

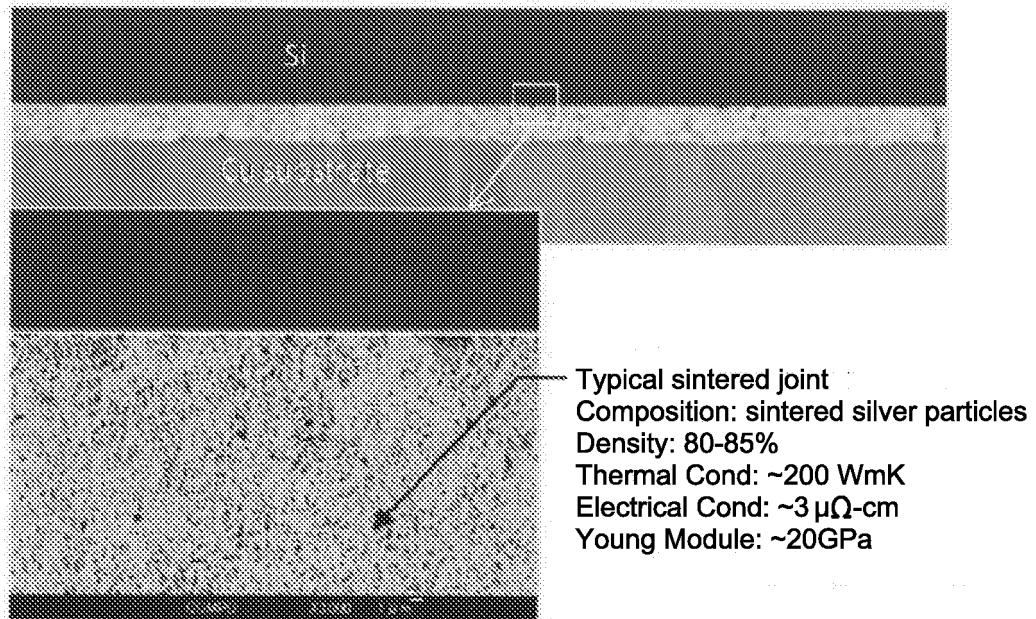


FIG. 1
(PRIOR ART)

Materials:

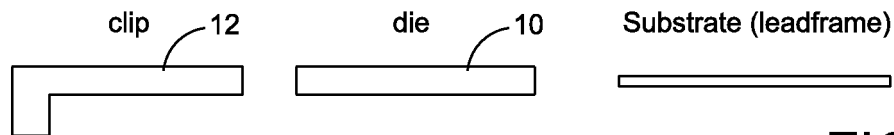


FIG. 2A

Step1 - laminate clip and die with sinterable silver film

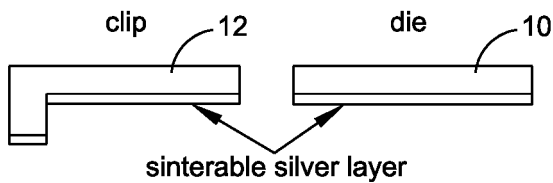


FIG. 2B

Step 2 - dispense tack agent on the substrate

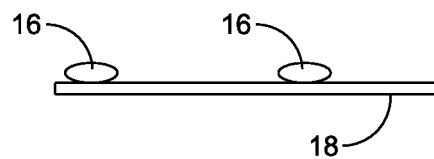


FIG. 2C

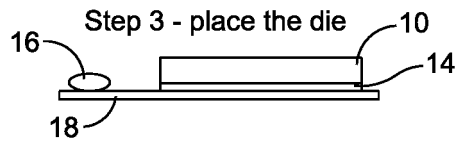


FIG. 2D

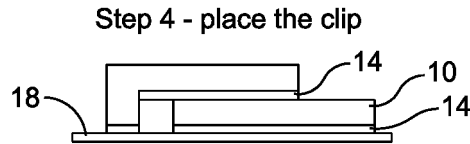


FIG. 2E

Step 5 - sinter in a sinter press

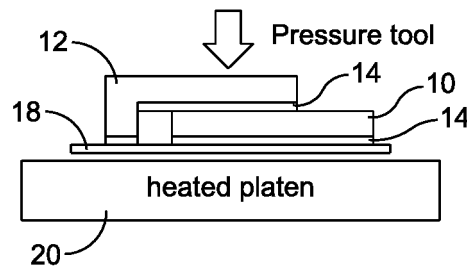


FIG. 2F

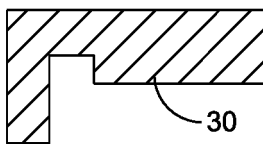


FIG. 3A

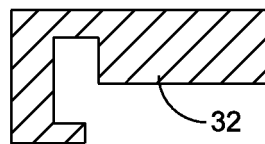


FIG. 3B

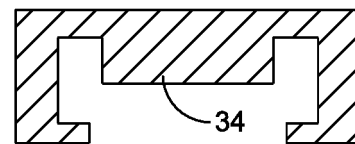


FIG. 3C

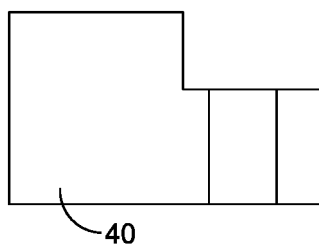


FIG. 4A

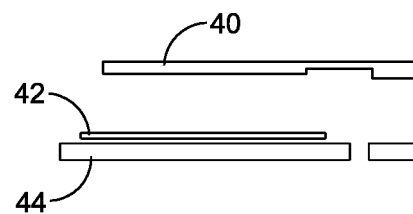


FIG. 4B

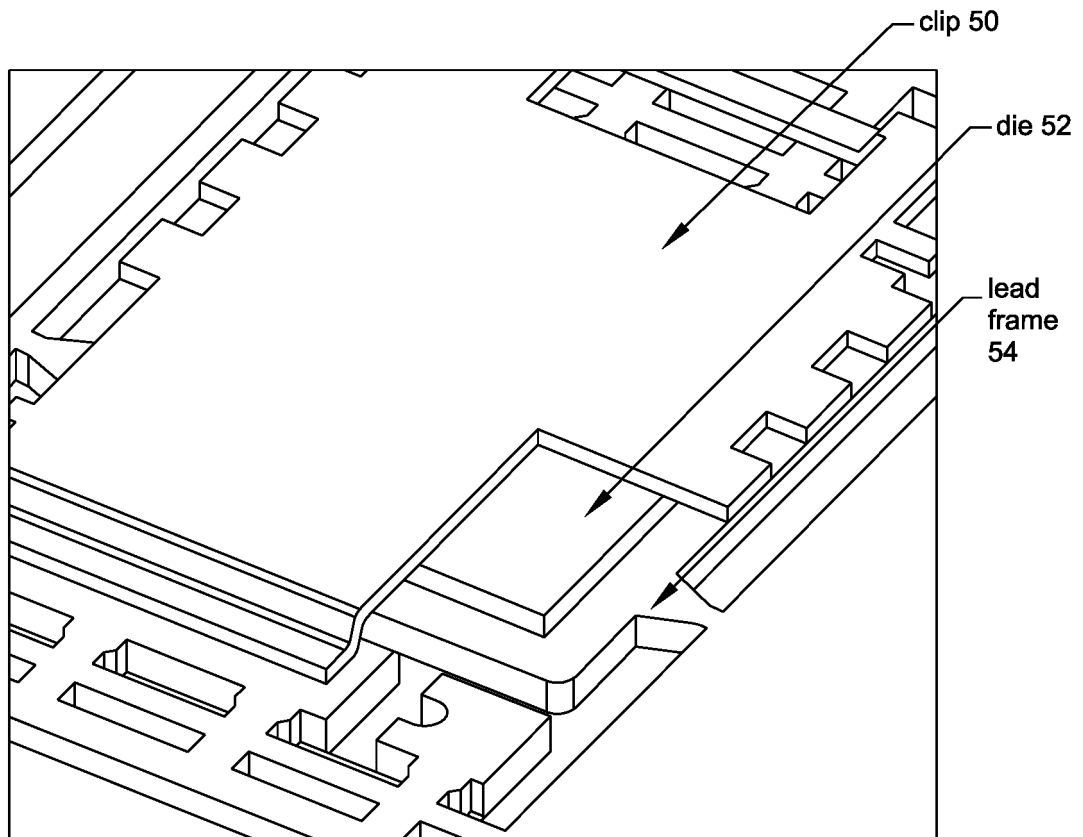
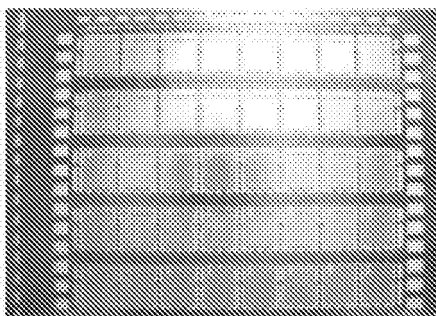
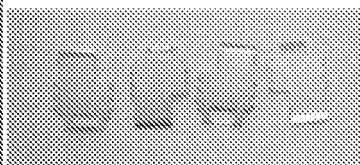


FIG. 5



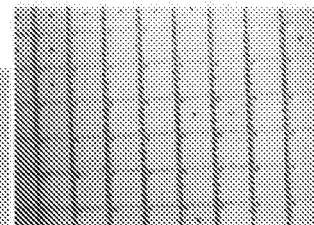
Lead Frame

FIG. 6A



Clips

FIG. 6B



Dies

FIG. 6C

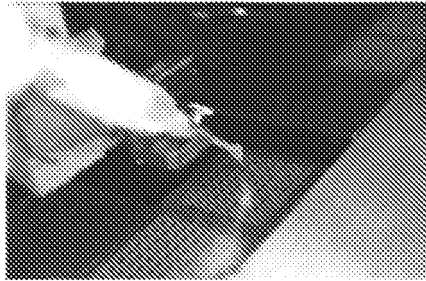


FIG. 7A

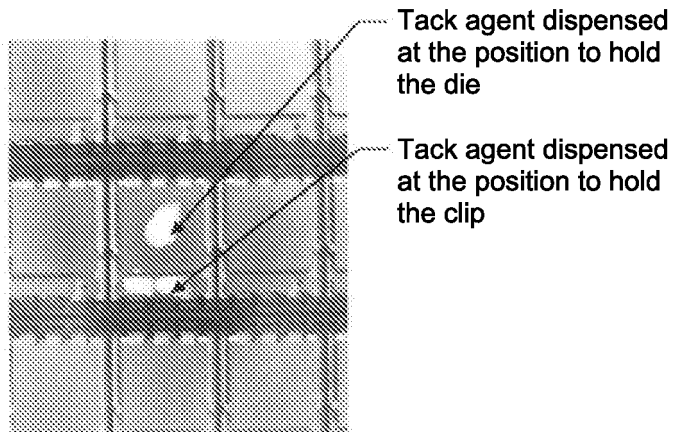


FIG. 7B

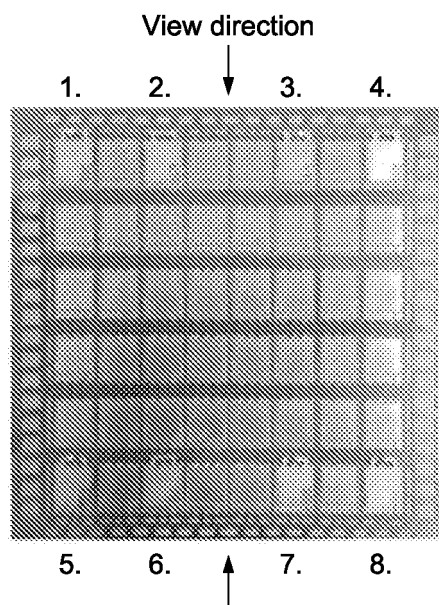


FIG. 8A

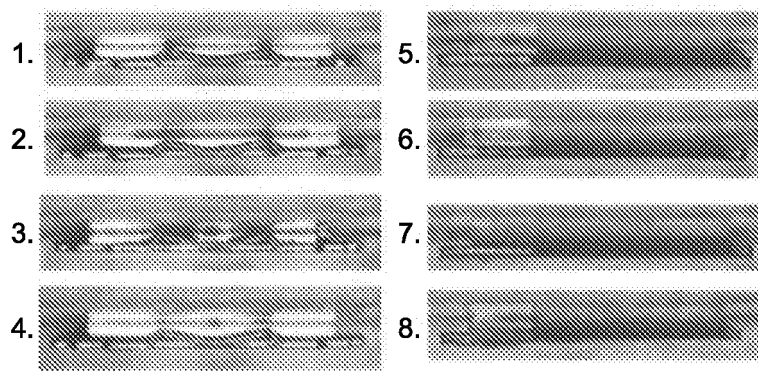


FIG. 8B

FIG. 8C

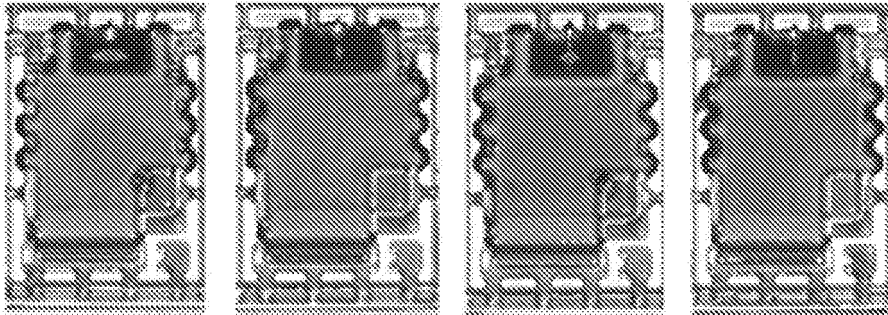


FIG. 9A FIG. 9B FIG. 9C FIG. 9D

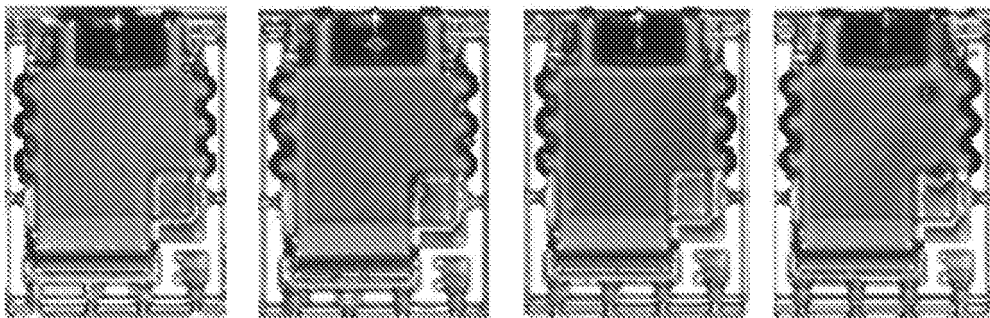


FIG. 9E FIG. 9F FIG. 9G FIG. 9H

Cross section line

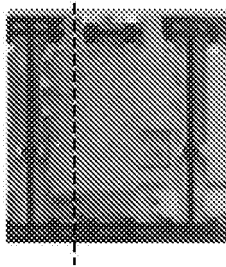


FIG. 10A



FIG. 10B

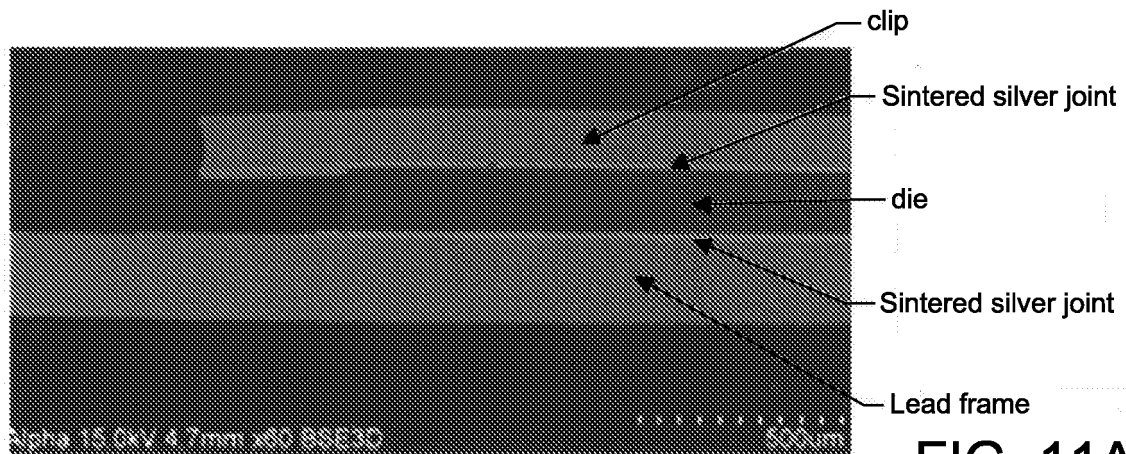


FIG. 11A

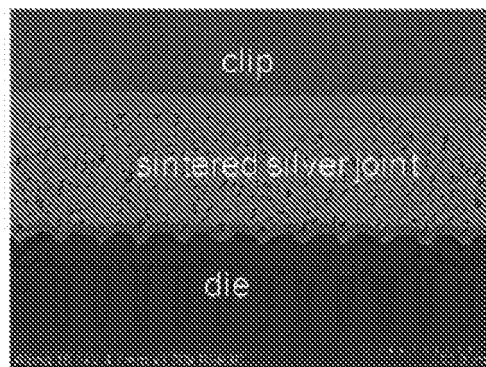


FIG. 11B



FIG. 11C



FIG. 11D

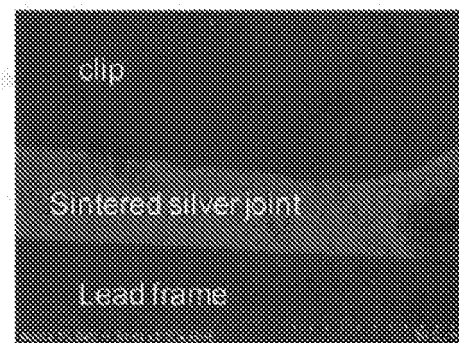


FIG. 11E

Lead frame with Clips prior to lamination

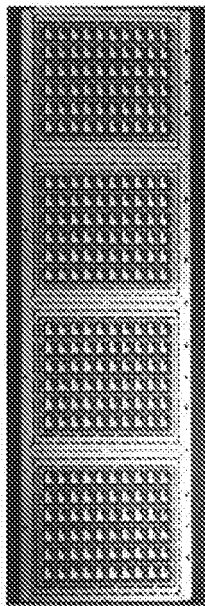


FIG. 12A

Clips prior to lamination

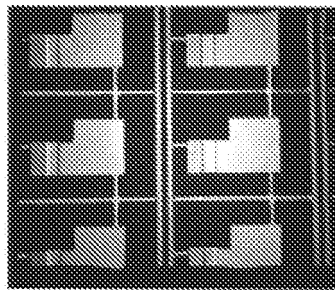


FIG. 12B

Lead frame with Clips after the lamination

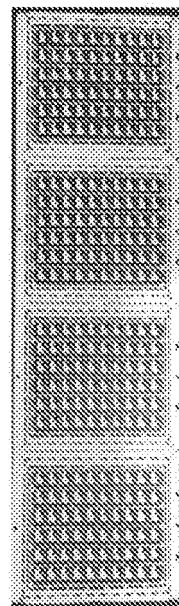
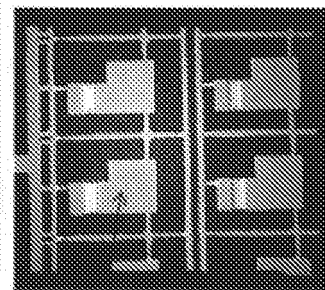


FIG. 13A

Clips after lamination



Laminated
Sinterable
Silver Layer

FIG. 13B