

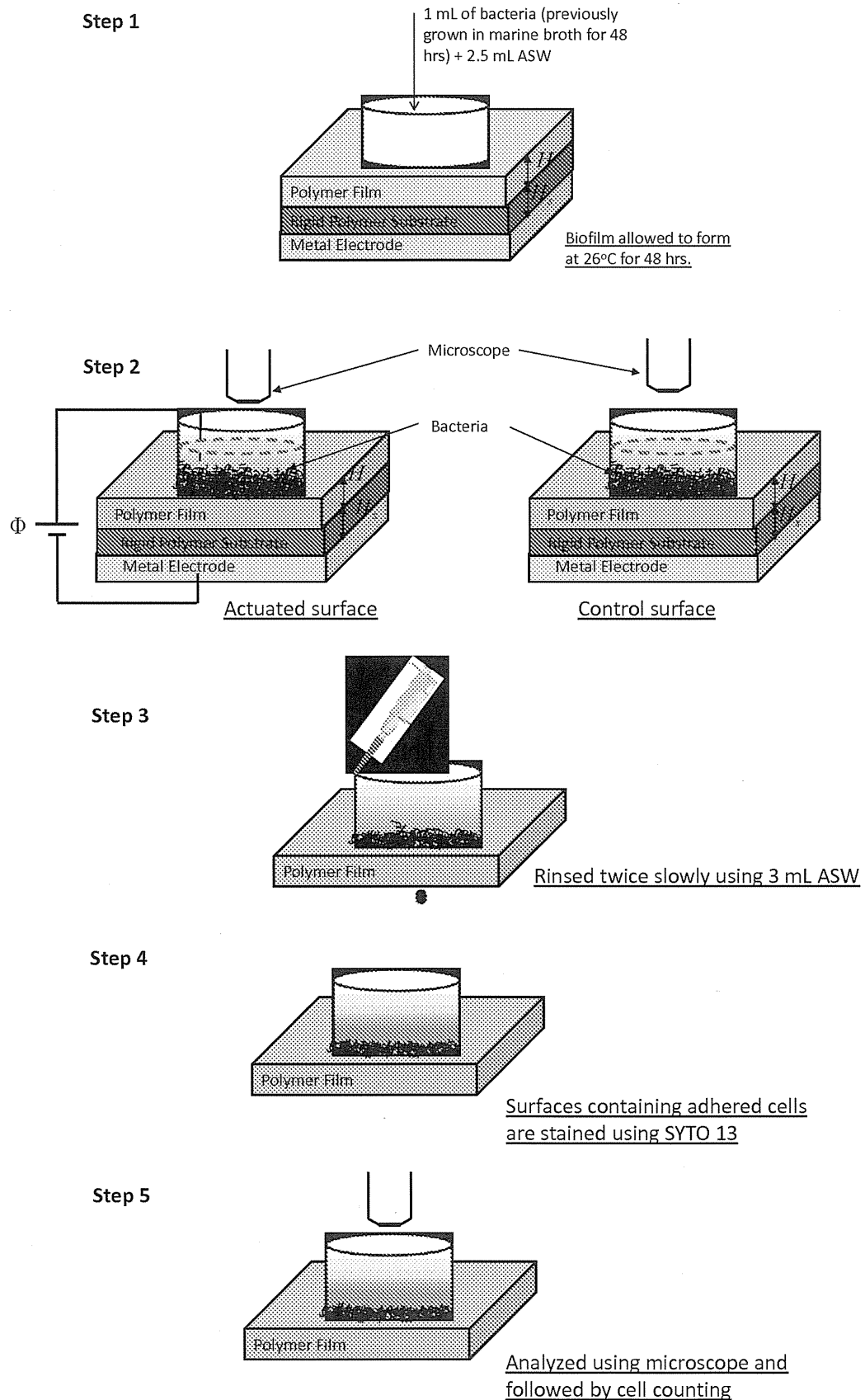


FIG. 1

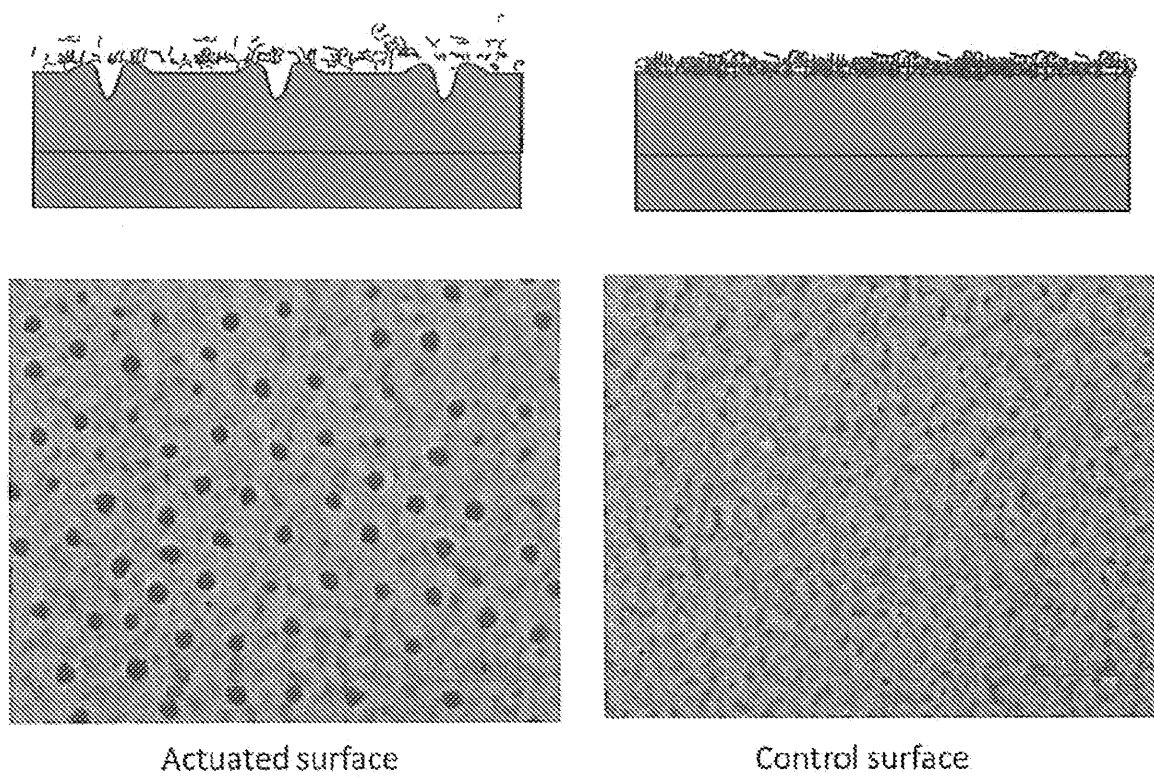


FIG. 2

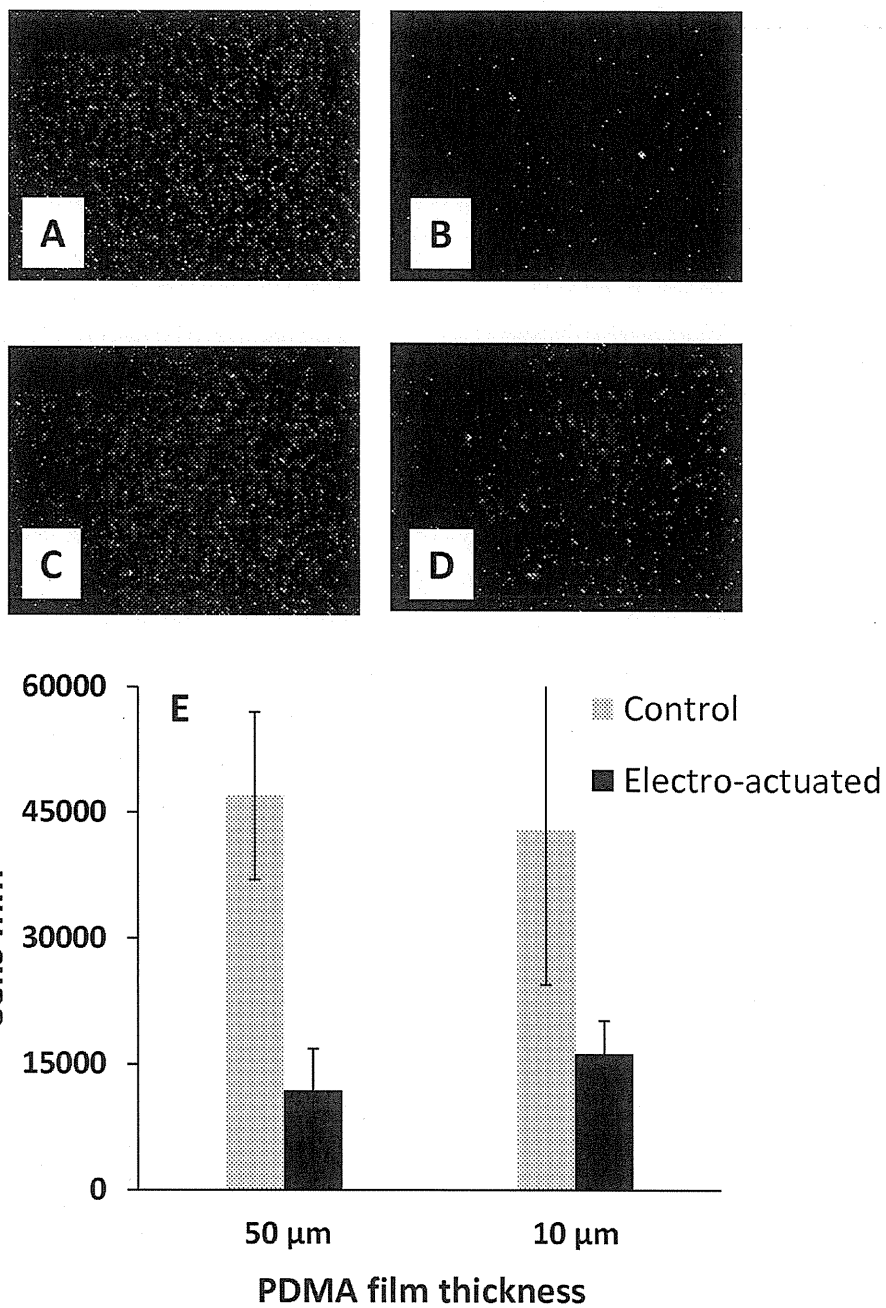


FIG. 3

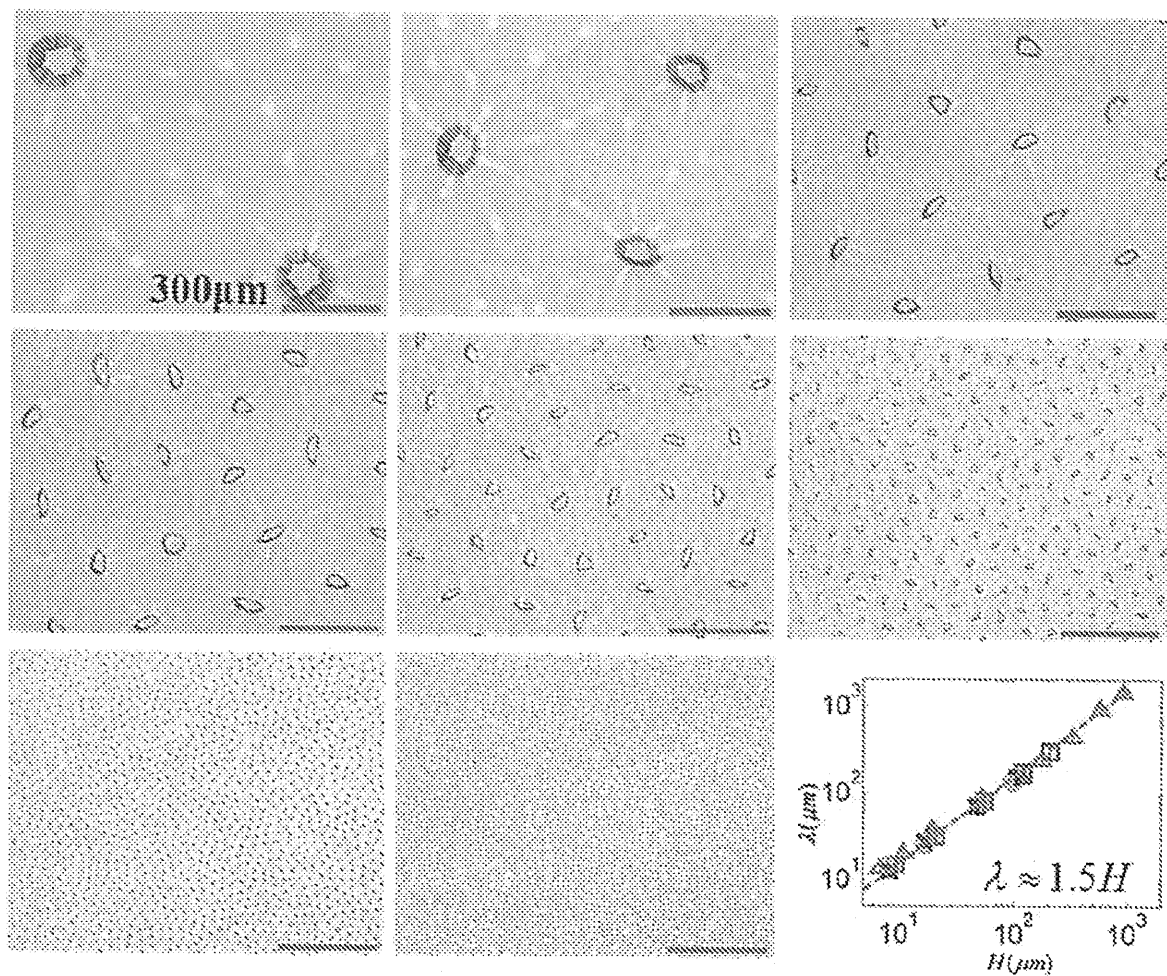


FIG. 4

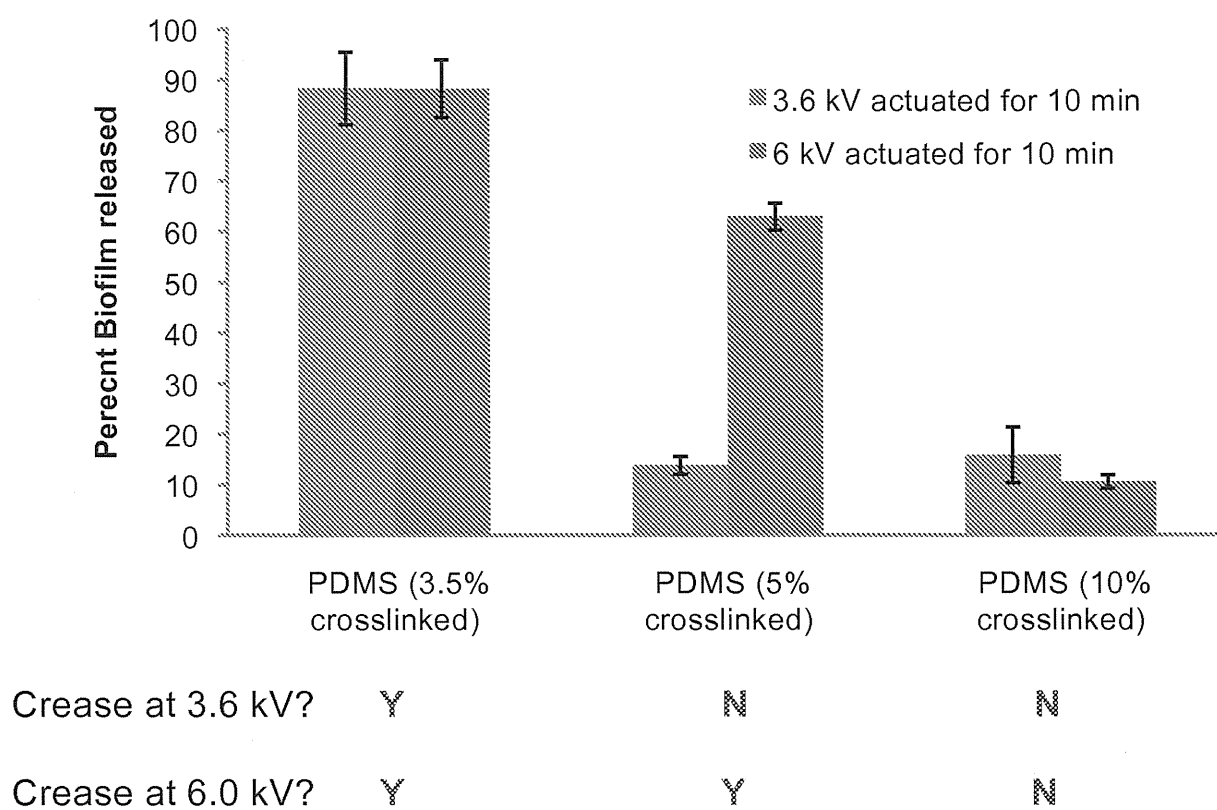


FIG. 5

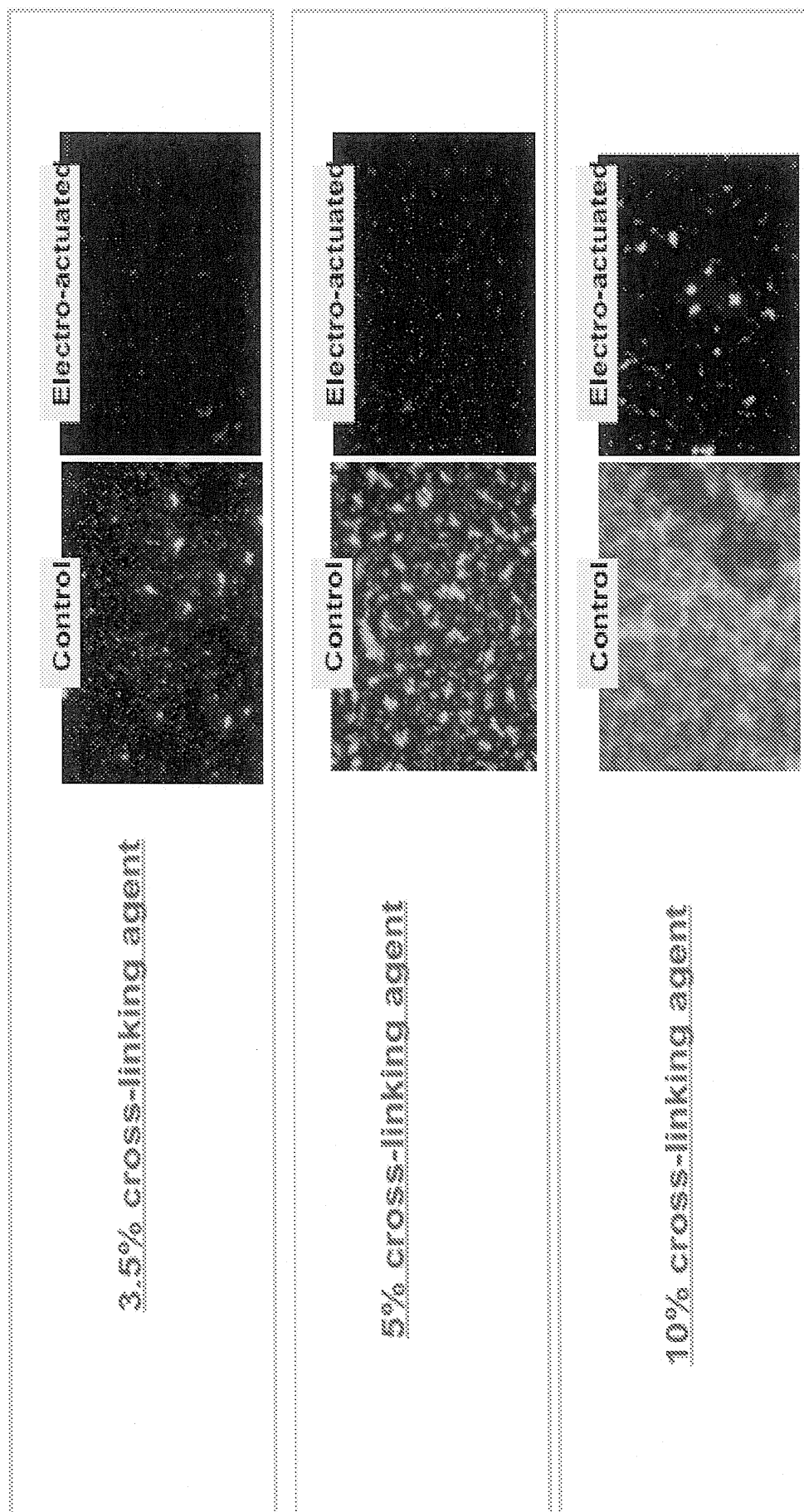


FIG. 6

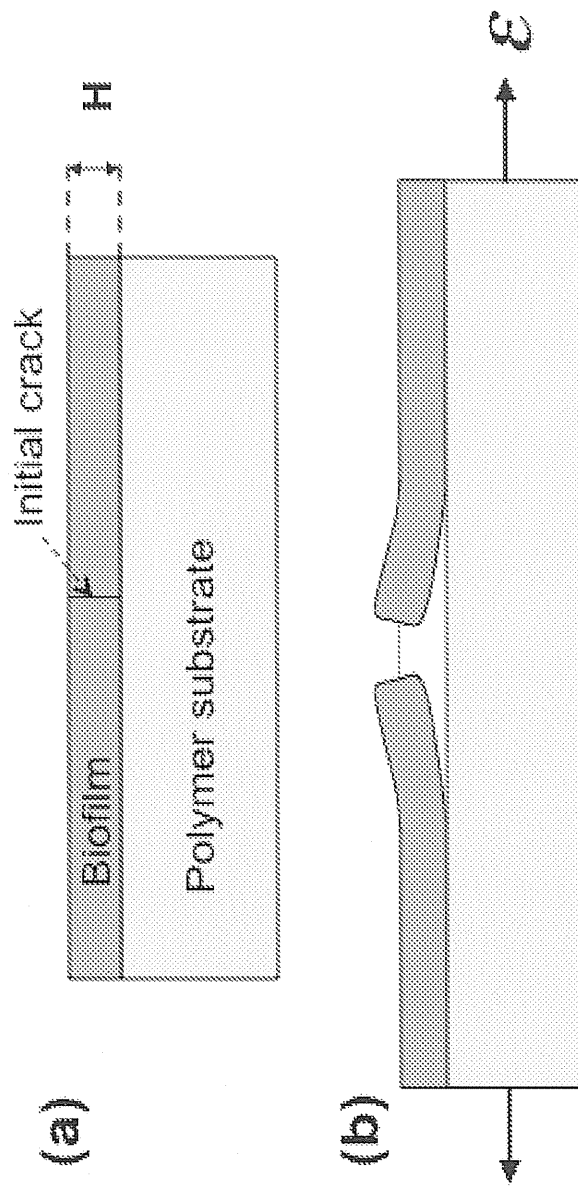


FIG. 7

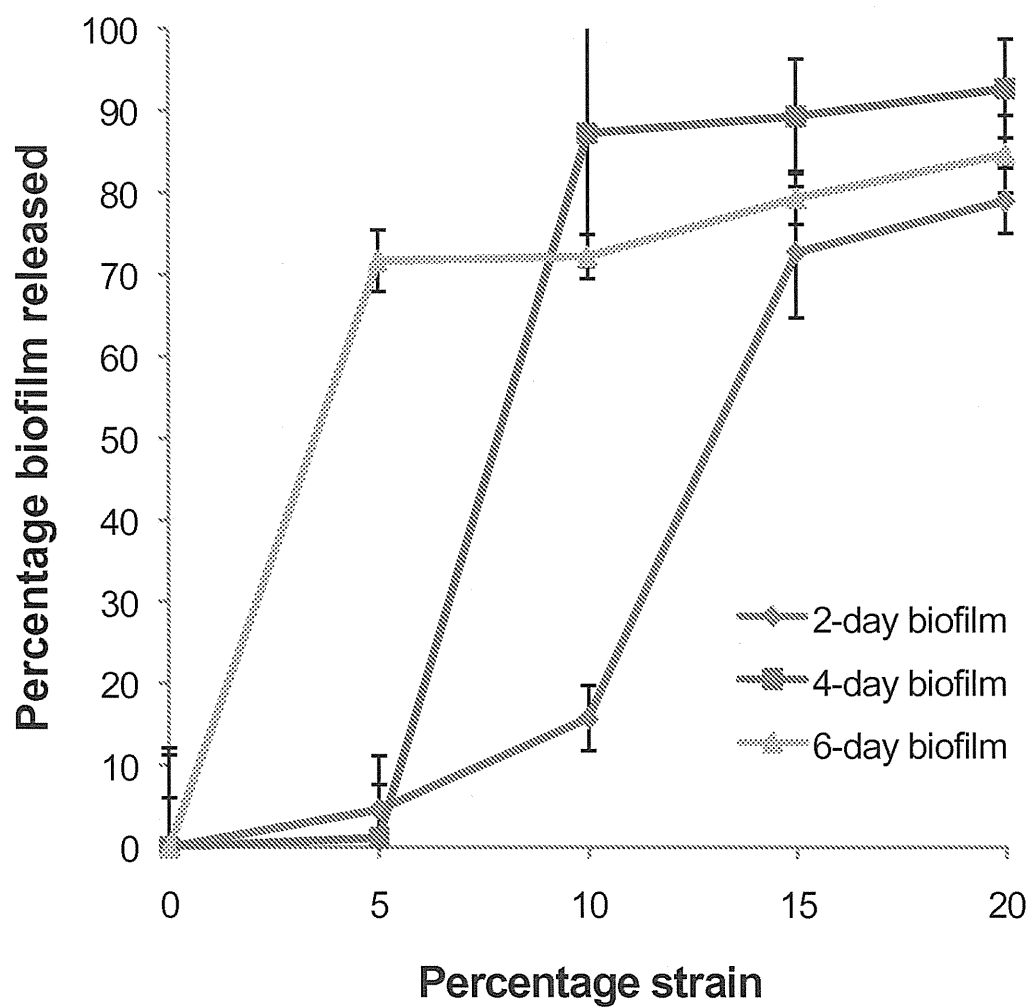


FIG. 8

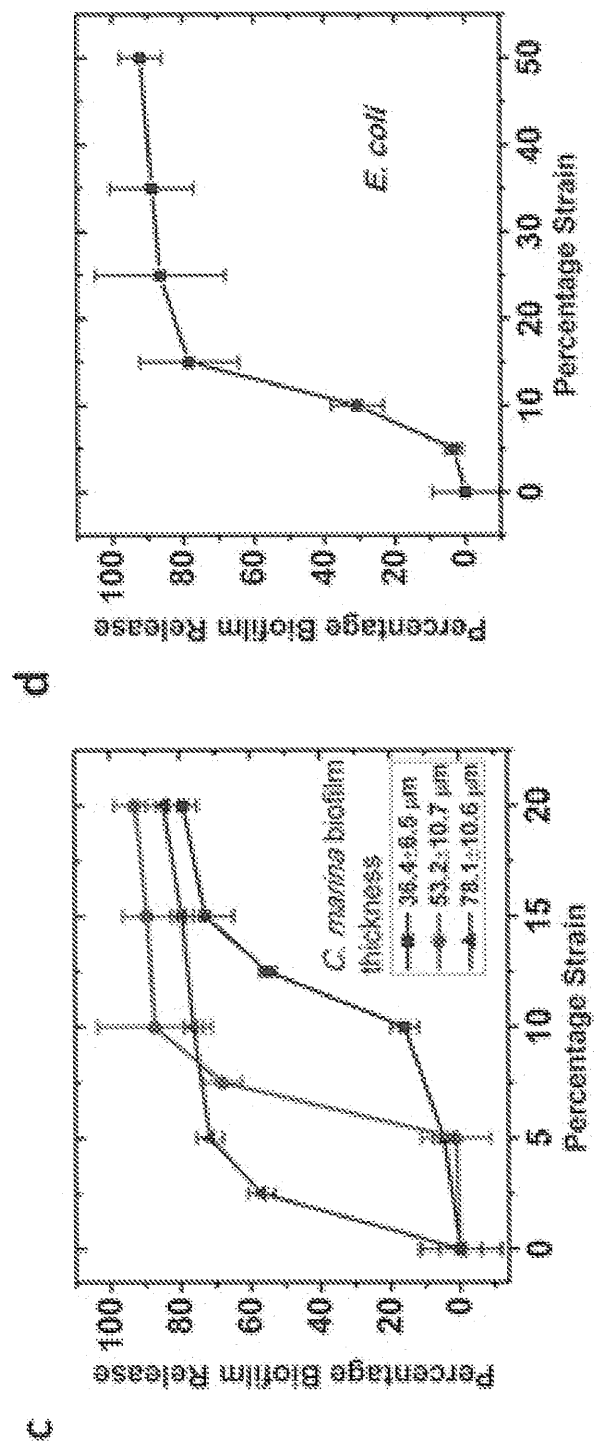
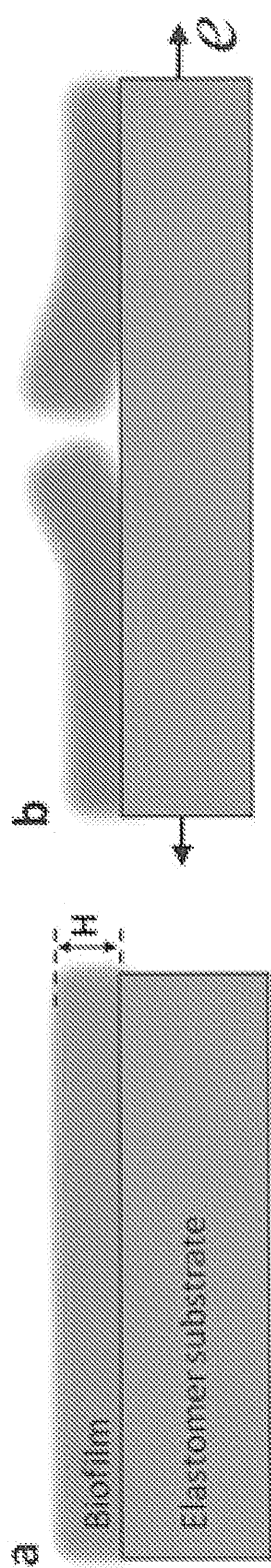


FIG. 9

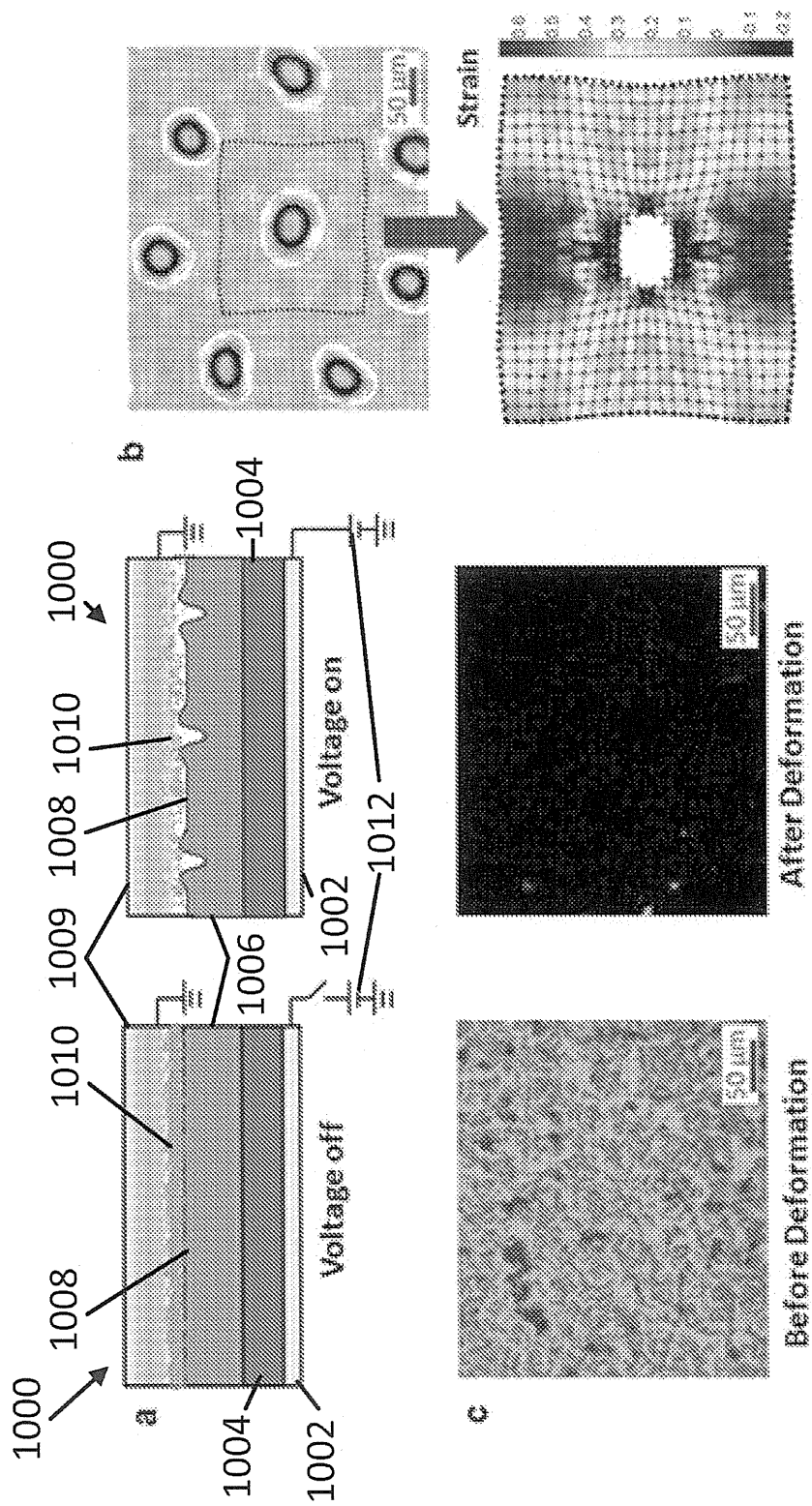


FIG. 10

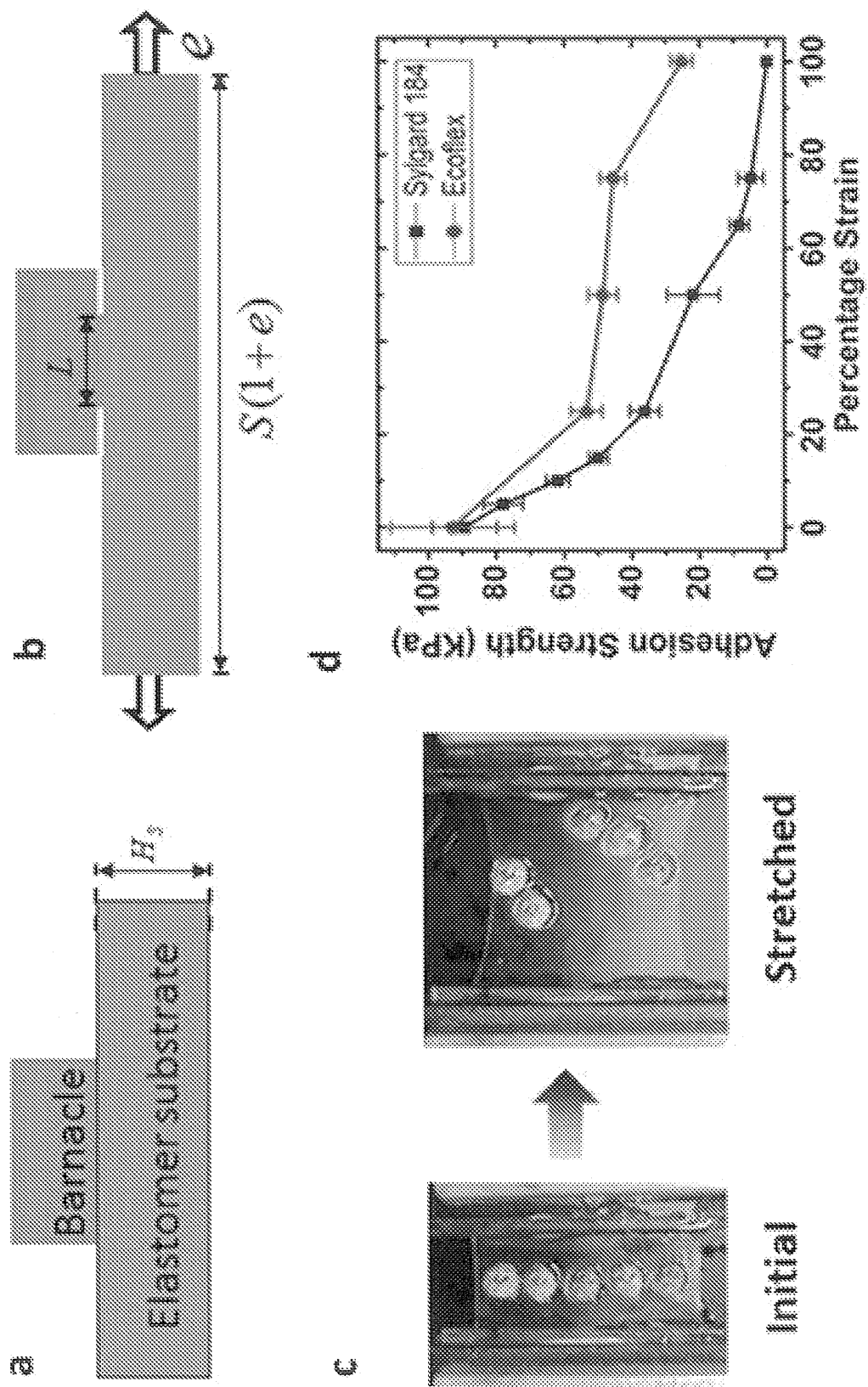


FIG. 11

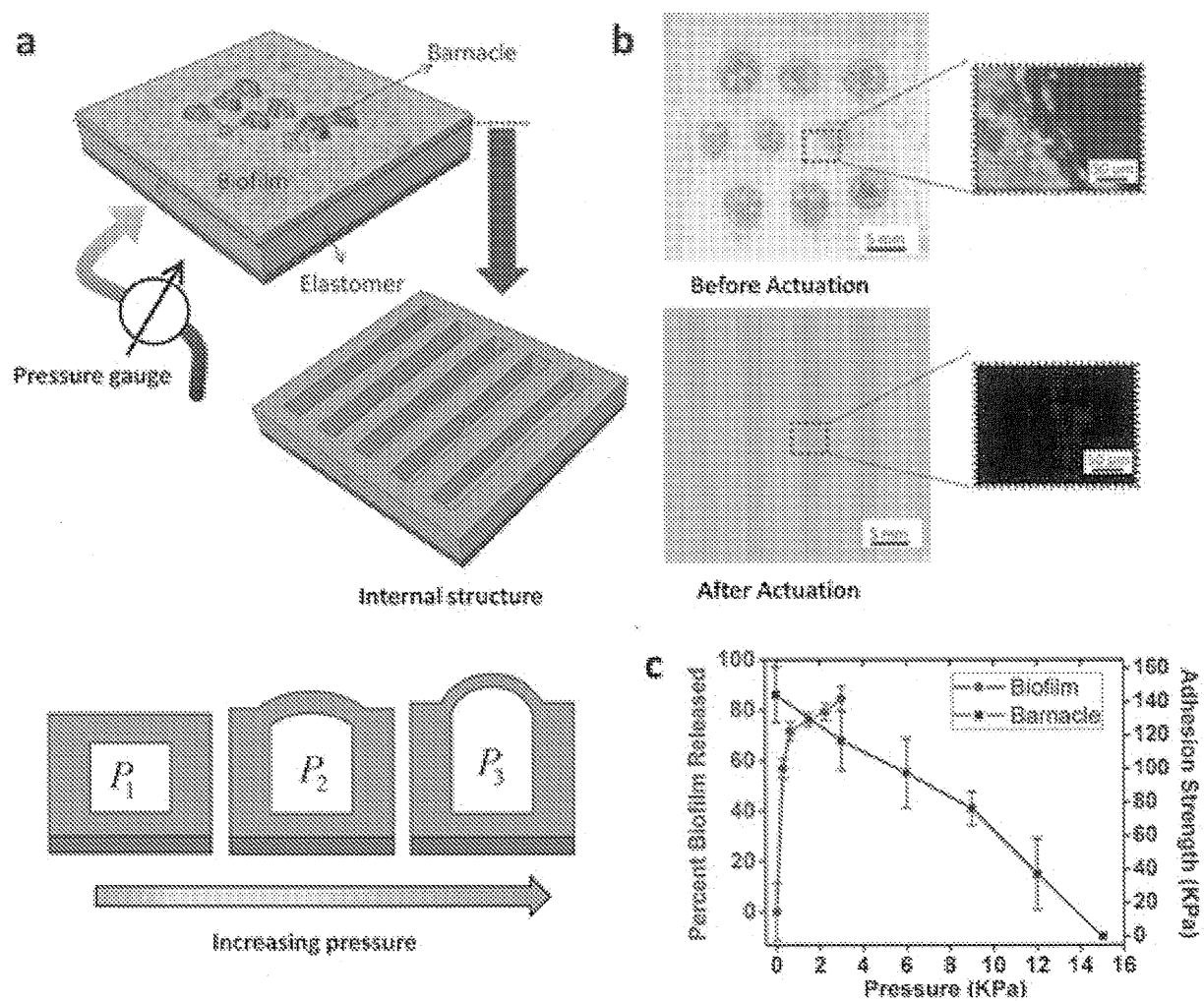


FIG. 12

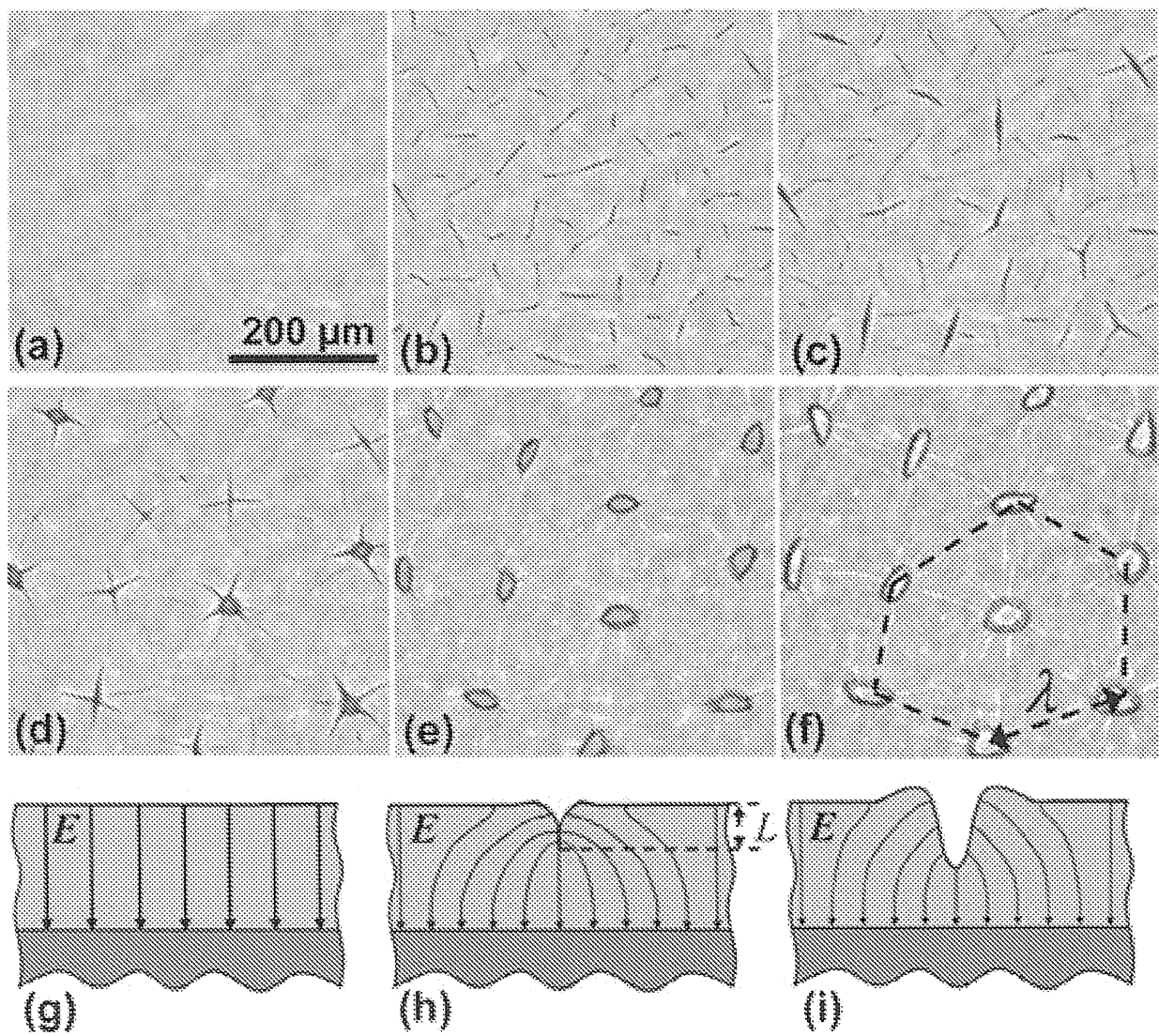
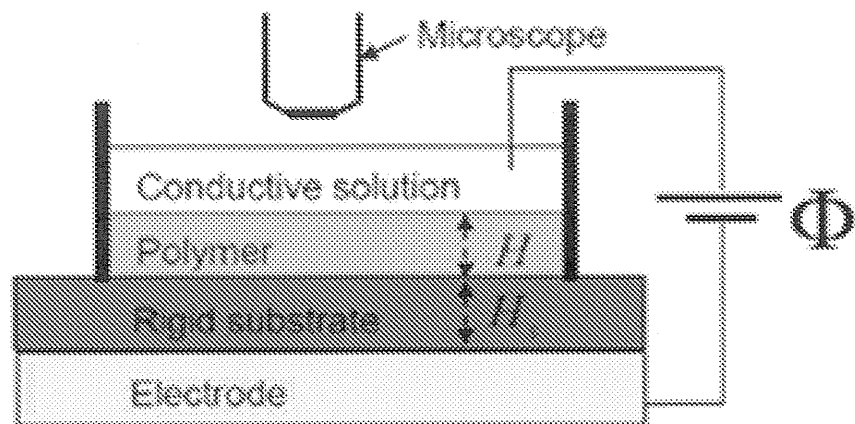


FIG. 13

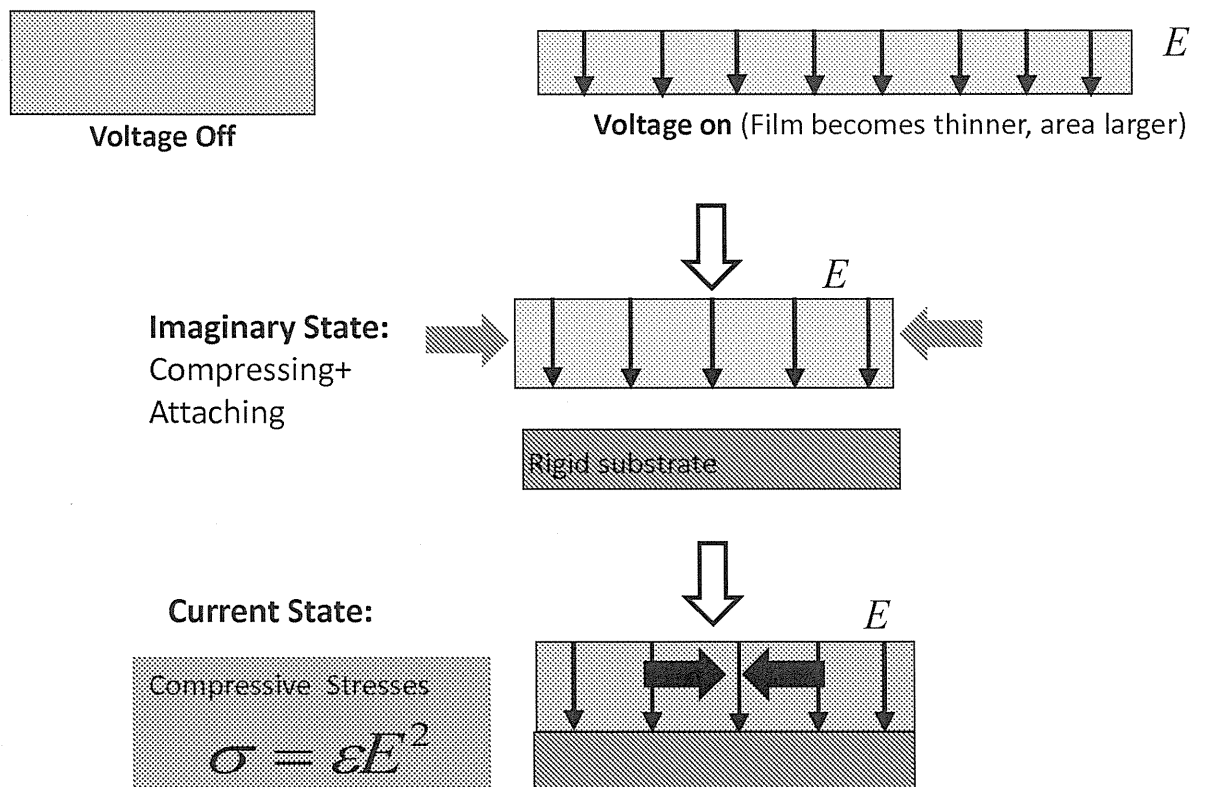
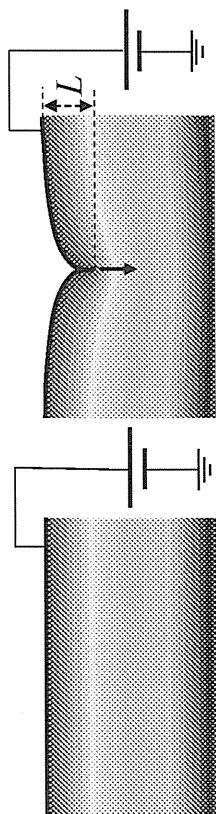
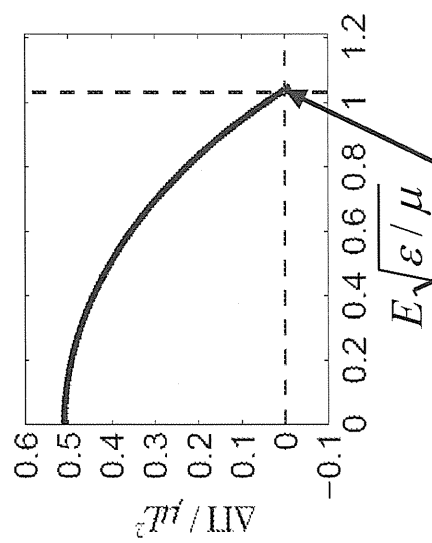


FIG. 14



$$\Pi = \underbrace{\int_A W(\mathbf{F}) dA}_{\text{Elastic energy}} + \underbrace{\int_A \frac{1}{2} \varepsilon |\mathbf{E}|^2 dA - \int_S \Phi \omega dS}_{\text{Electrostatic potential energy}}$$



Critical point

Theory
 $E_c \approx 1.03 \sqrt{\mu / \varepsilon}$

Experiment
 $E_c \approx 0.85 \sqrt{\mu / \varepsilon}$

FIG. 15

Microscope

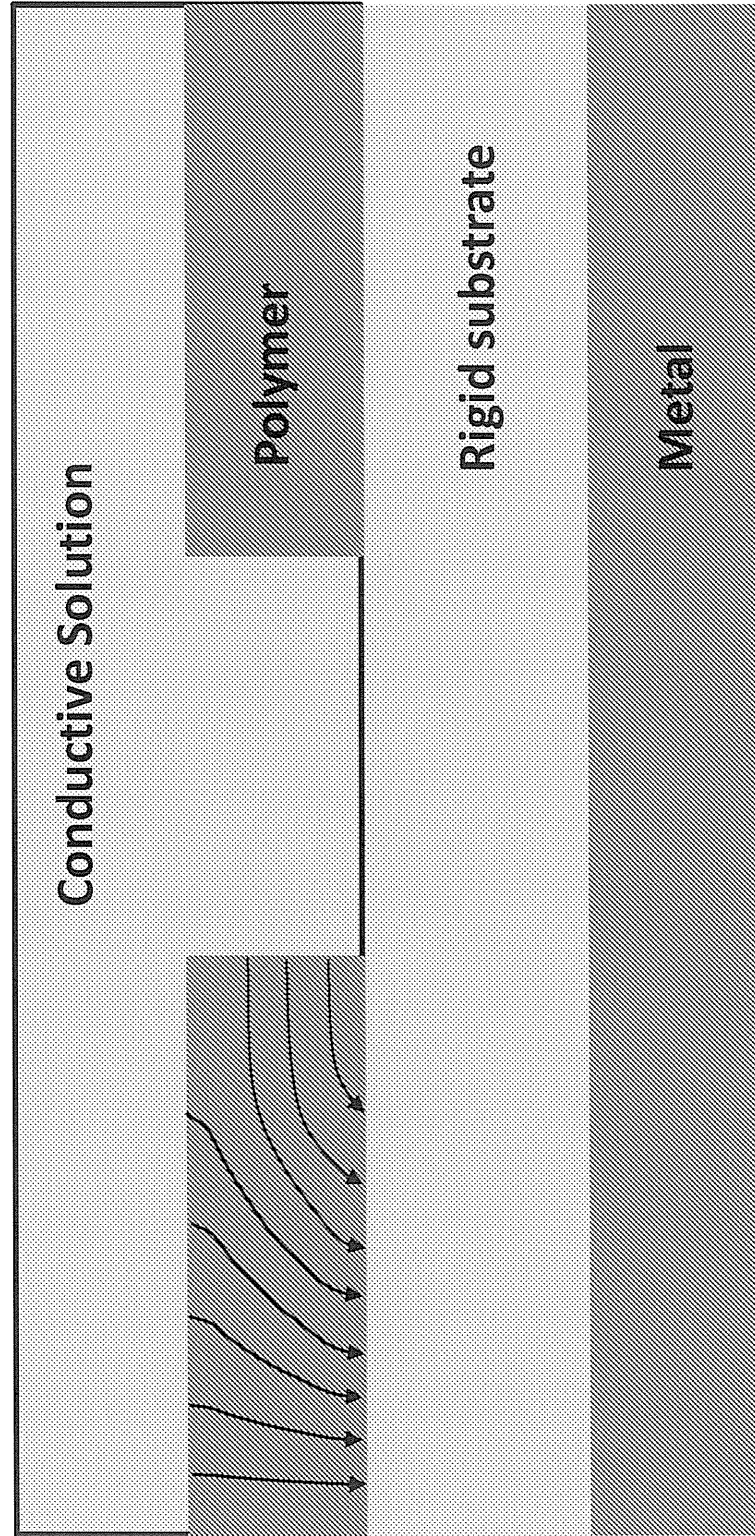
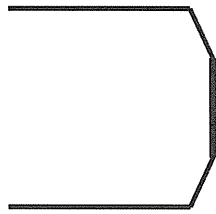


FIG. 16

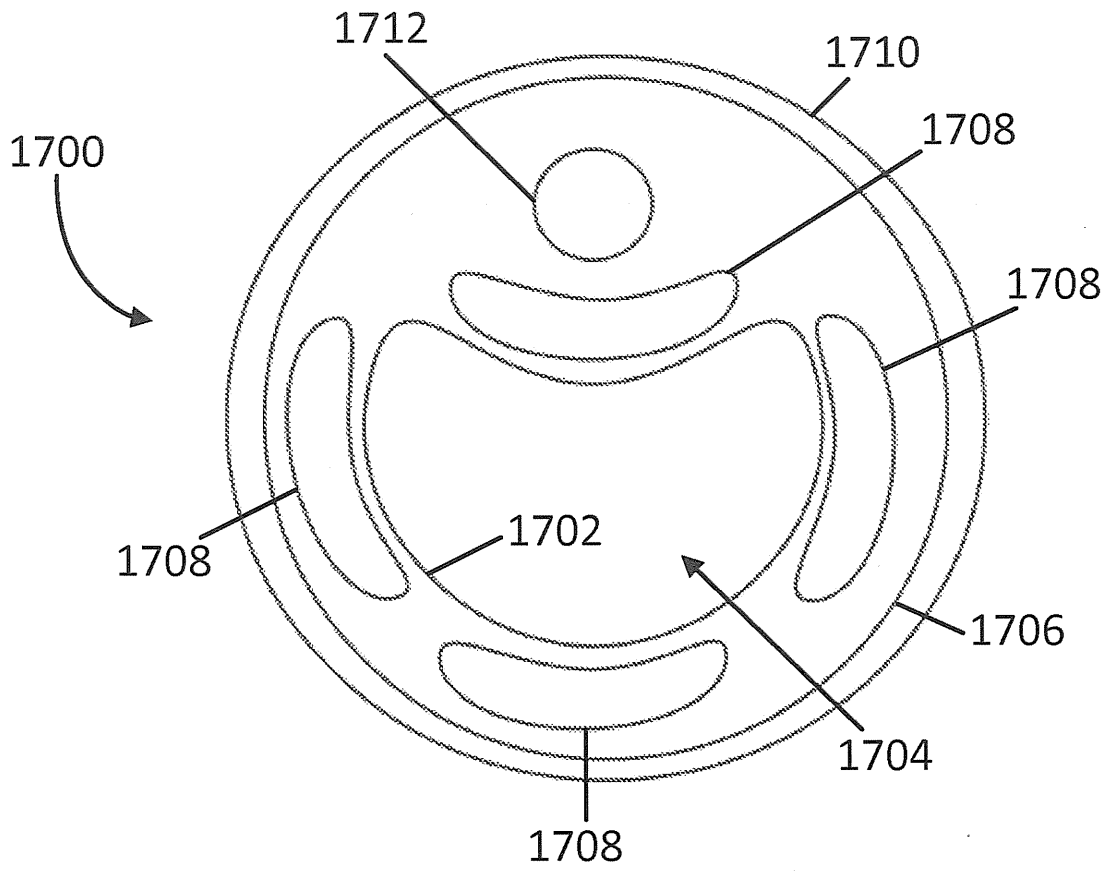


FIG. 17

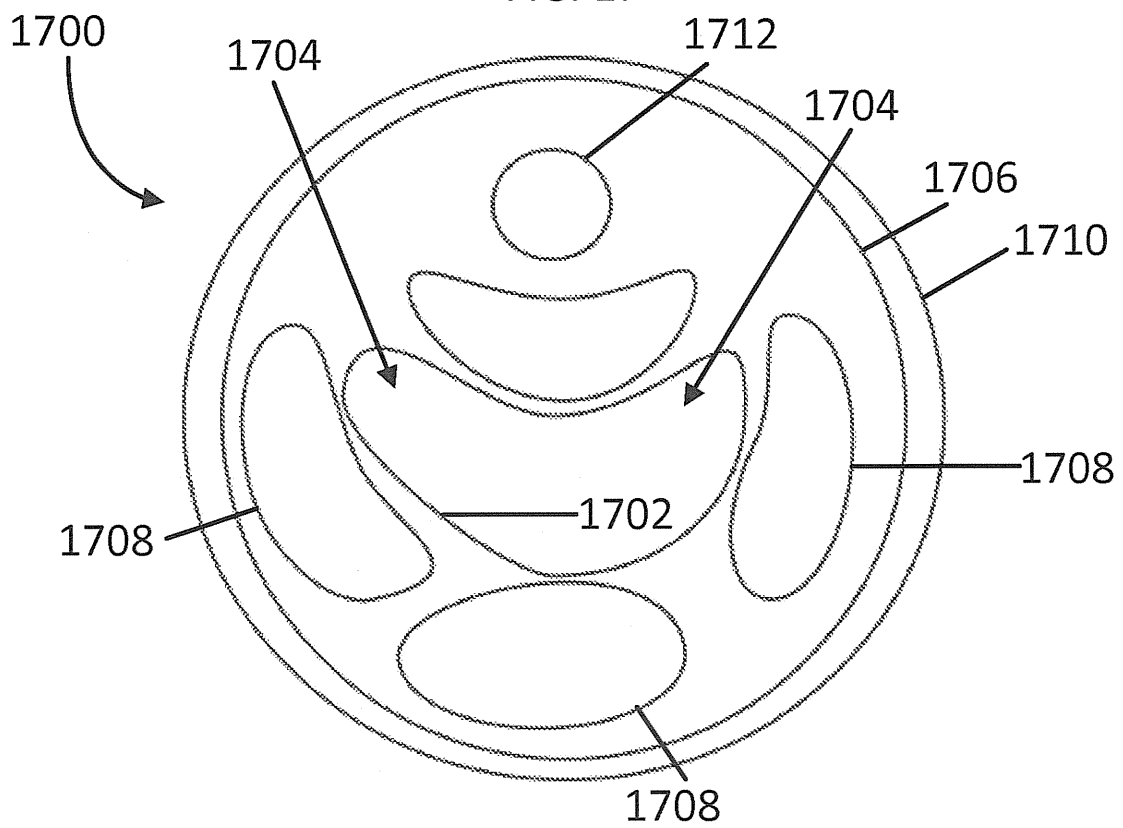


FIG. 18



FIG. 19

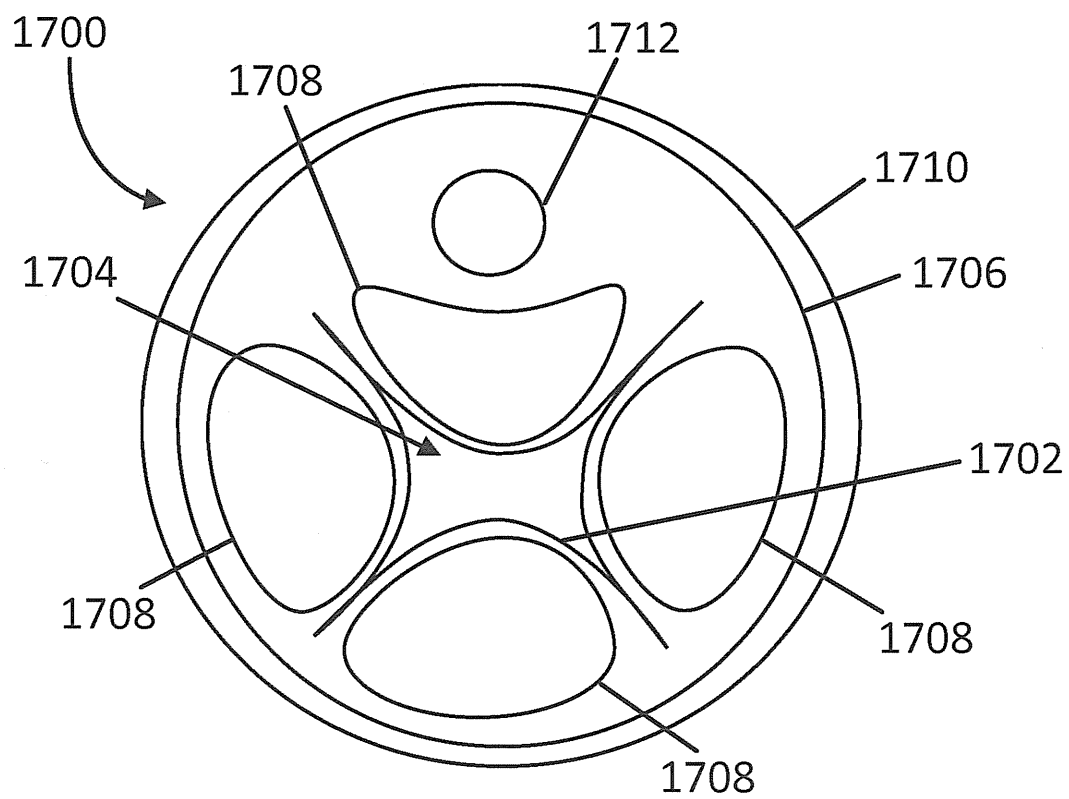


FIG. 20

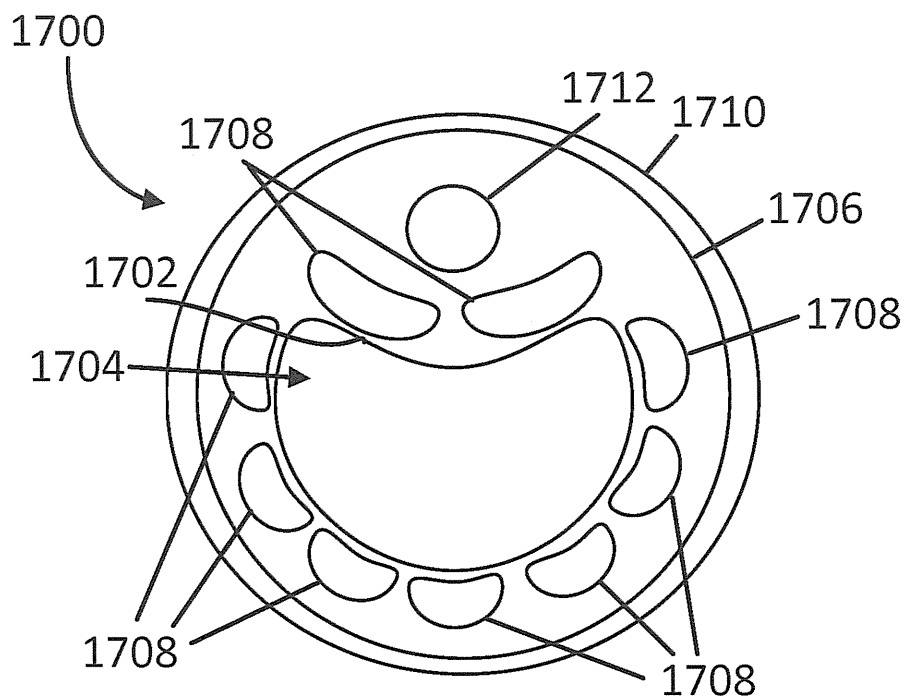


FIG. 21

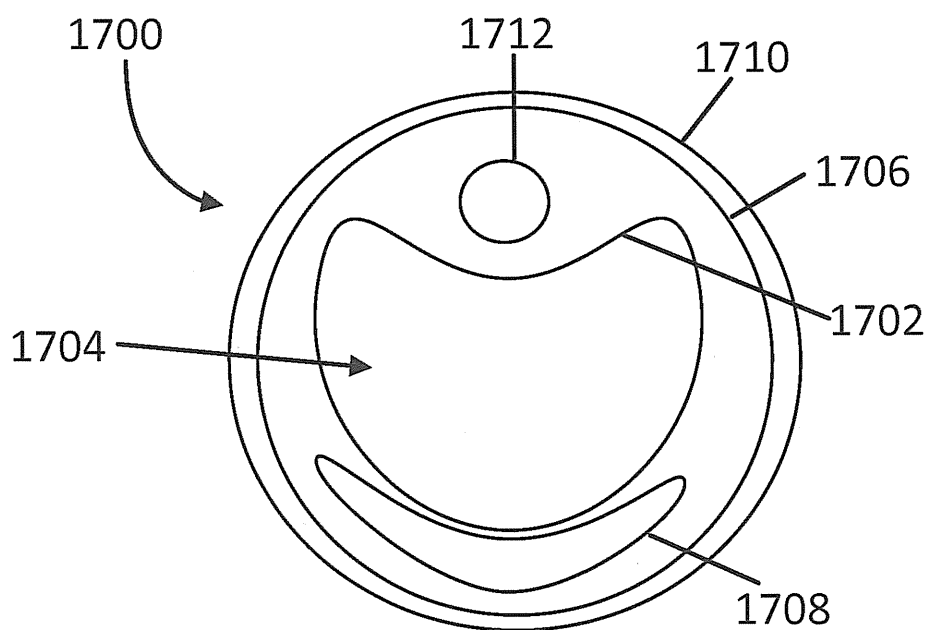


FIG. 22

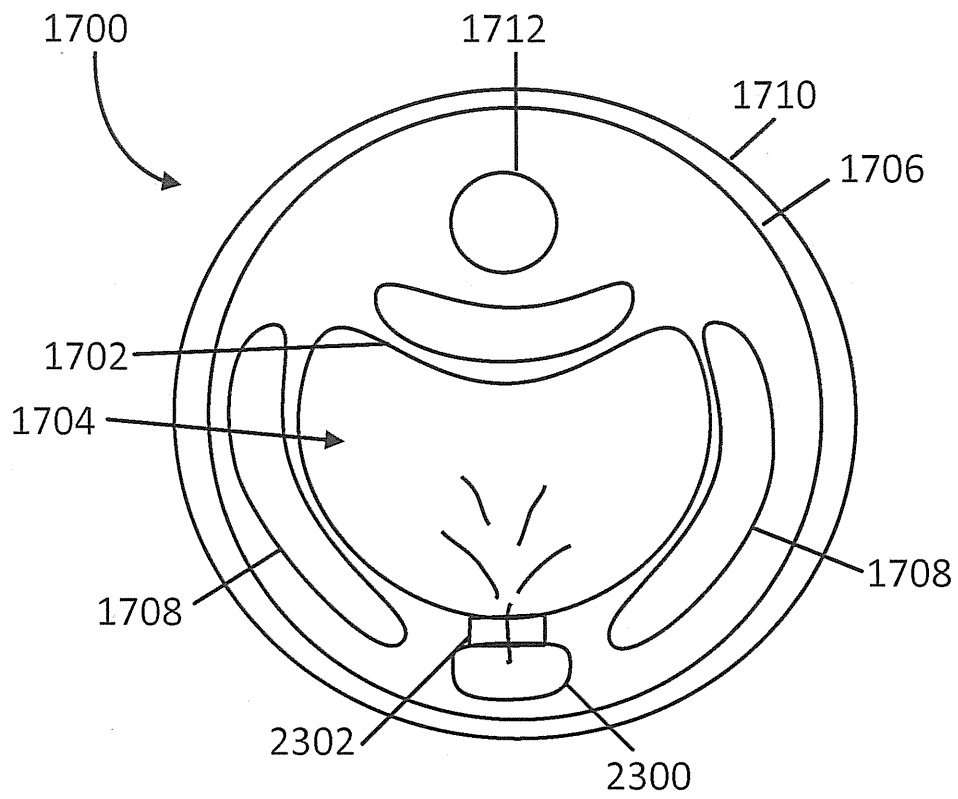


FIG. 23

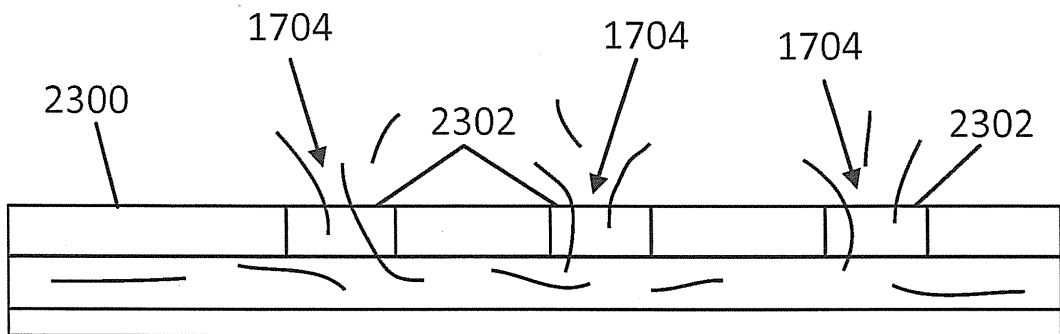


FIG. 24

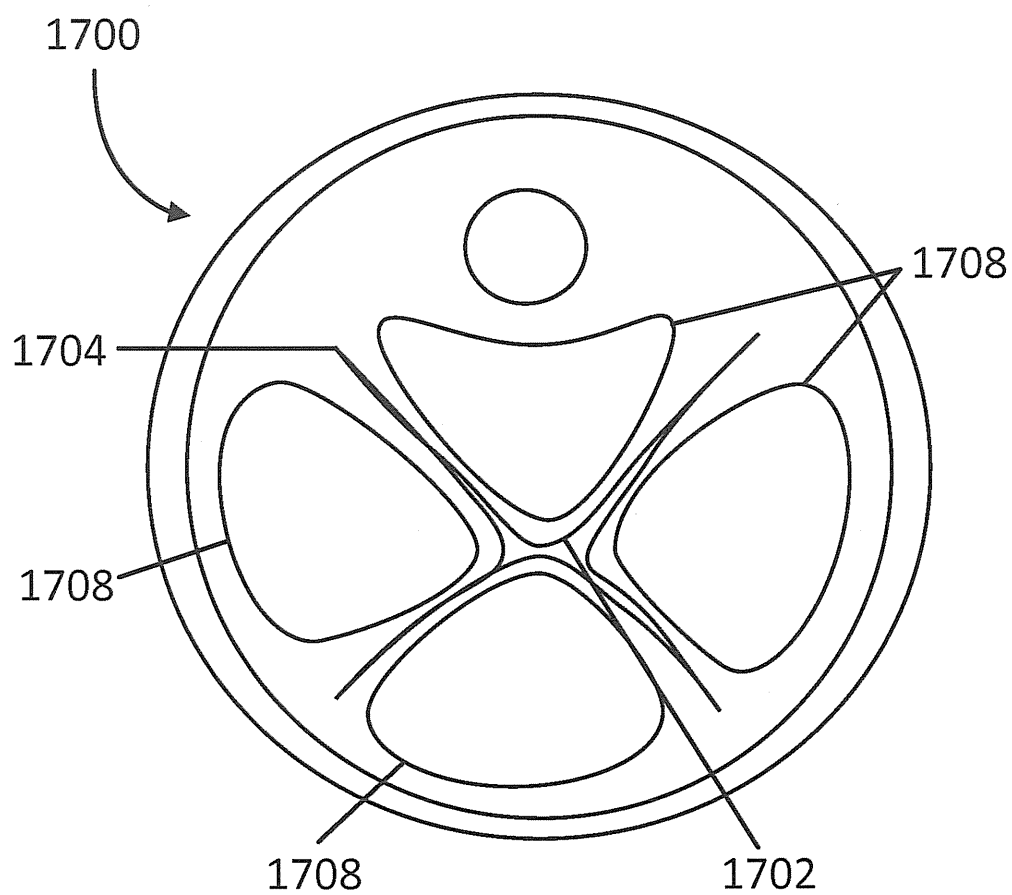


FIG. 25

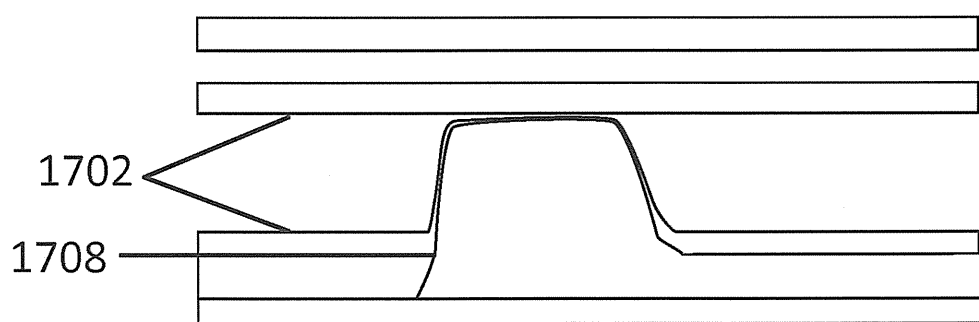


FIG. 26

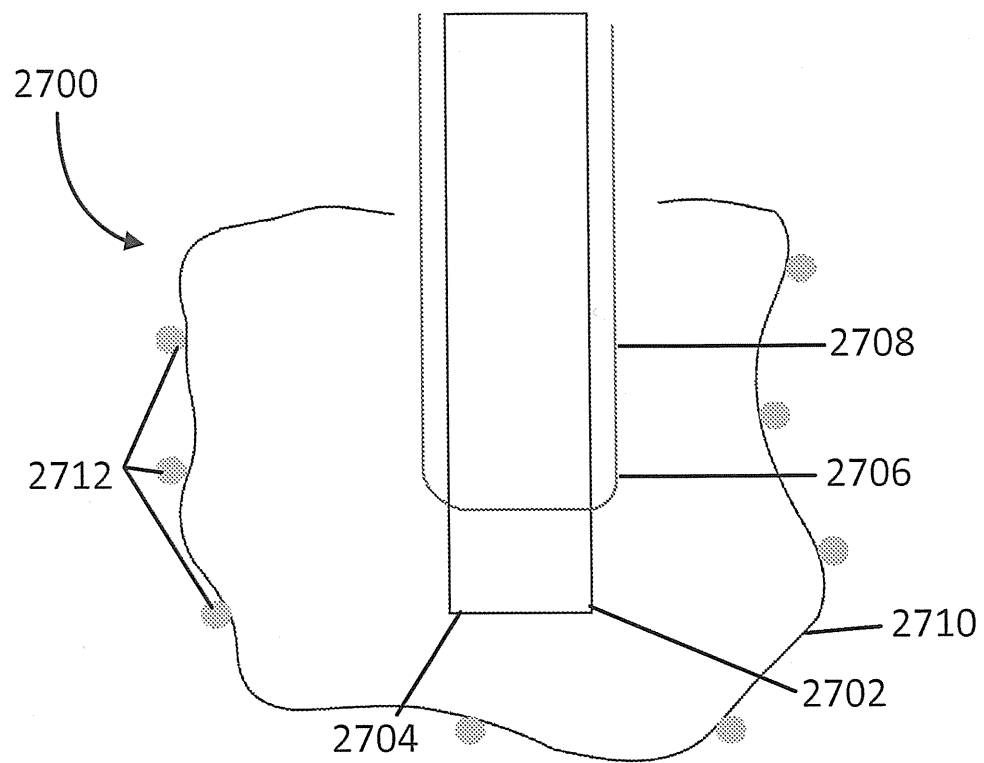


FIG. 27

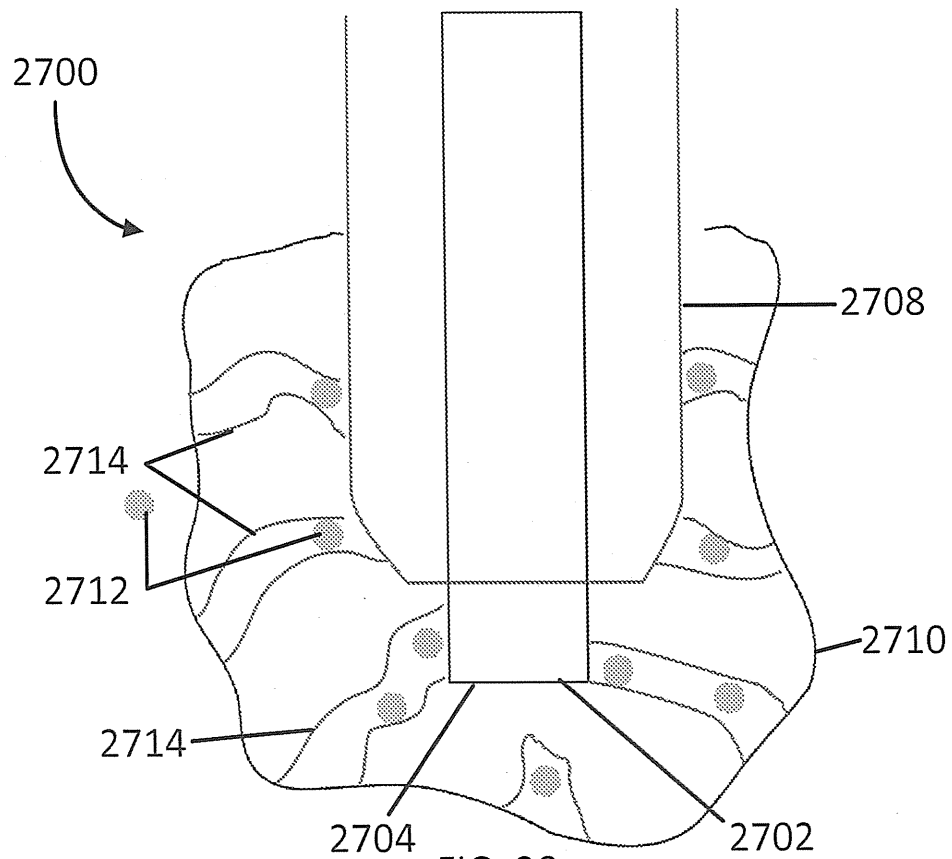


FIG. 28

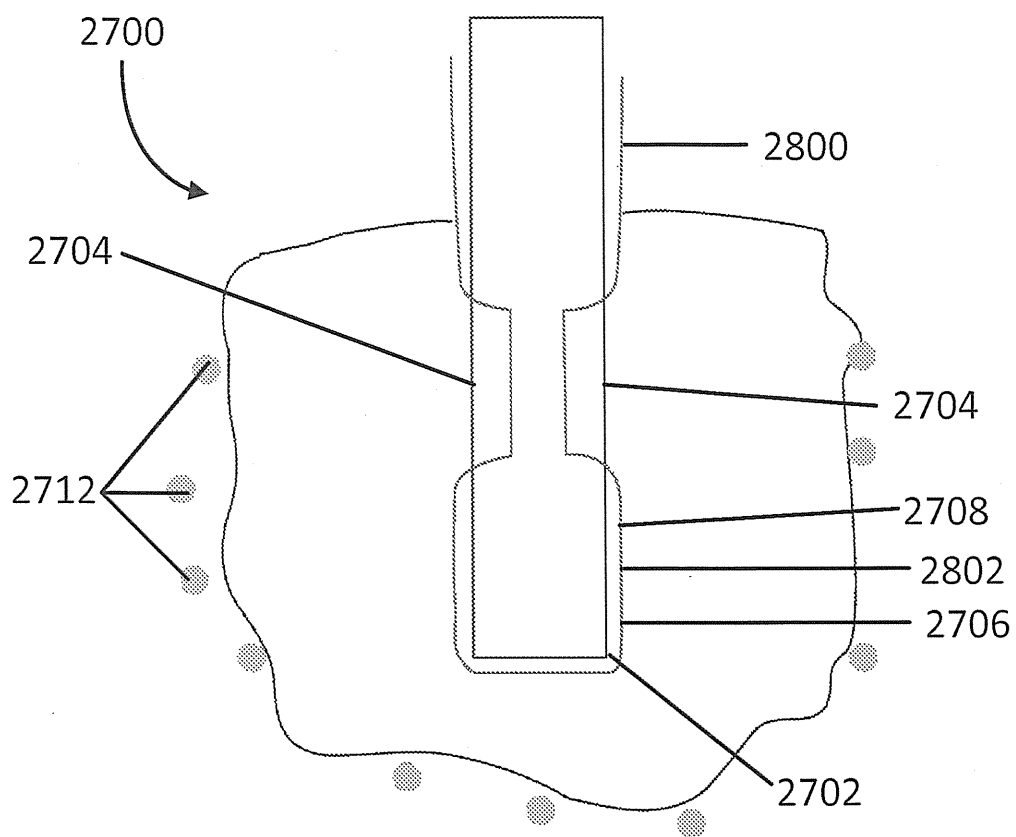


FIG. 29

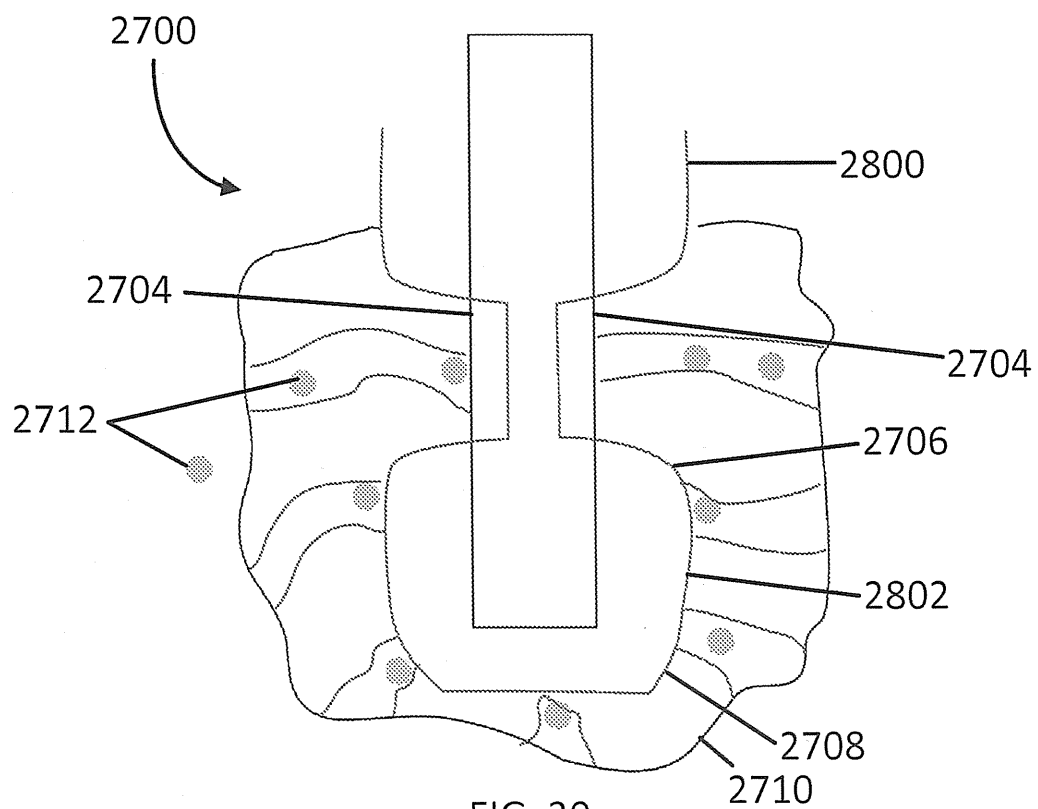


FIG. 30

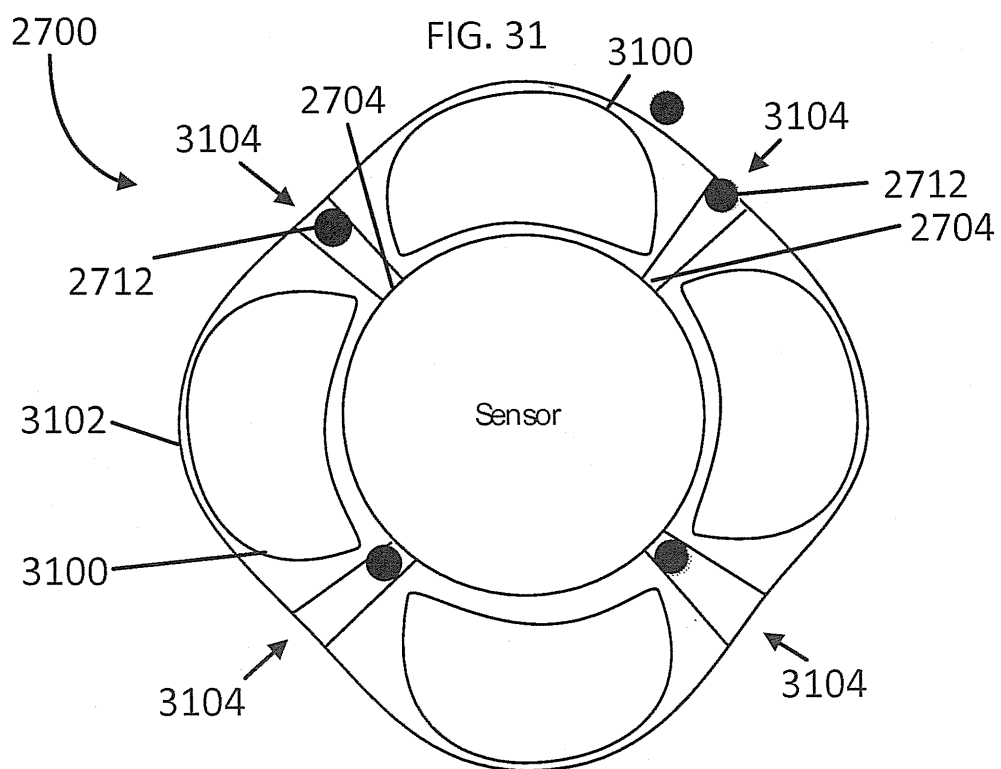
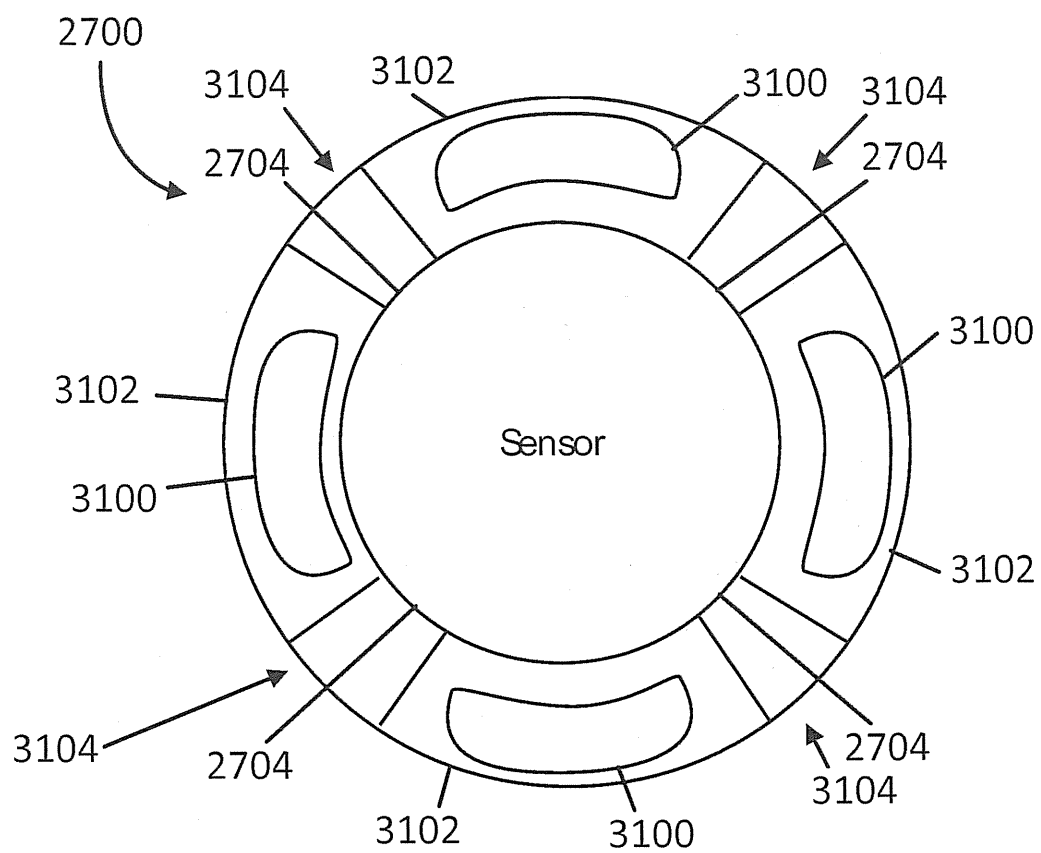


FIG. 32

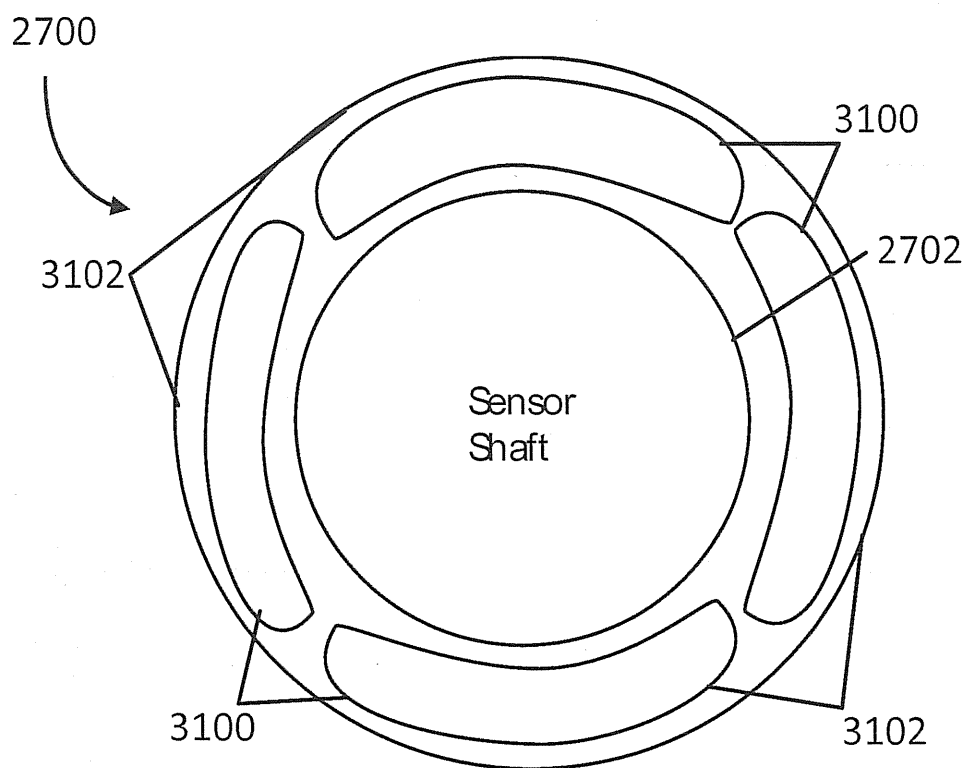


FIG. 33

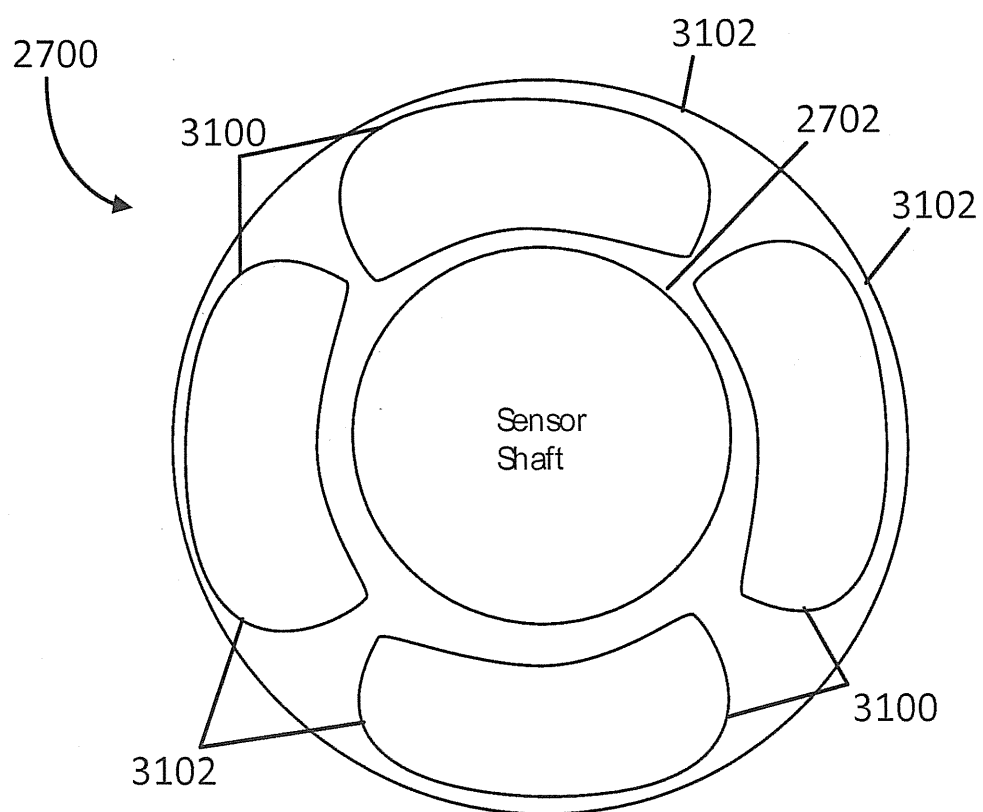


FIG. 34