

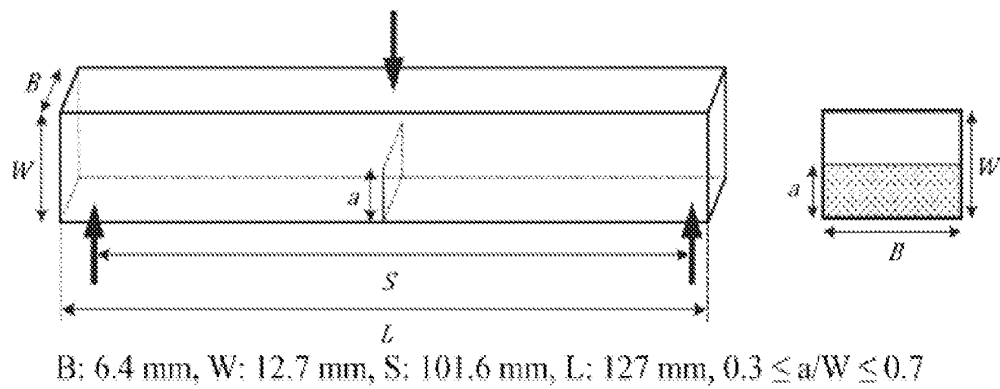
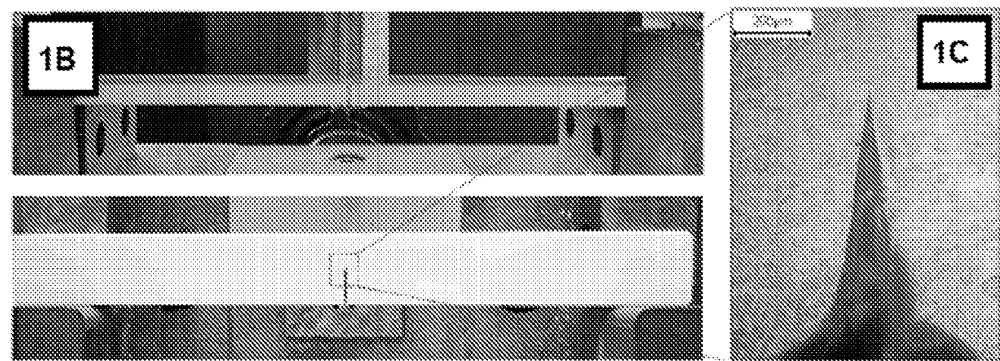
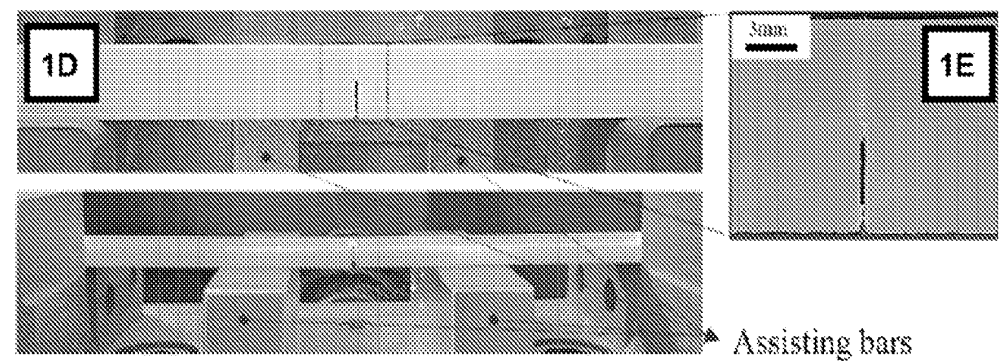


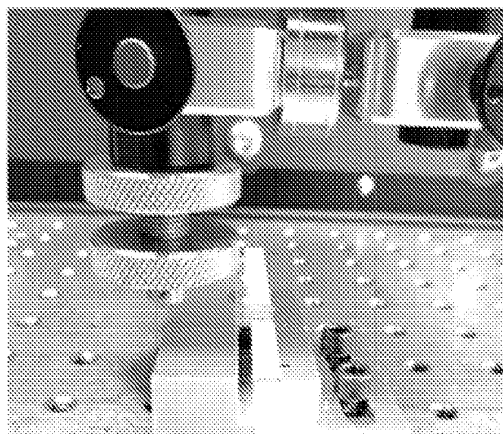
FIG. 1A



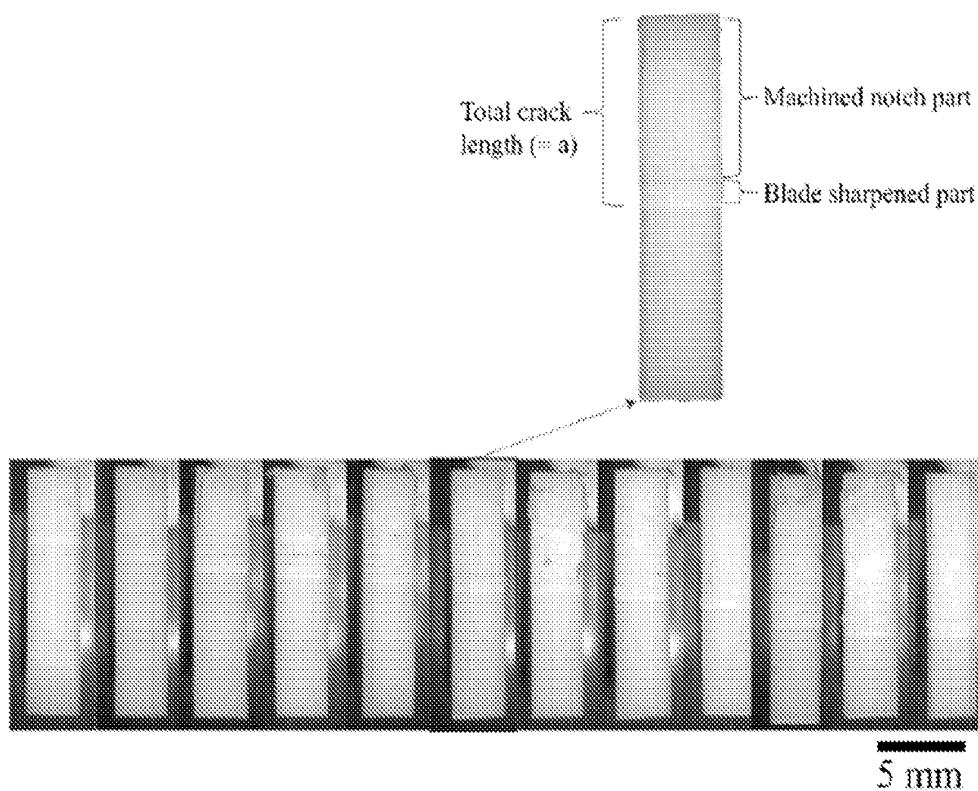
FIGs. 1B-1C

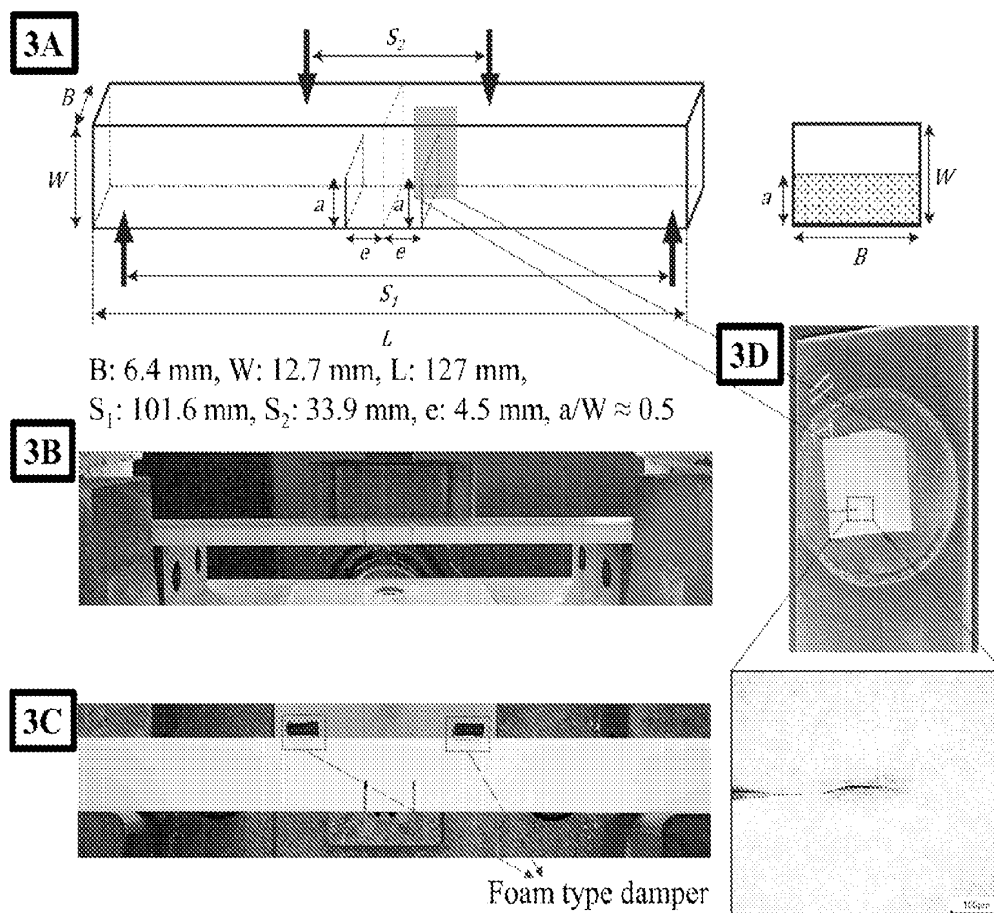


FIGs. 1D-1E



Load range: 1 – 50 N, Sliding speed: 50 mm/s
Sliding length: 30 mm, Tip: razor blade

FIG. 2A**FIG. 2B**



FIGs. 3A-3D

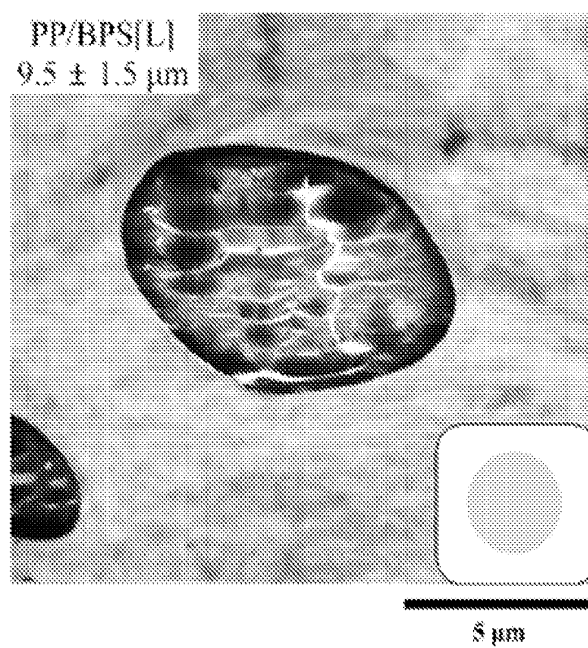


FIG. 4A

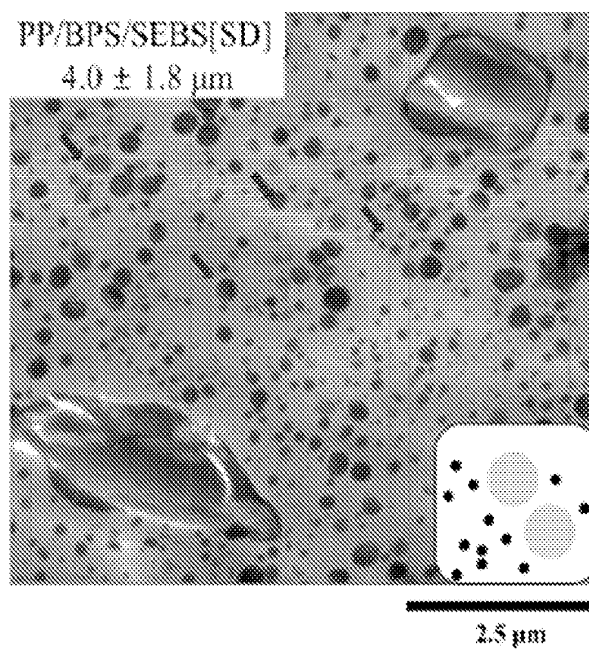


FIG. 4B

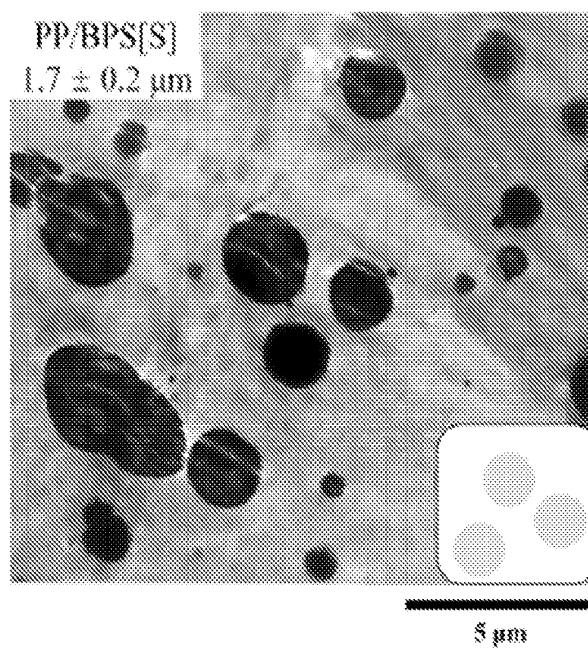


FIG. 4C

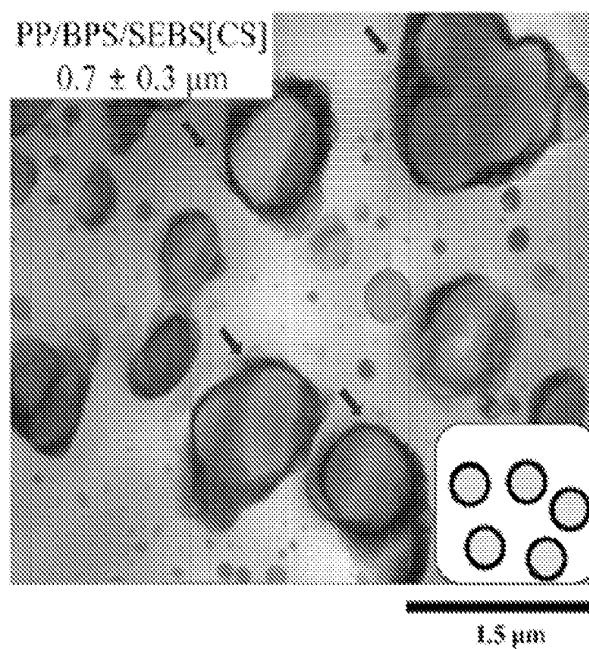


FIG. 4D

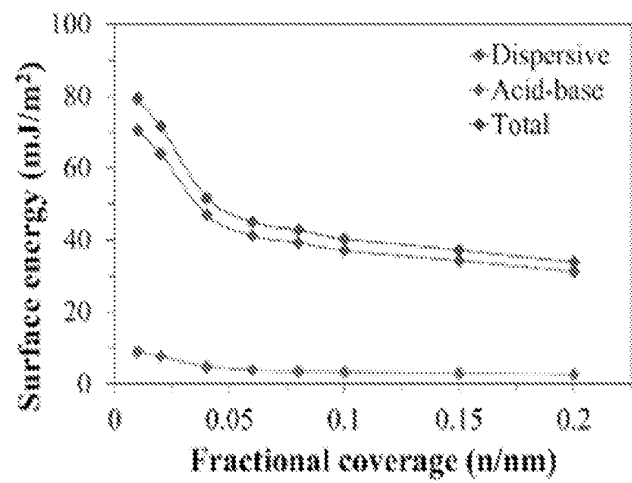


FIG. 5A

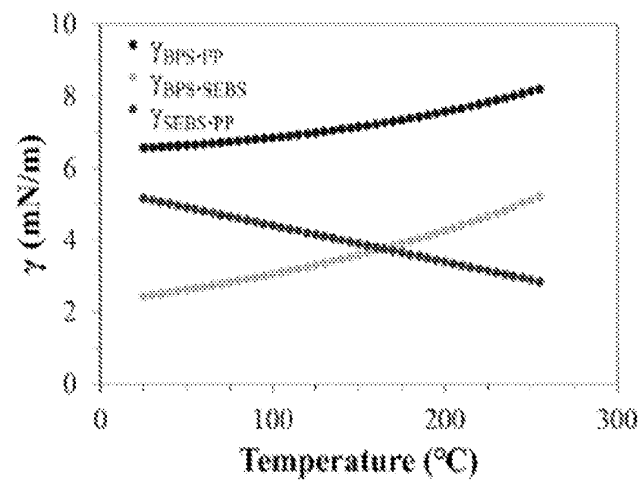


FIG. 5B

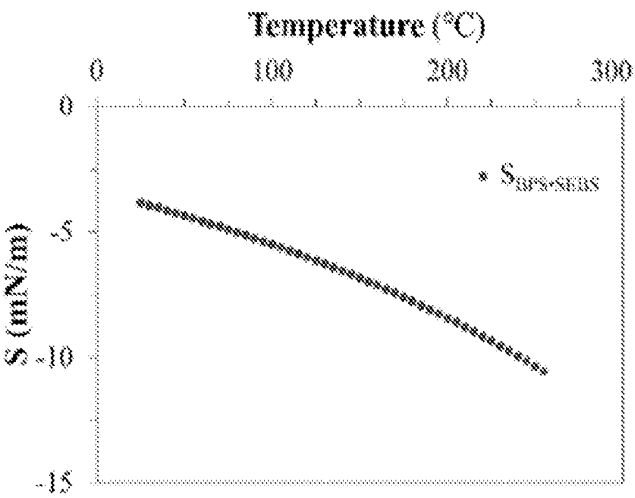


FIG. 5C

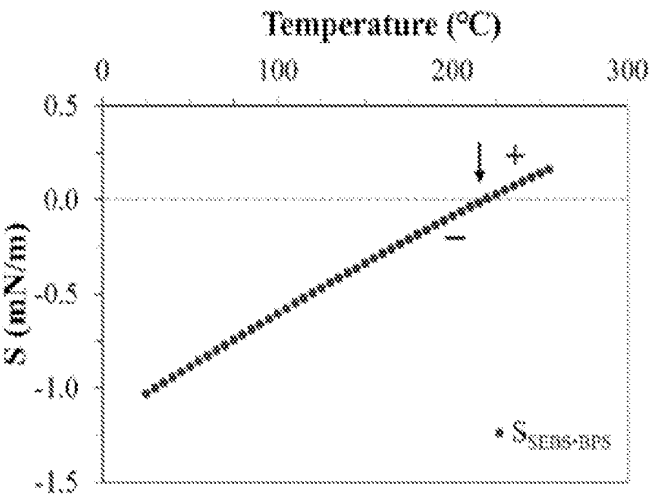


FIG. 5D

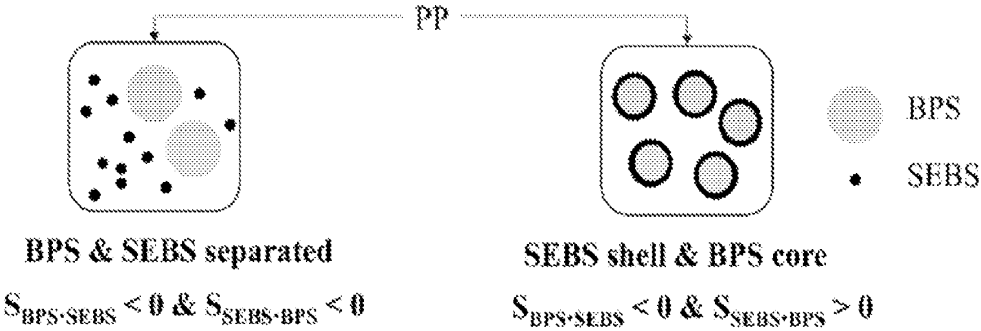


FIG. 5E

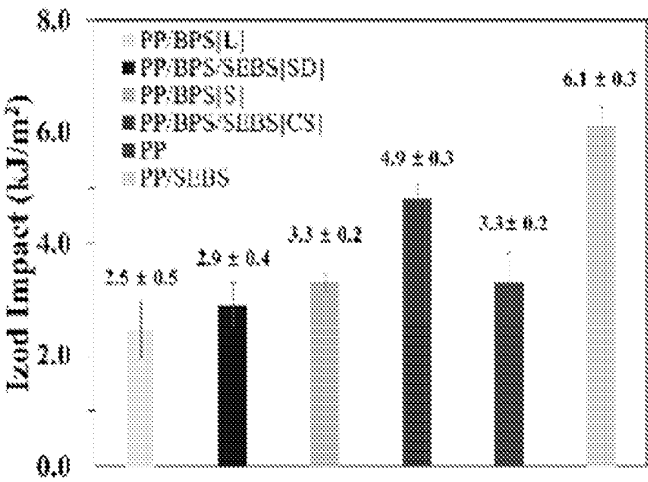


FIG. 6A

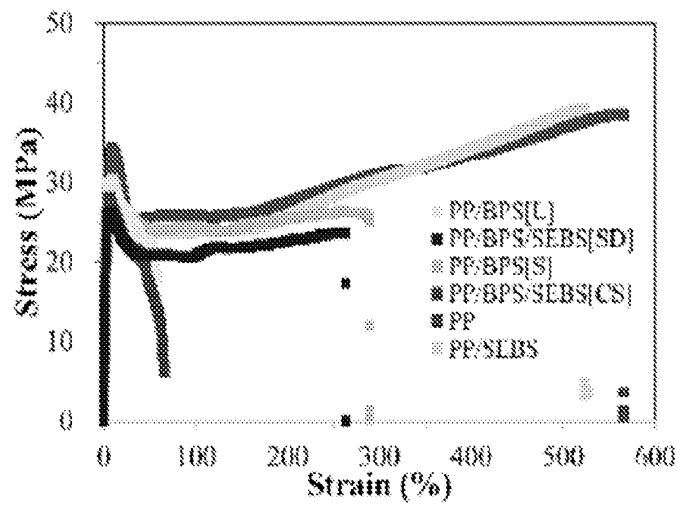


FIG. 6B

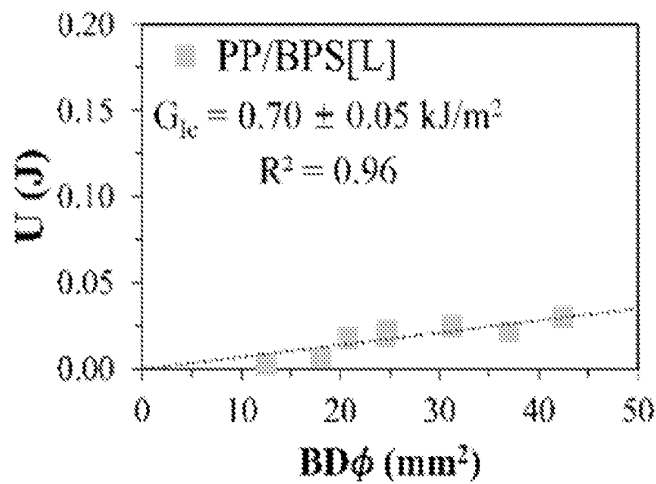


FIG. 7A

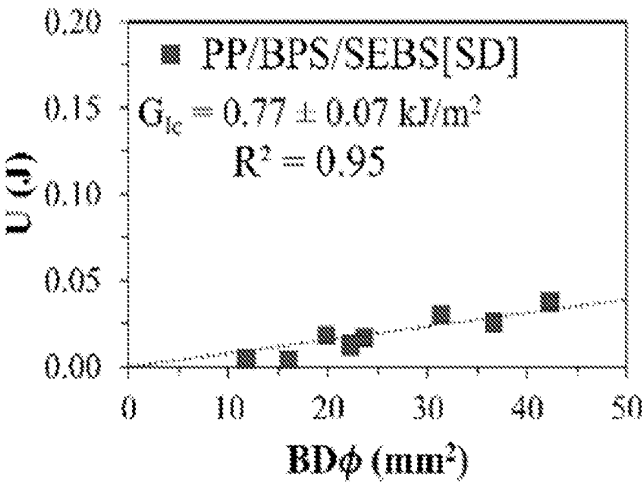


FIG. 7B

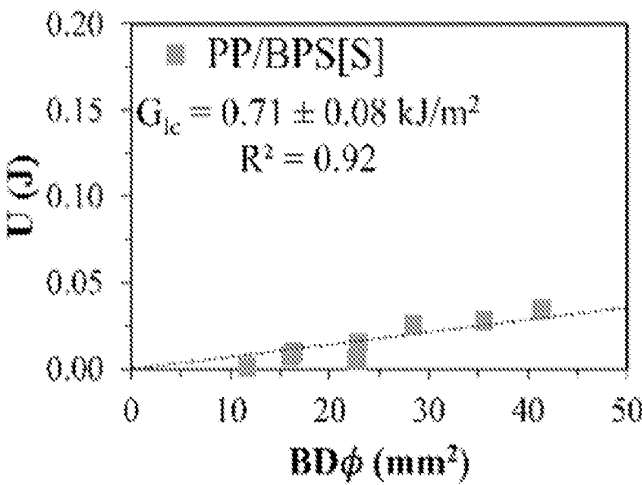


FIG. 7C

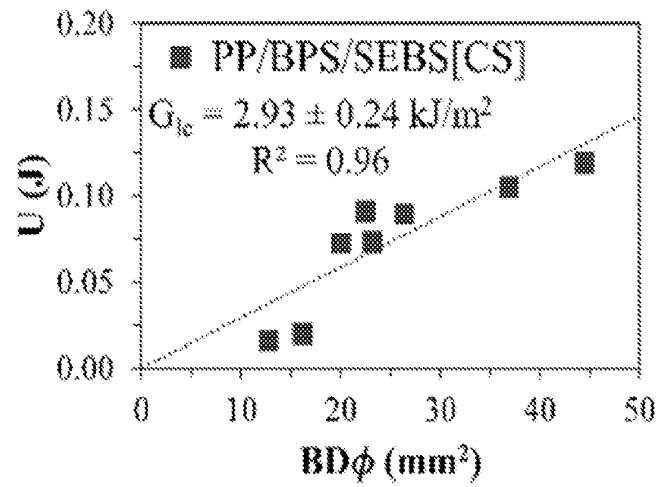


FIG. 7D

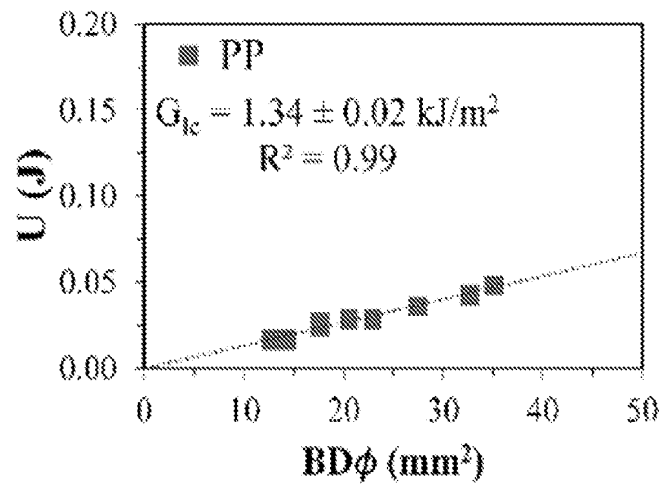


FIG. 7E

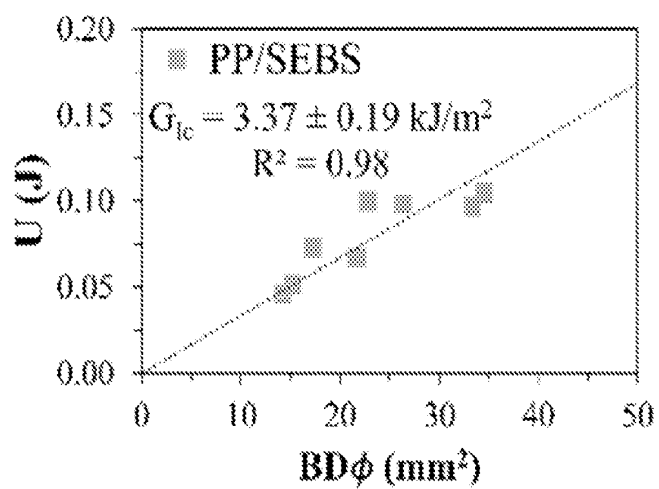
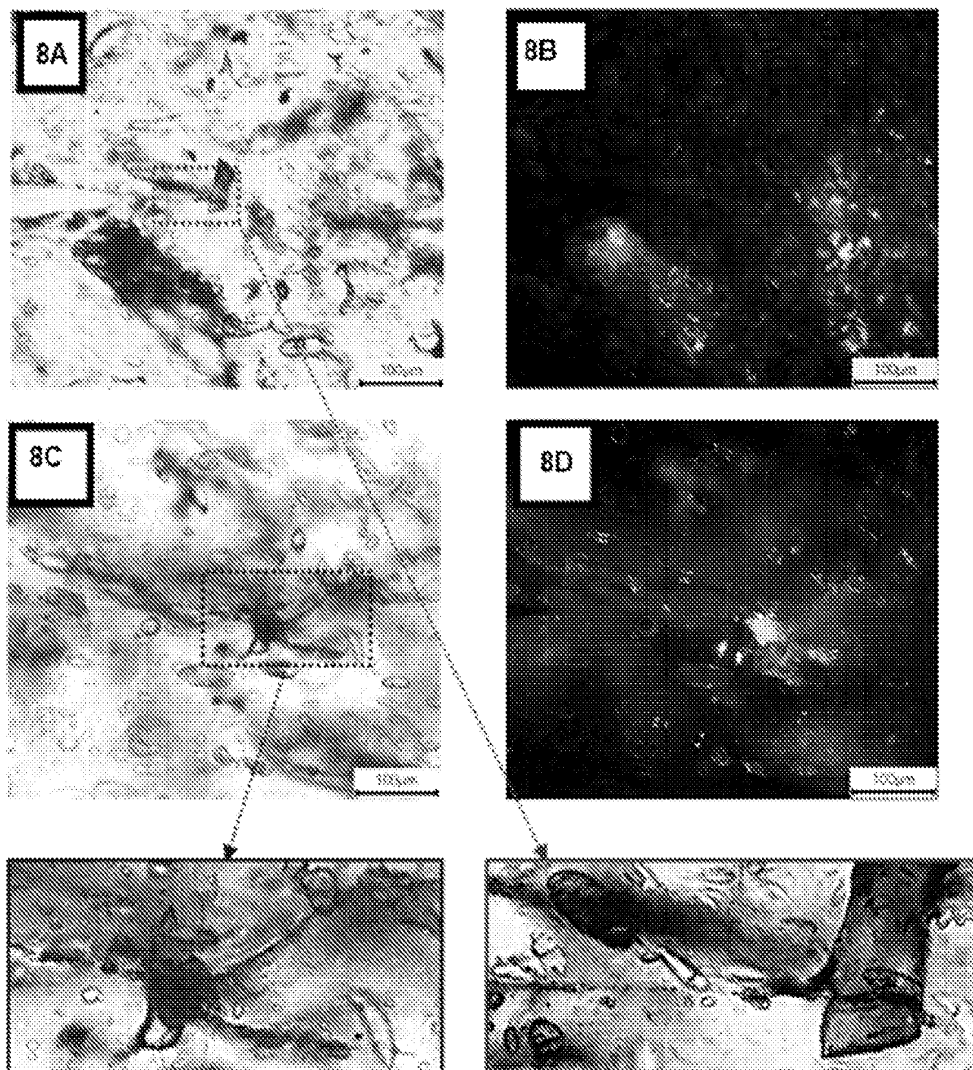


FIG. 7F

**FIGs. 8A-8D**

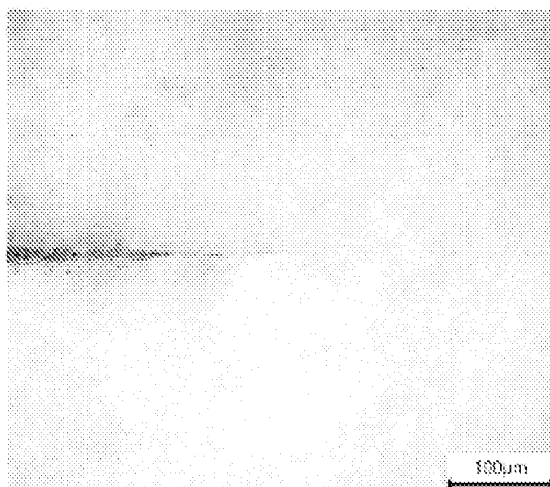


FIG. 9A

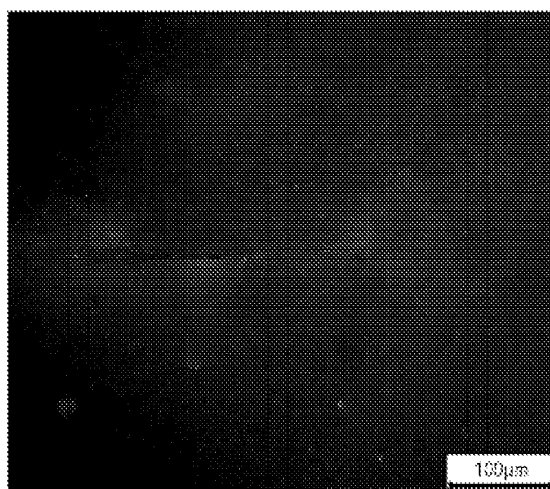


FIG. 9B

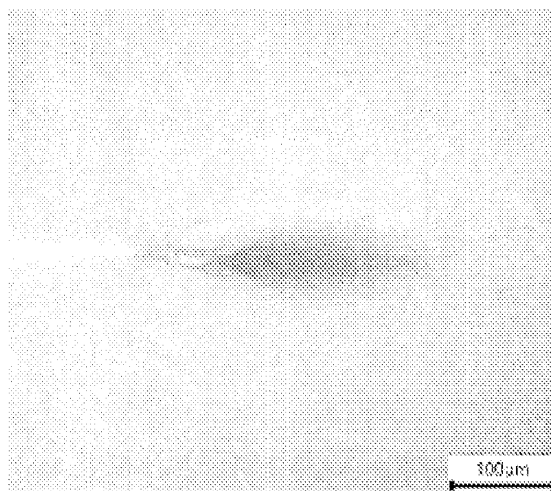


FIG. 9C

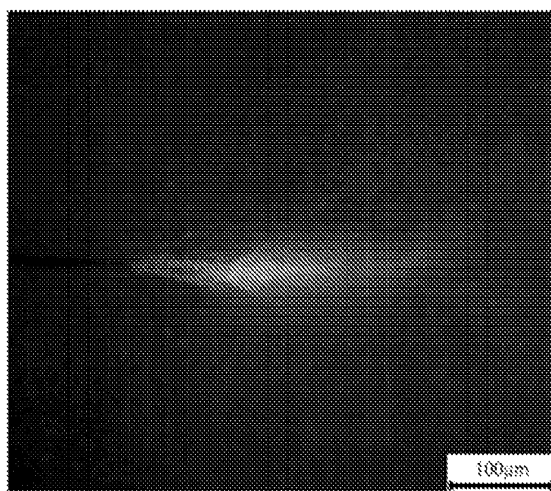
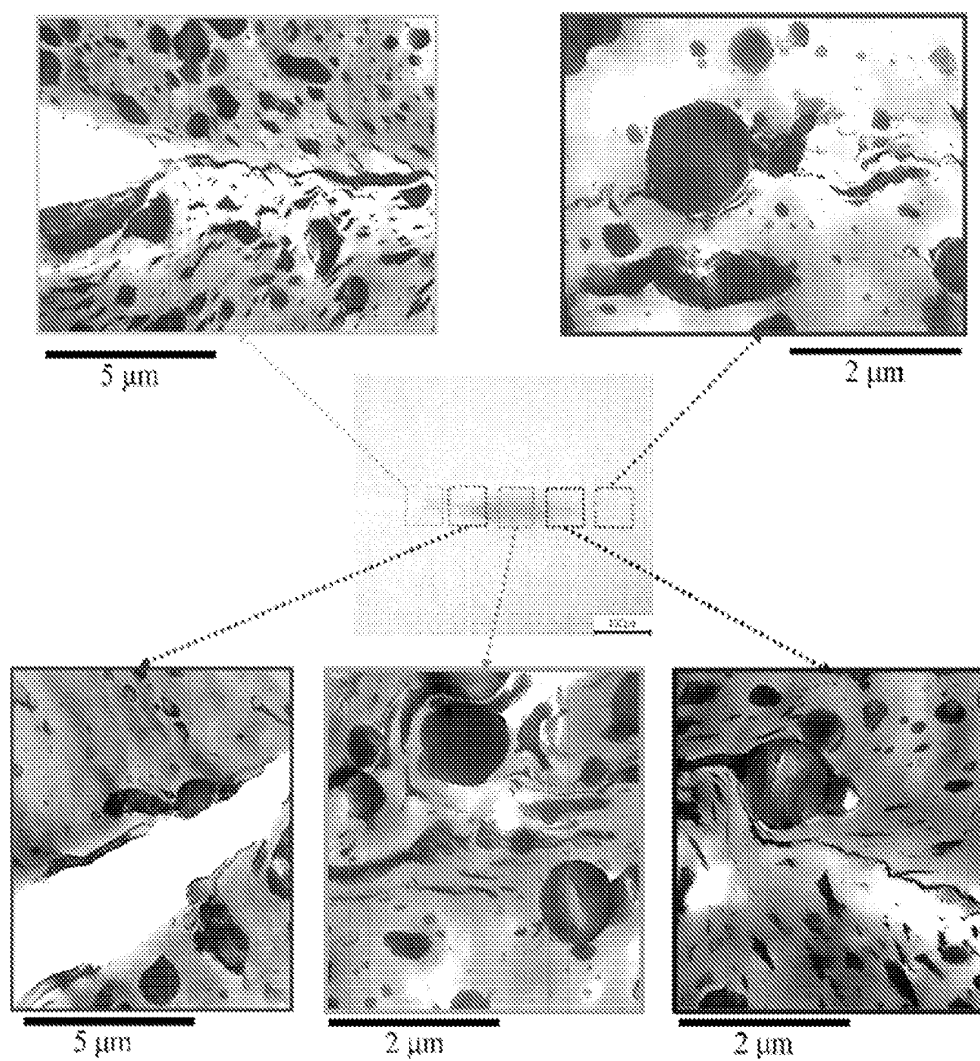


FIG. 9D

**FIG. 10**

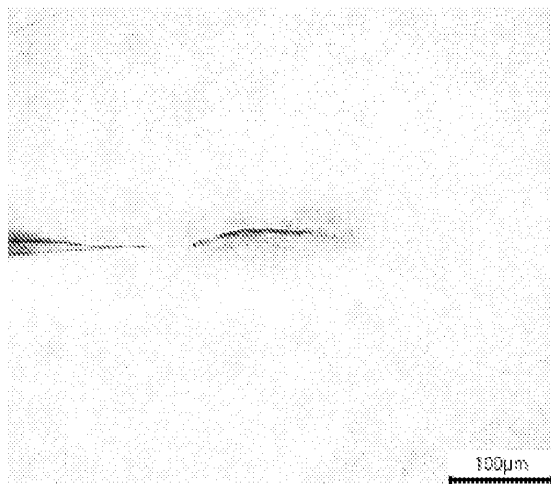


FIG. 11A

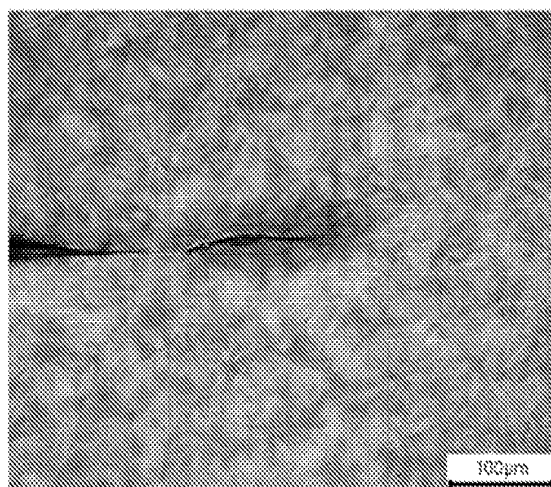


FIG. 11B

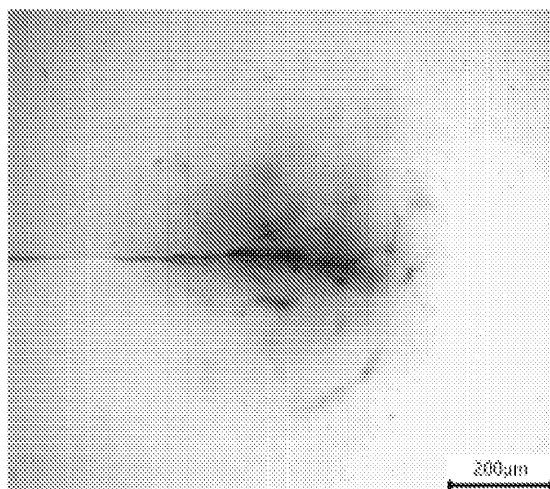


FIG. 11C

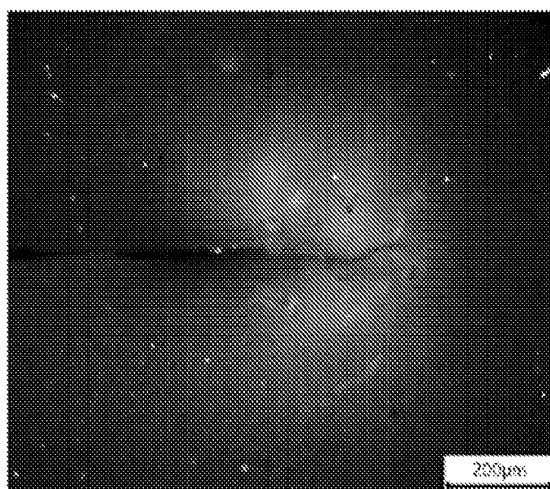
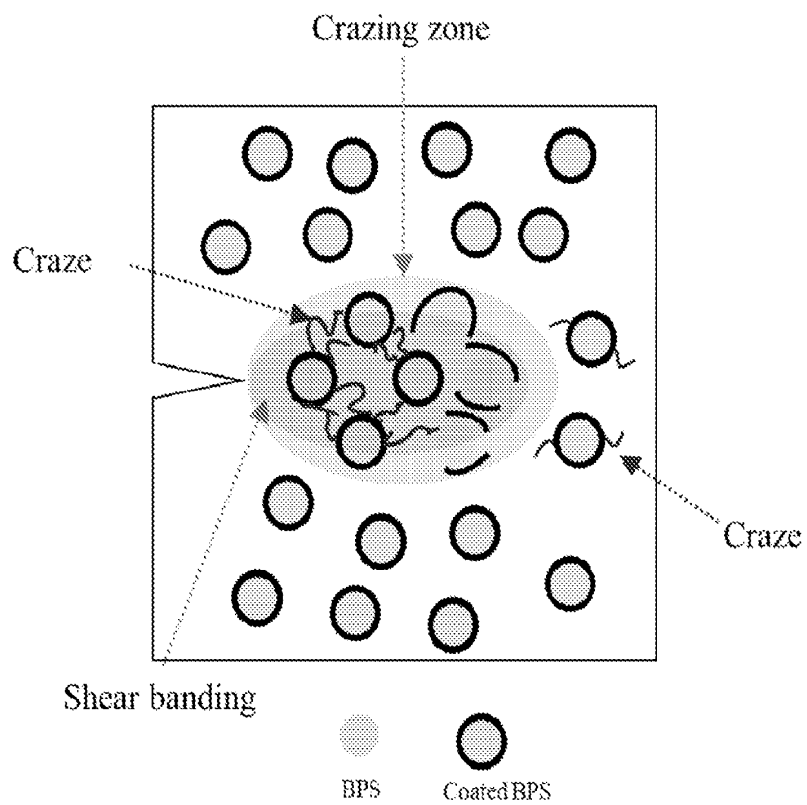


FIG. 11D

**FIG. 12**

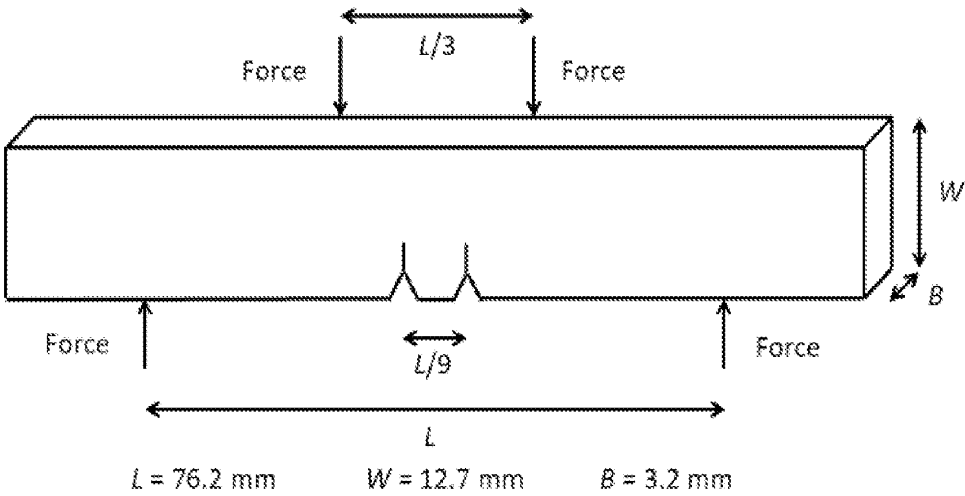


FIG. 13A

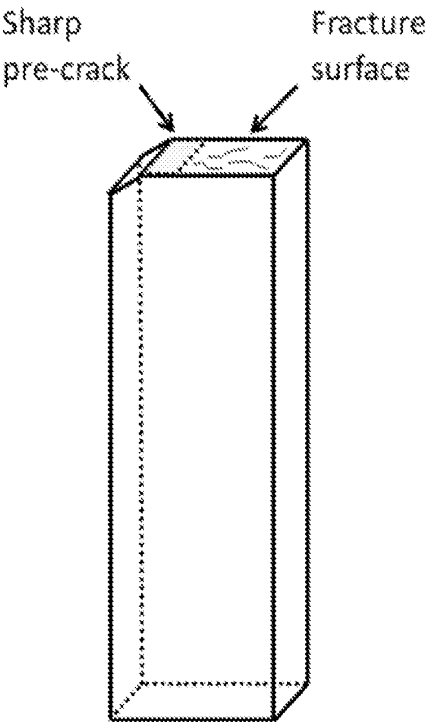


FIG. 13B

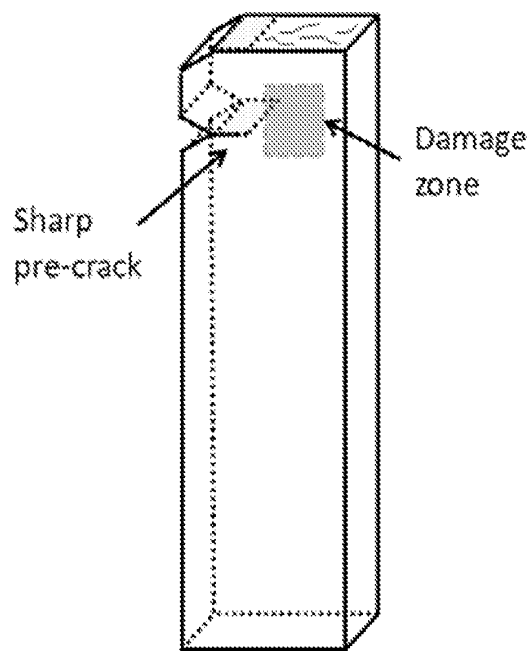


FIG. 13C

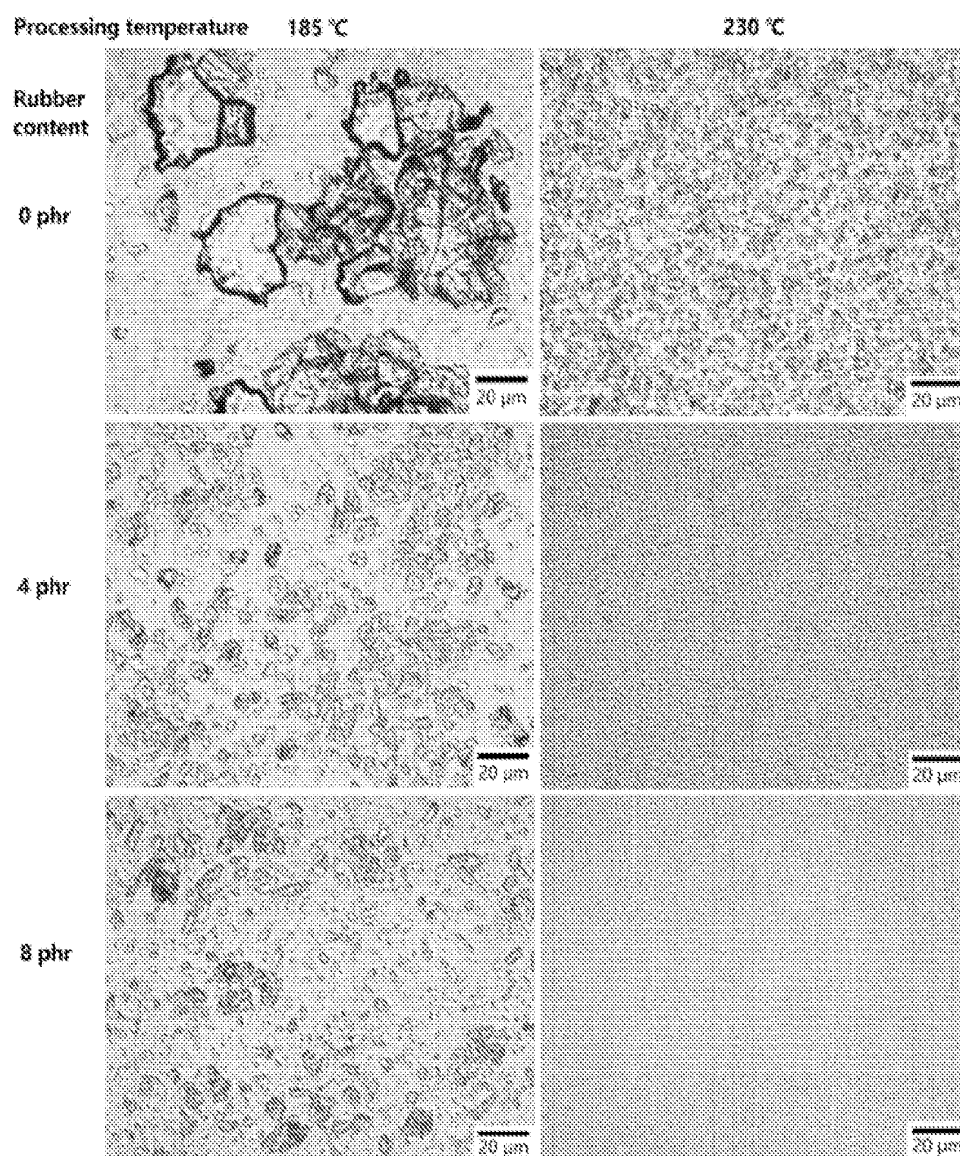
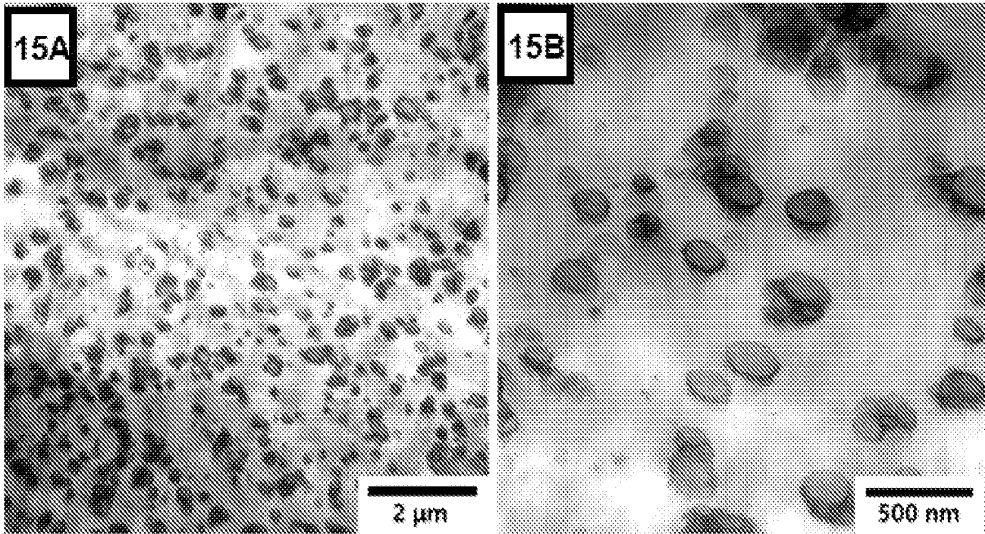


FIG. 14



FIGs. 15A-15B

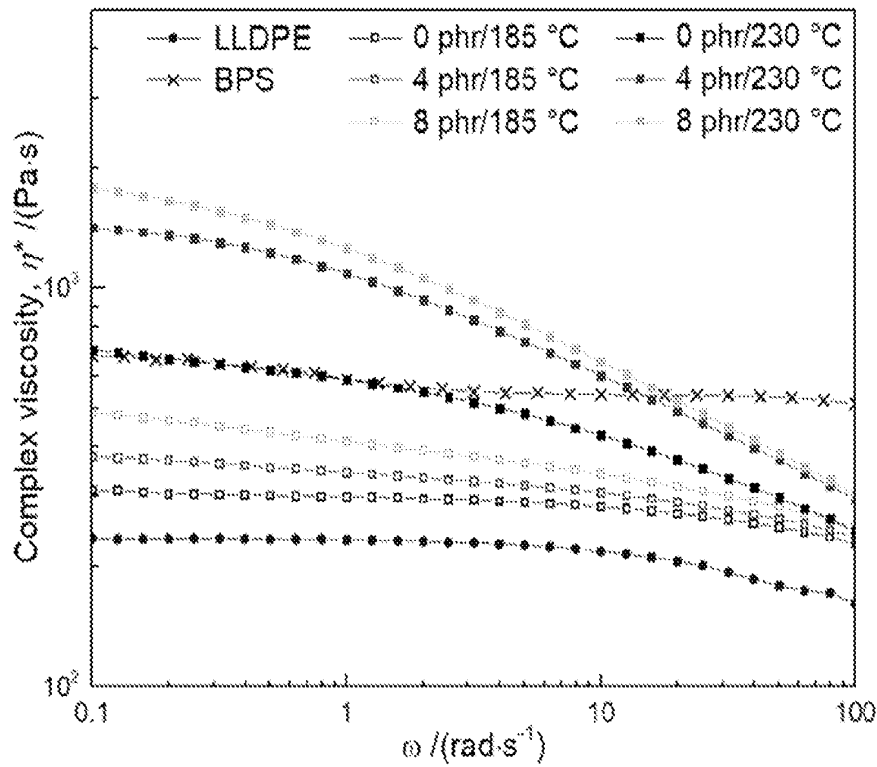


FIG. 16

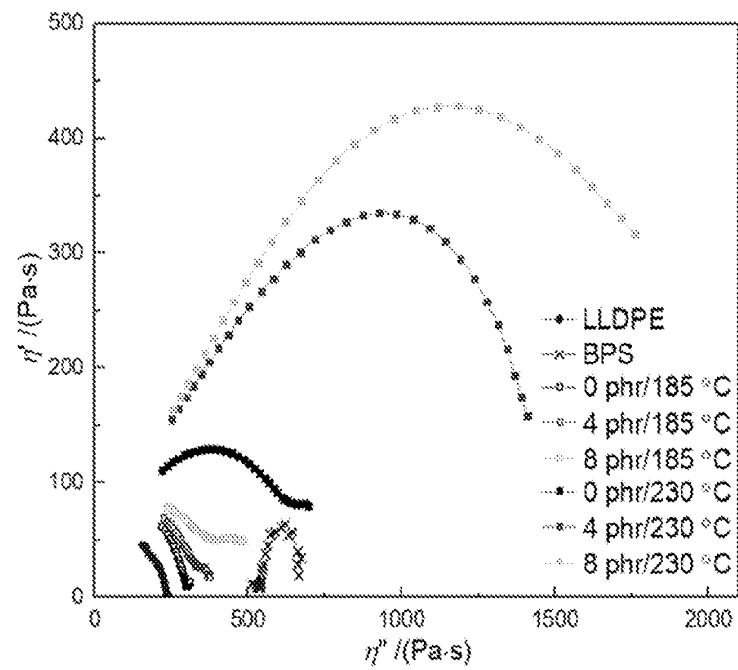


FIG. 17

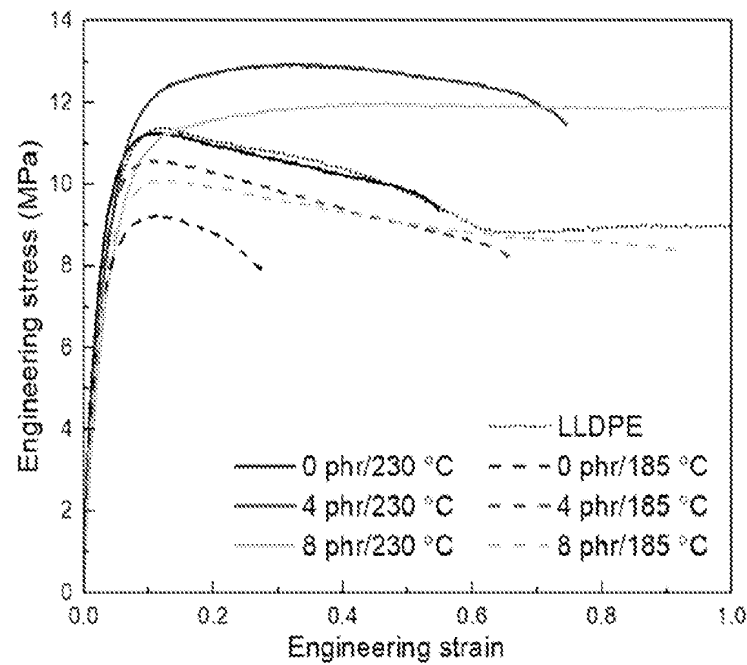
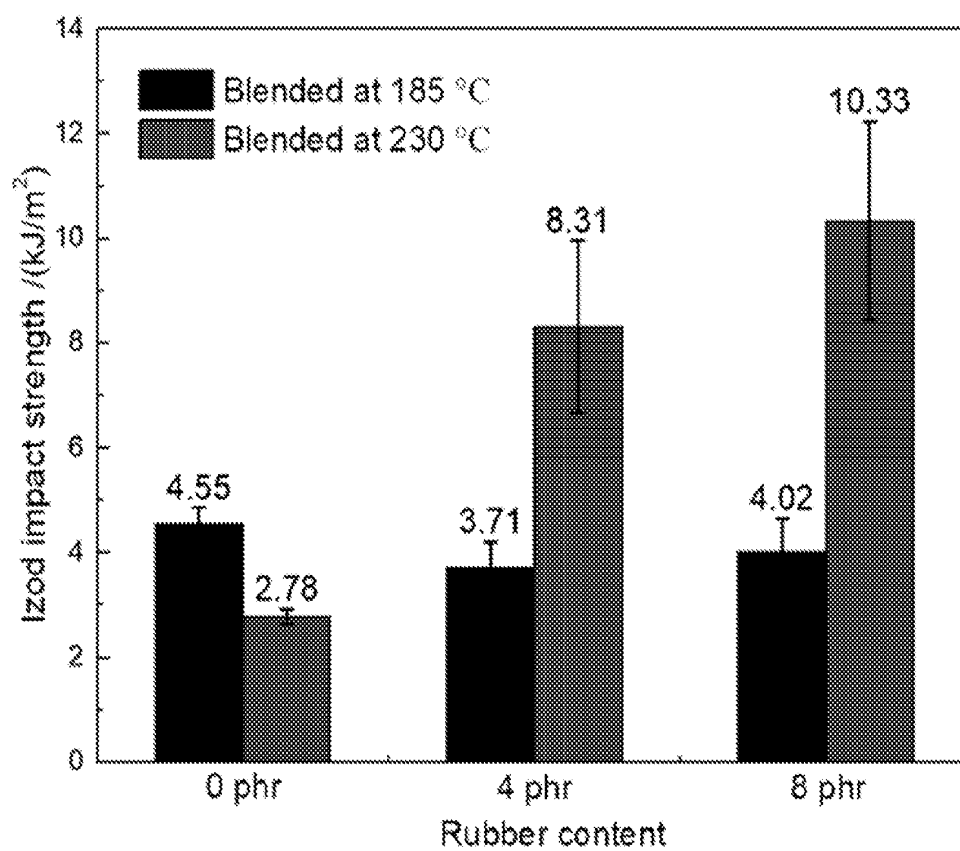
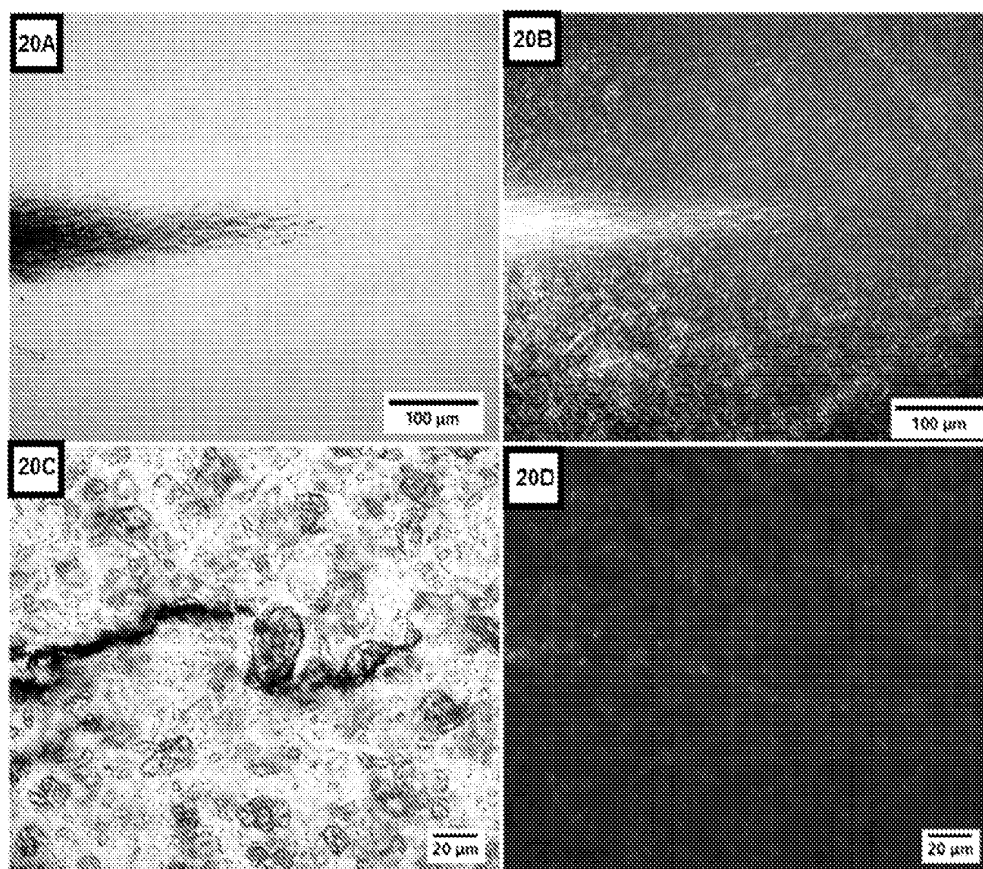
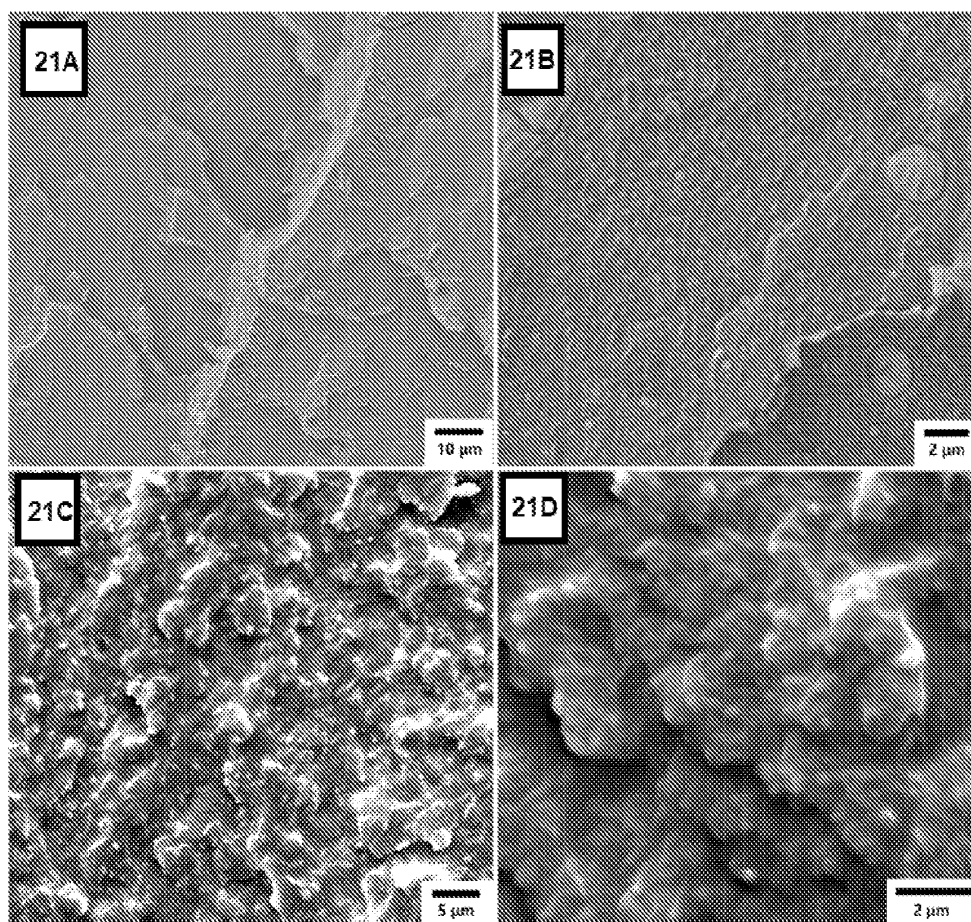
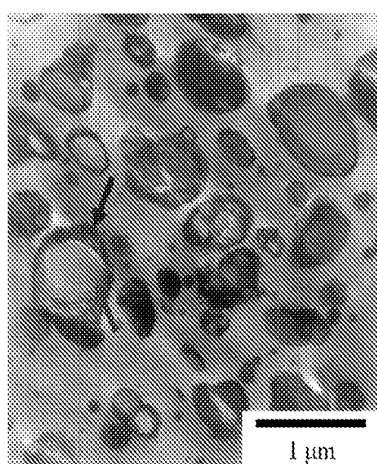


FIG. 18

**FIG. 19**

**FIGs. 20A-20D**

**FIGs. 21A-21D****FIG. 22A**

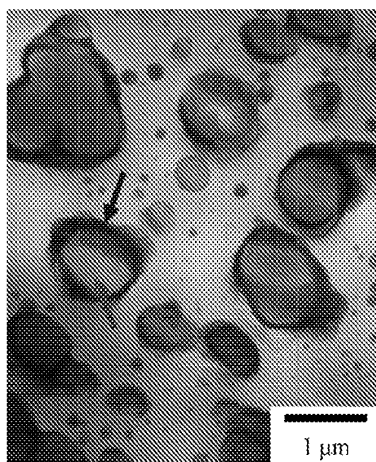


FIG. 22B

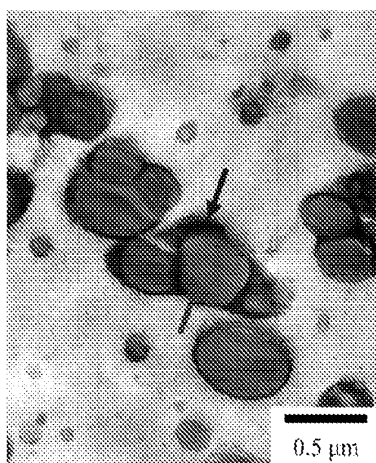


FIG. 22C

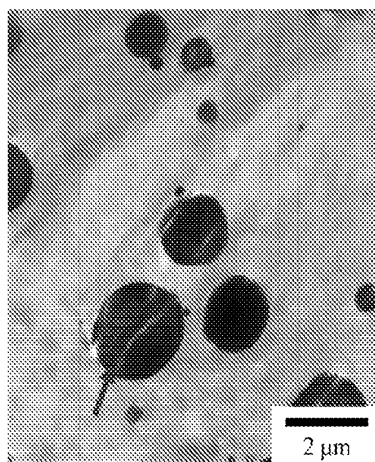


FIG. 22D

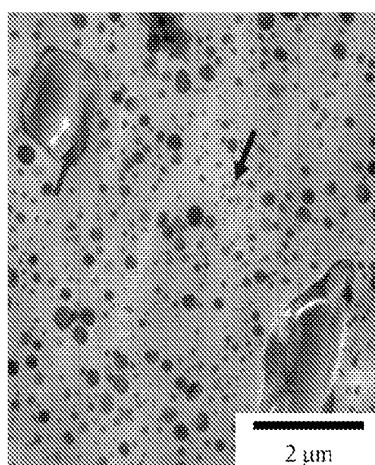


FIG. 22E

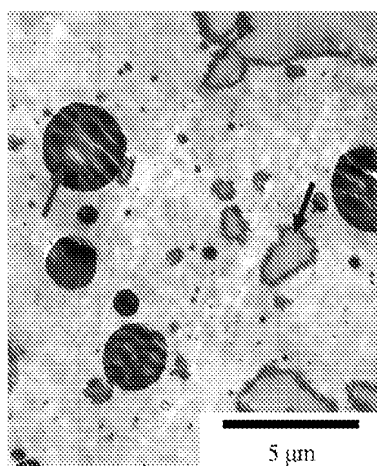


FIG. 22F

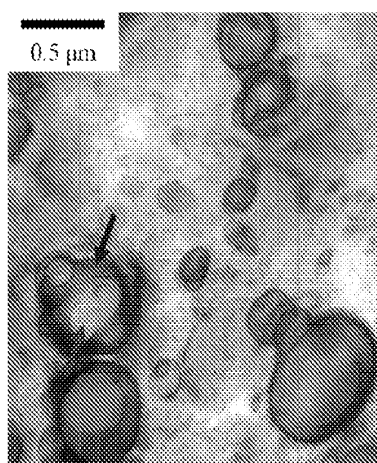


FIG. 22G

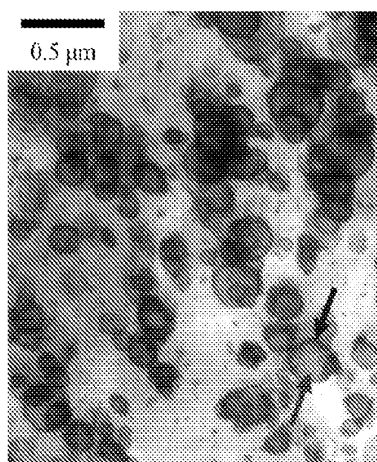


FIG. 22H

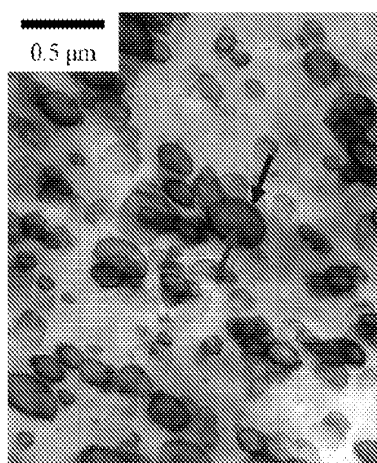


FIG. 22I

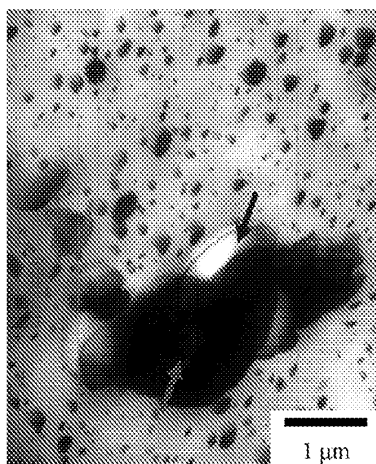


FIG. 22J

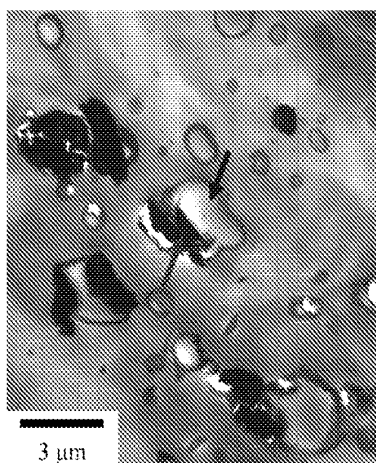


FIG. 22K

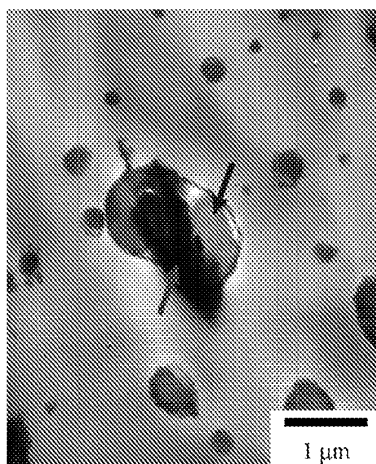


FIG. 22L

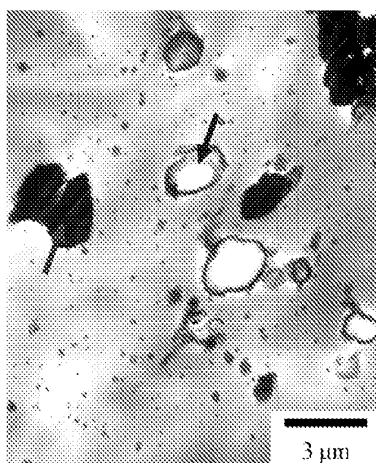


FIG. 22M

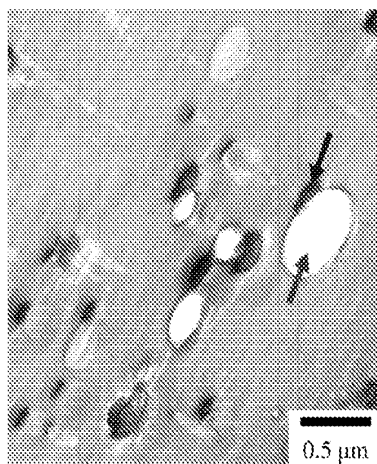


FIG. 22N

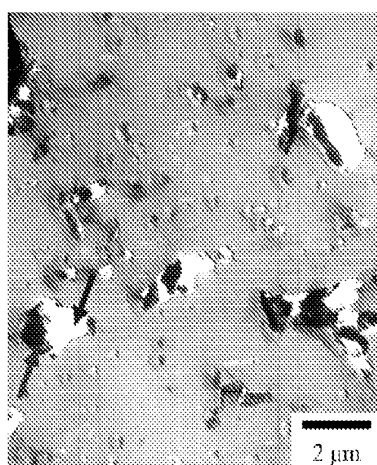


FIG. 22O

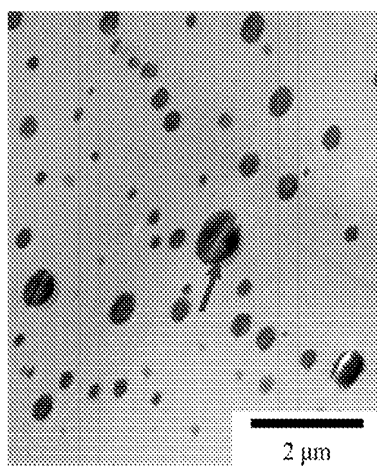


FIG. 22P

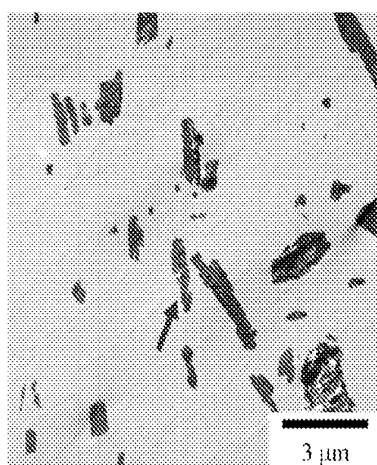


FIG. 22Q

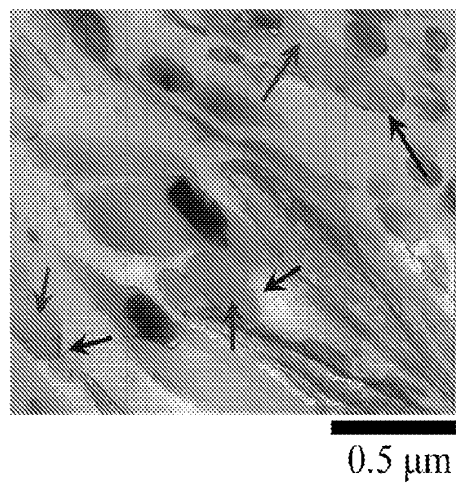


FIG. 22R

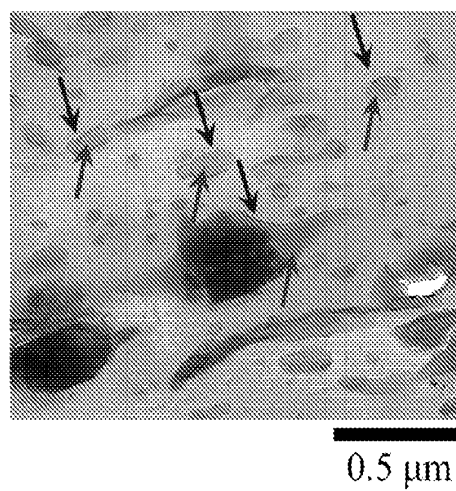


FIG. 22S

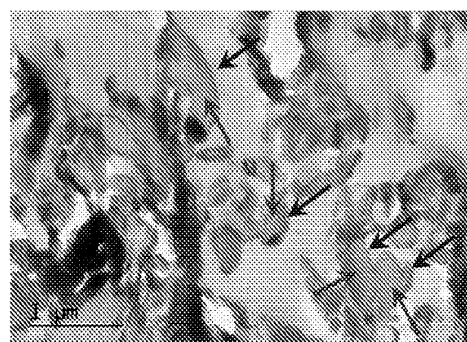


FIG. 22T

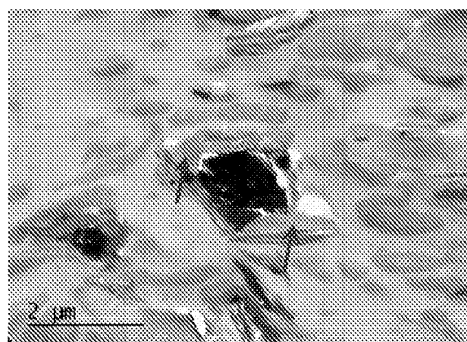


FIG. 22U

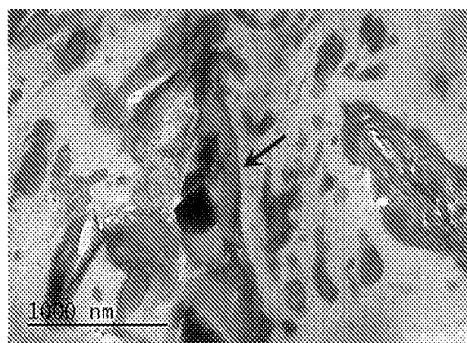


FIG. 22V

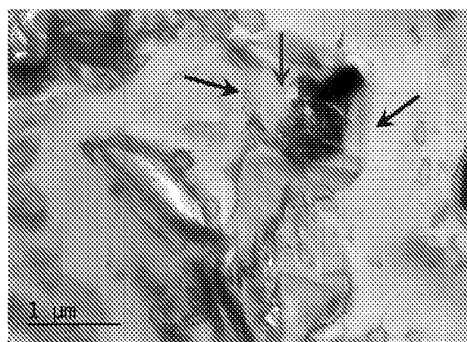


FIG. 22W

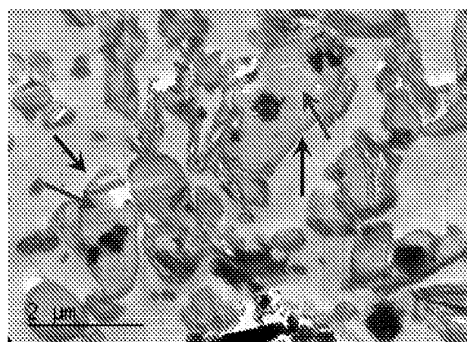


FIG. 22X

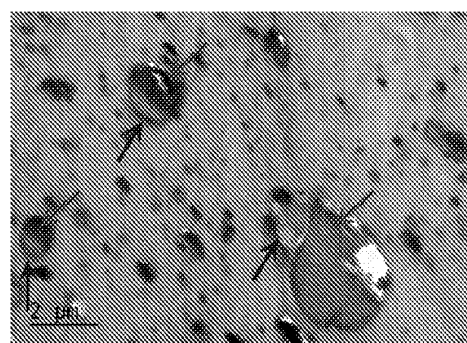


FIG. 22Y

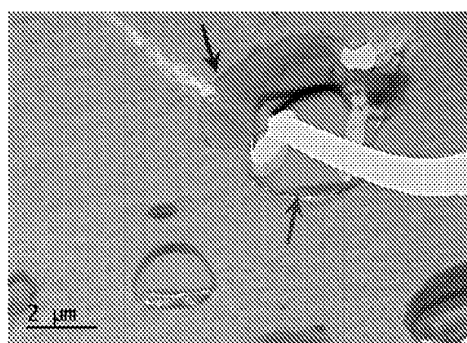


FIG. 22Z