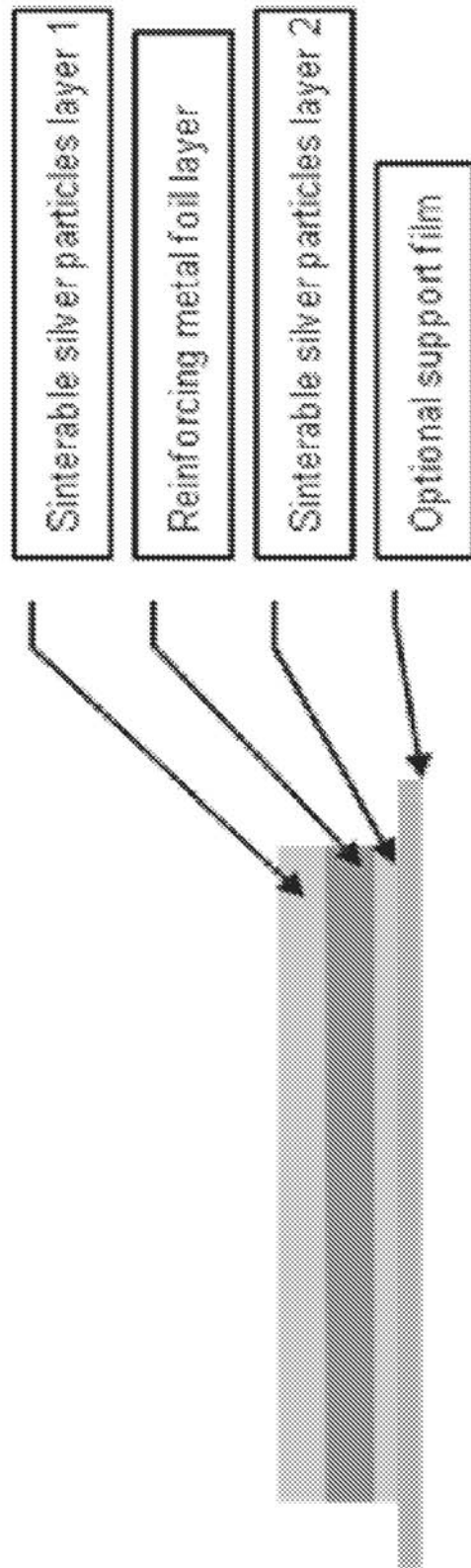


FIG. 4

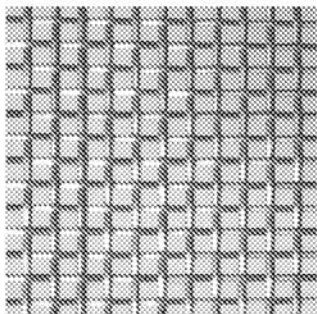


FIG. 5A

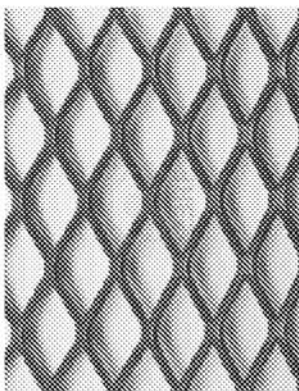


FIG. 5B

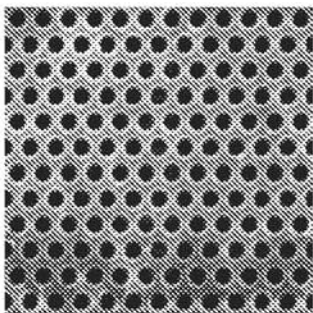


FIG. 5C

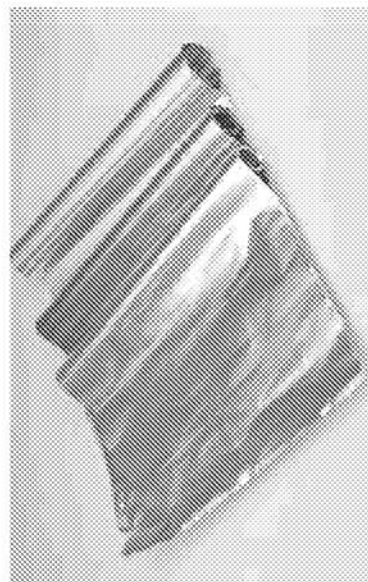


FIG. 5D

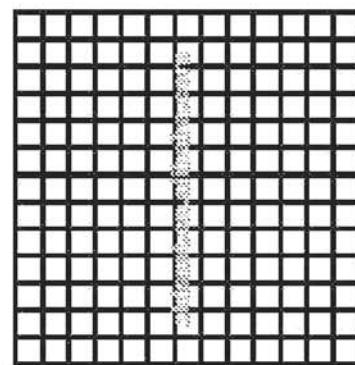
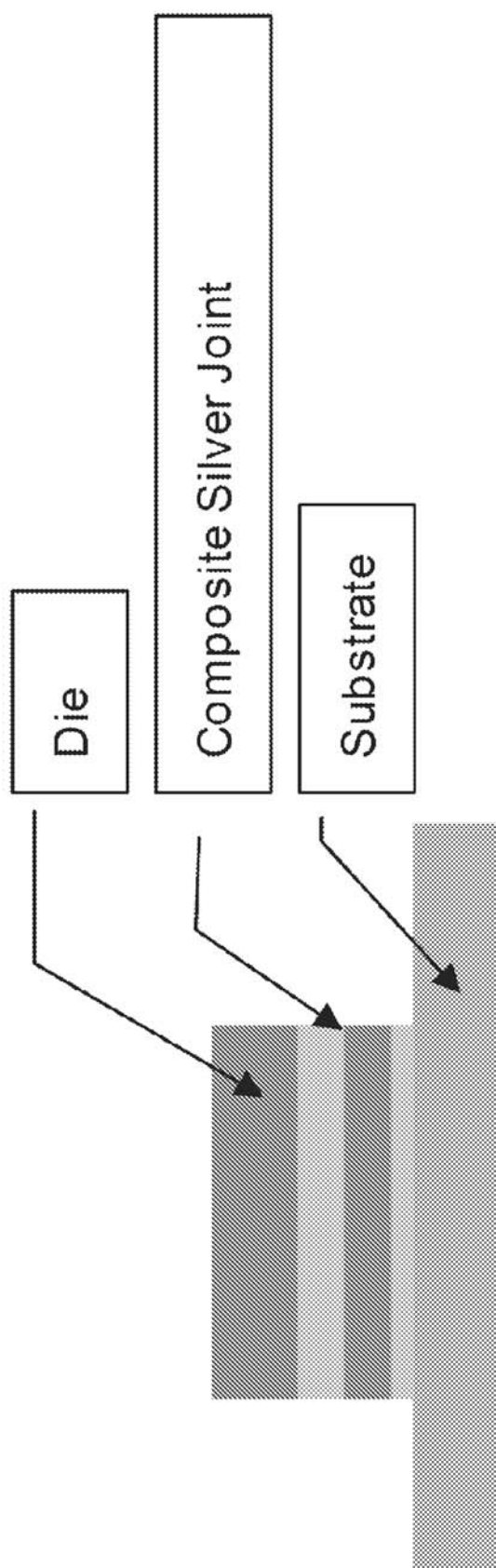


FIG. 5E

**FIG. 6**

Thermal shock test

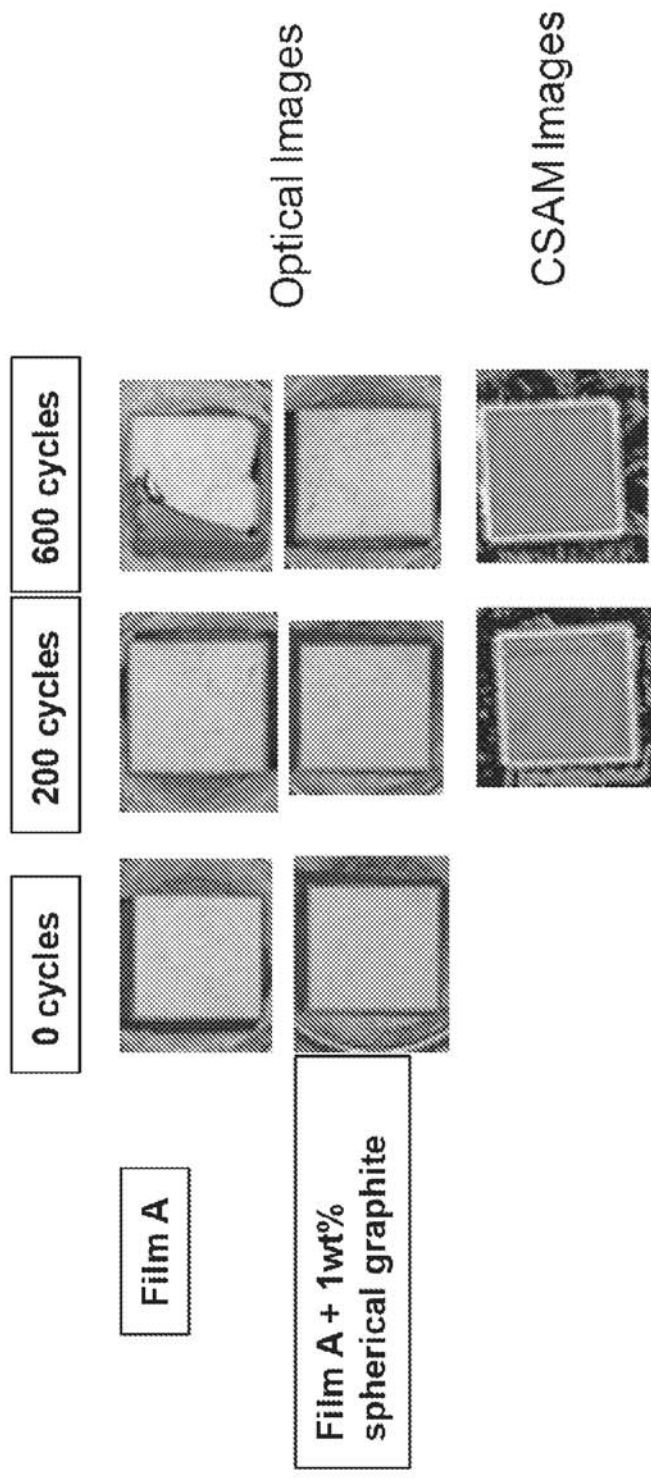


FIG. 7

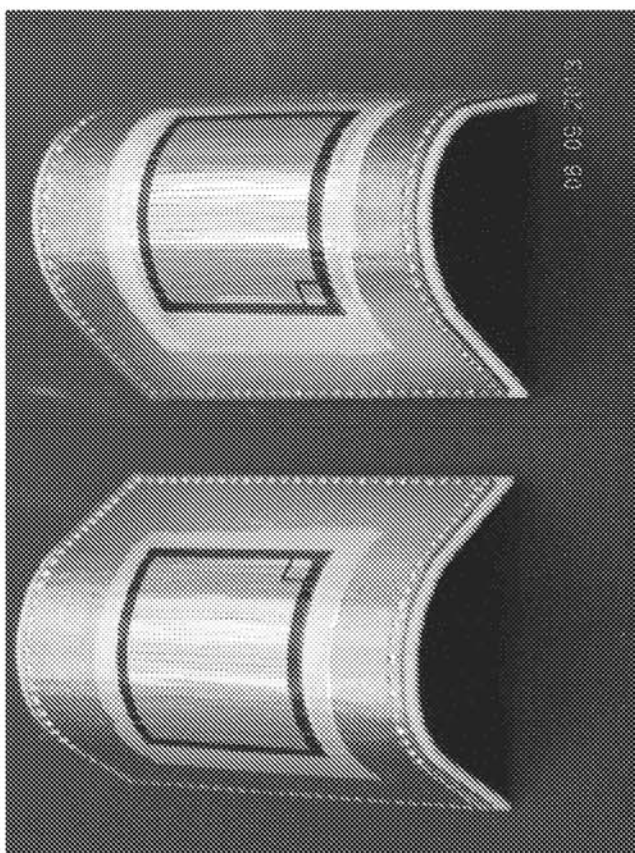


FIG. 8

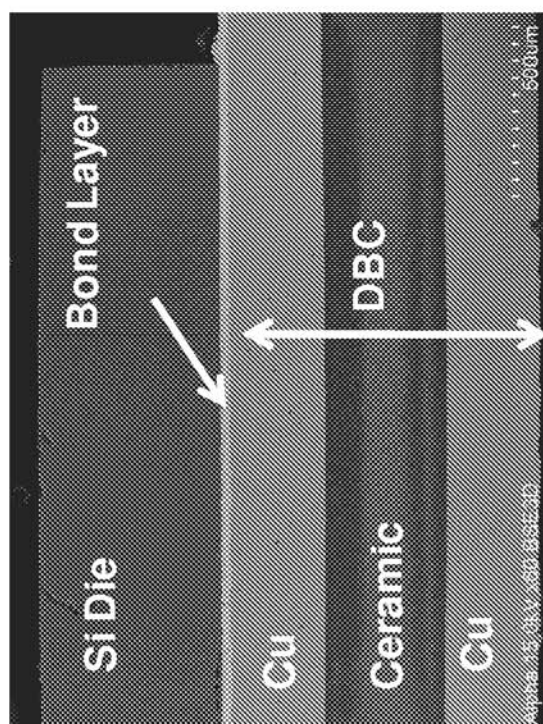


FIG. 9

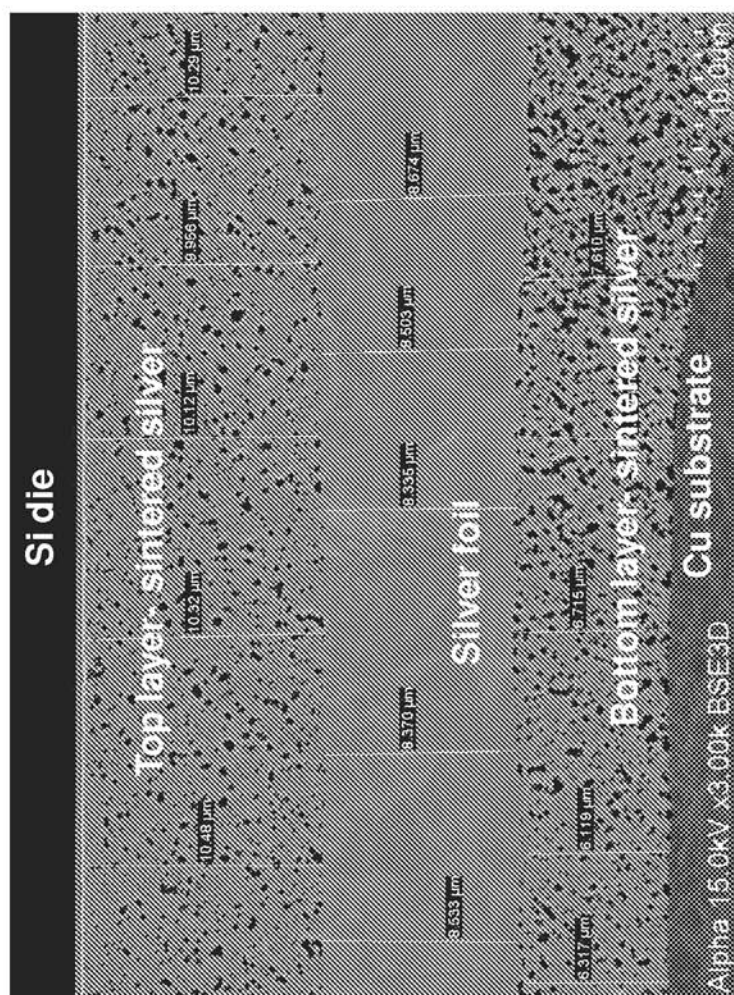
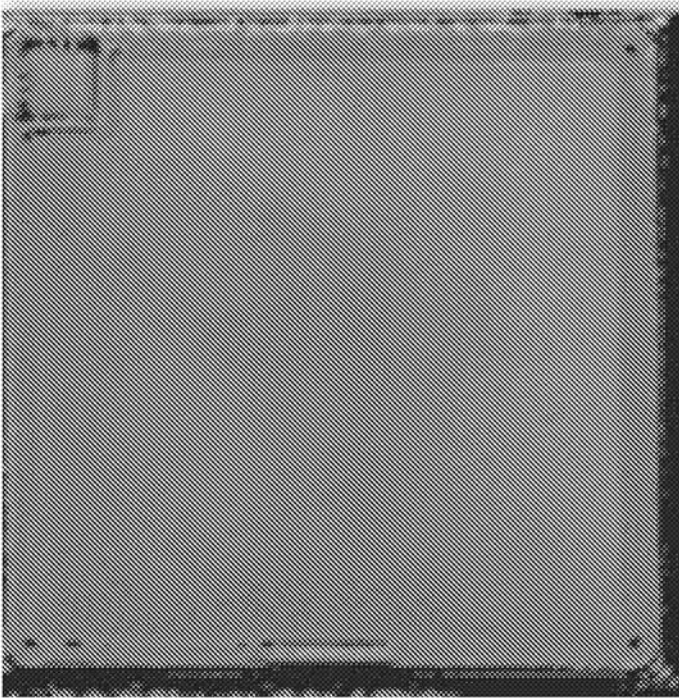
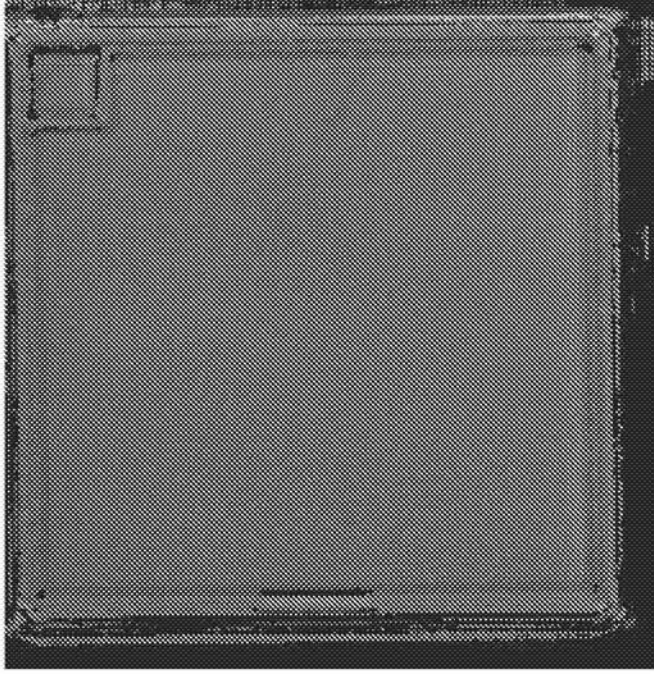


FIG. 10



0 cycles

FIG. 11A



500 cycles

FIG. 11B