

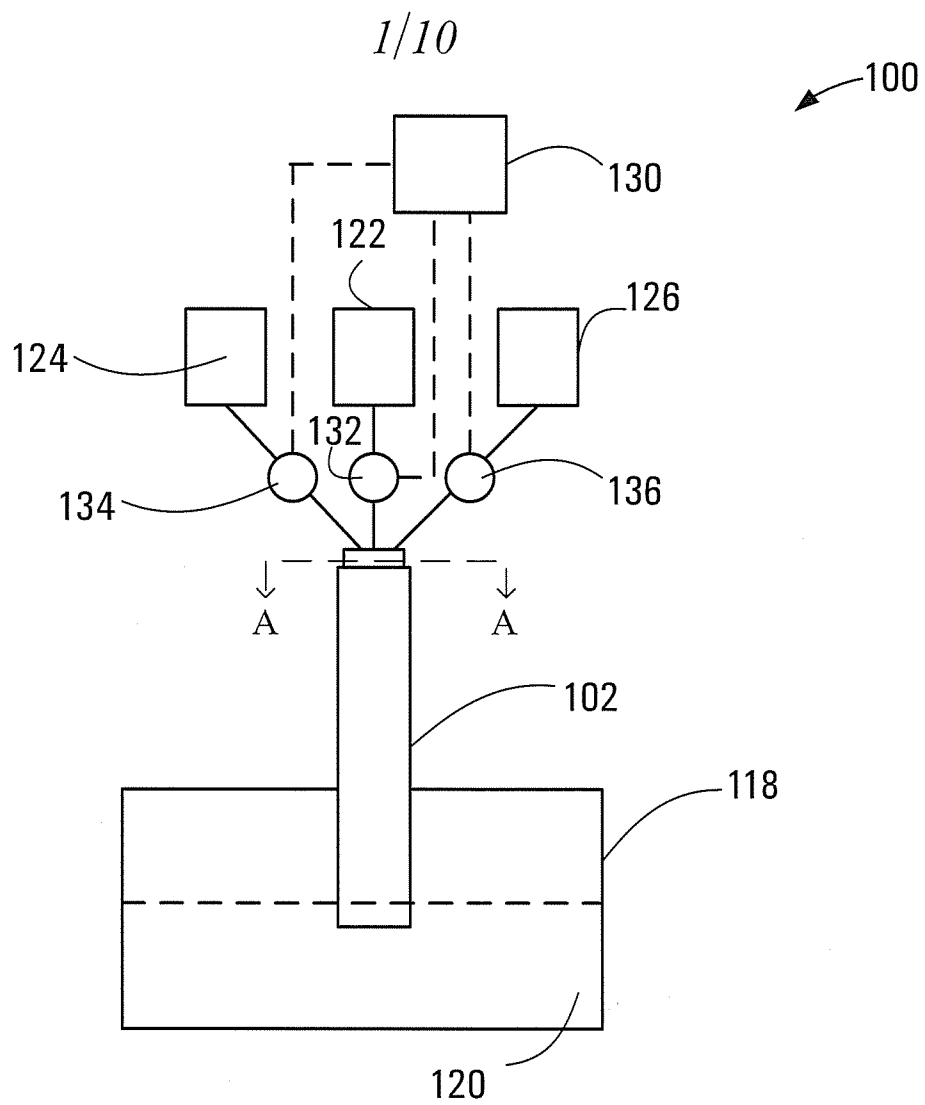


FIG. 1

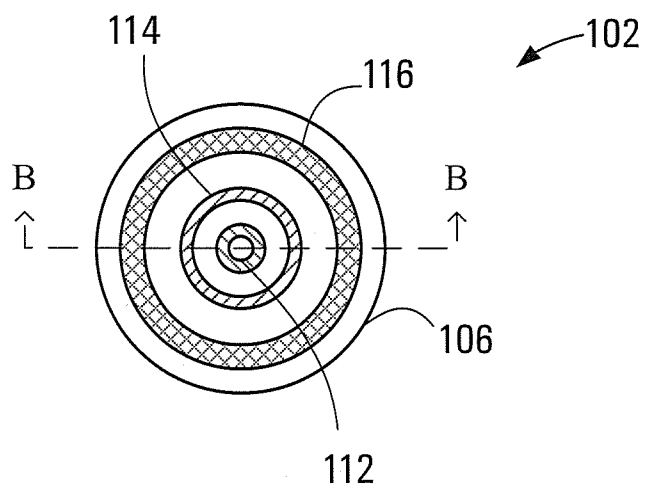


FIG. 2

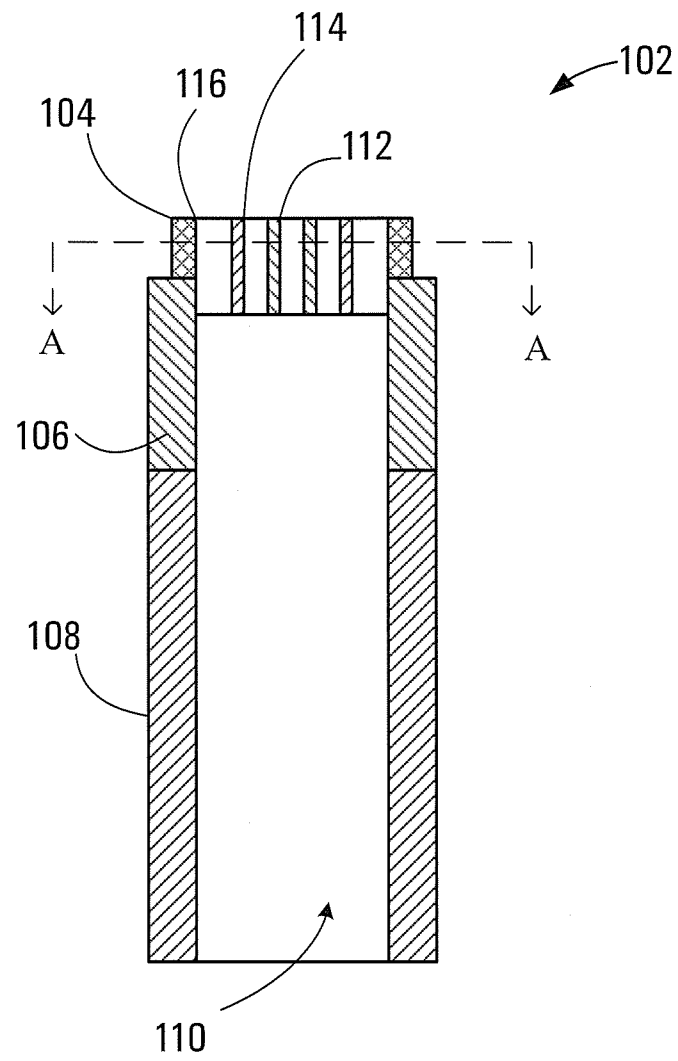


FIG. 3

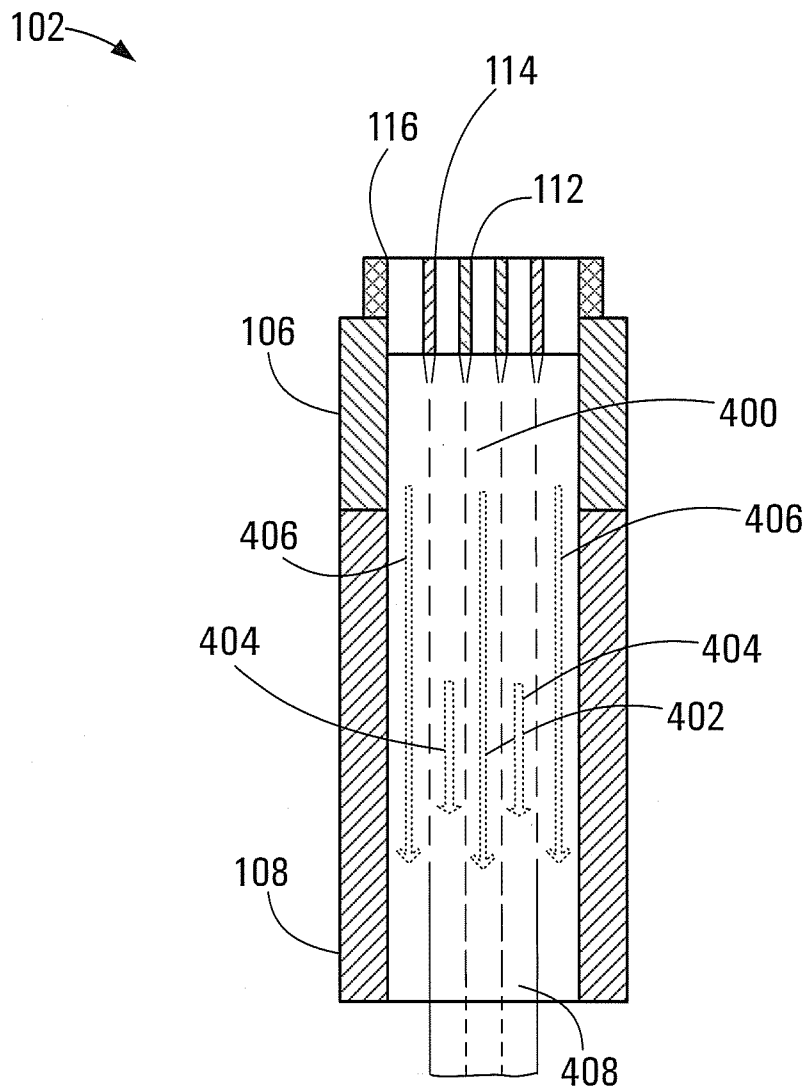


FIG. 4

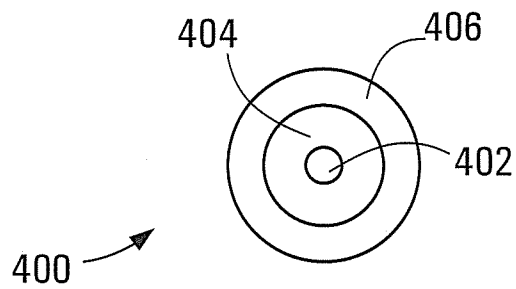
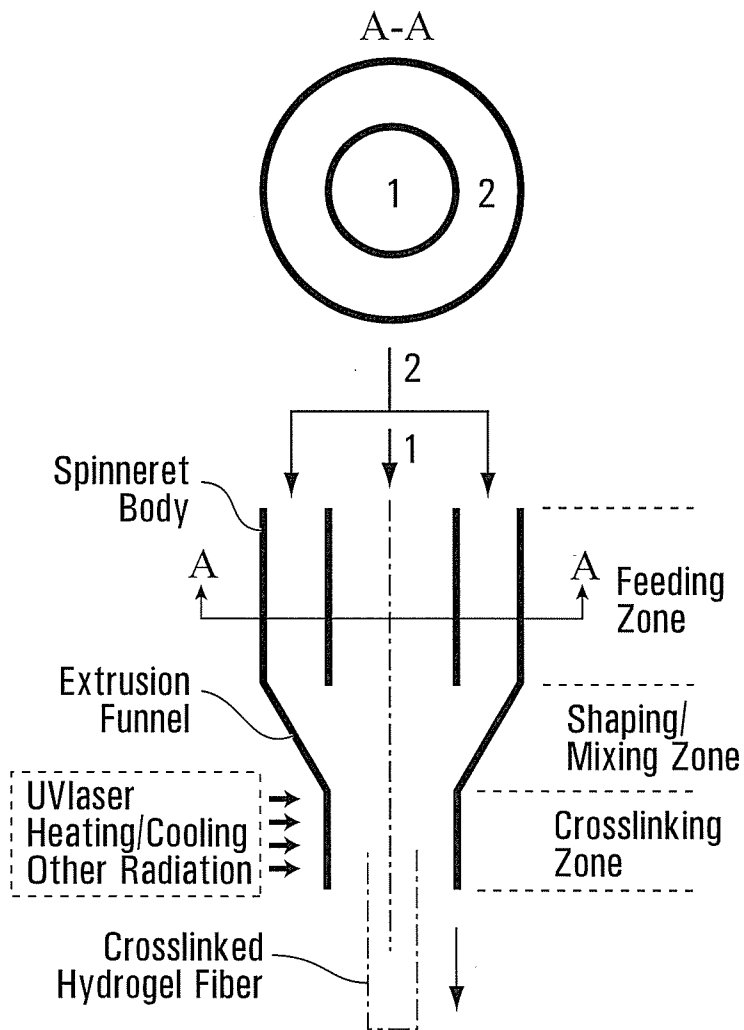
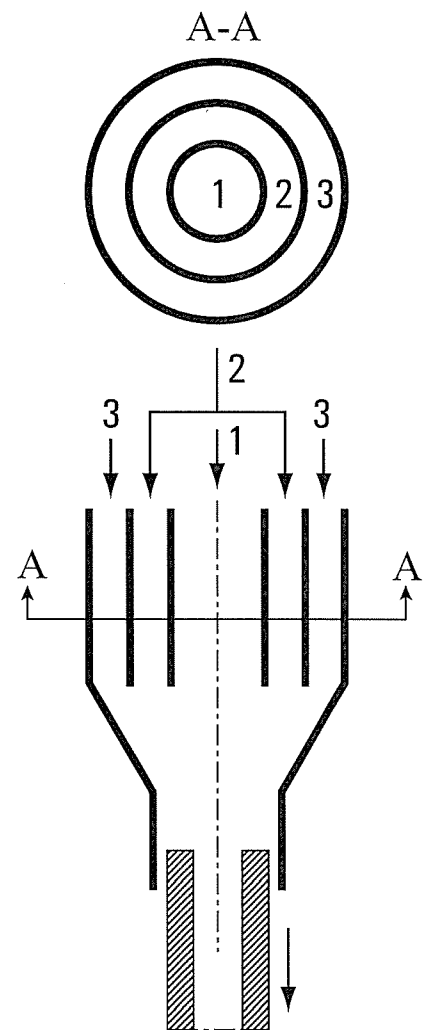


FIG. 5

**FIG. 6****FIG. 7**

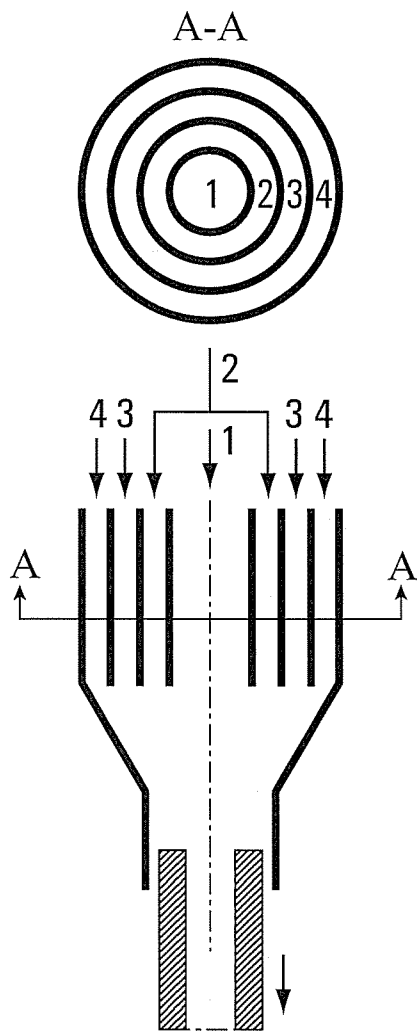


FIG. 8

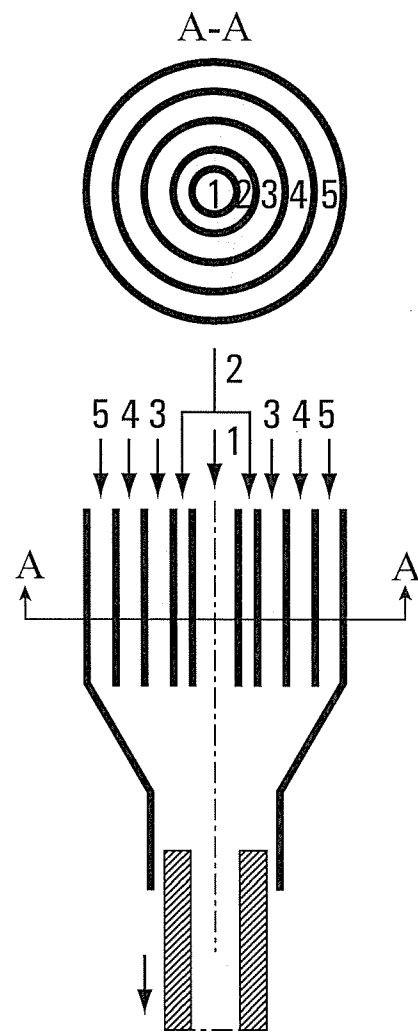


FIG. 9

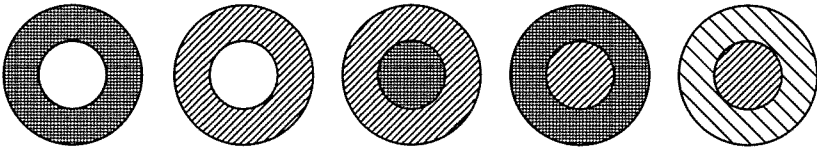
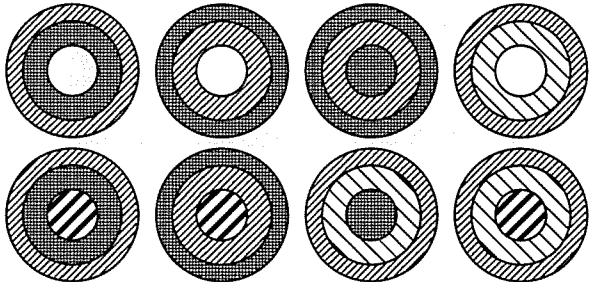
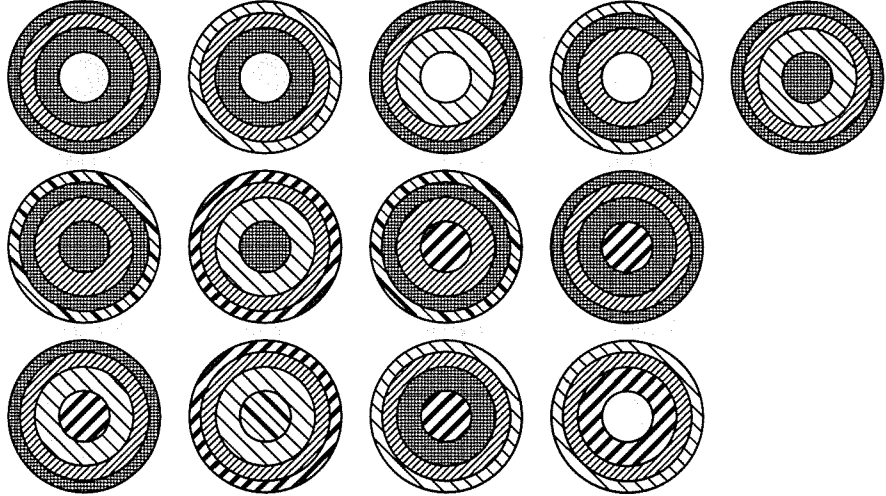
3	
4	
5	
Legend	Lumen  Pure Hydrogel  Cell Type I Immobilized in Hydrogel  Cell Type II Immobilized in Hydrogel  Cell Type III Immobilized in Hydrogel  Cell Type VI Immobilized in Hydrogel 

FIG. 10

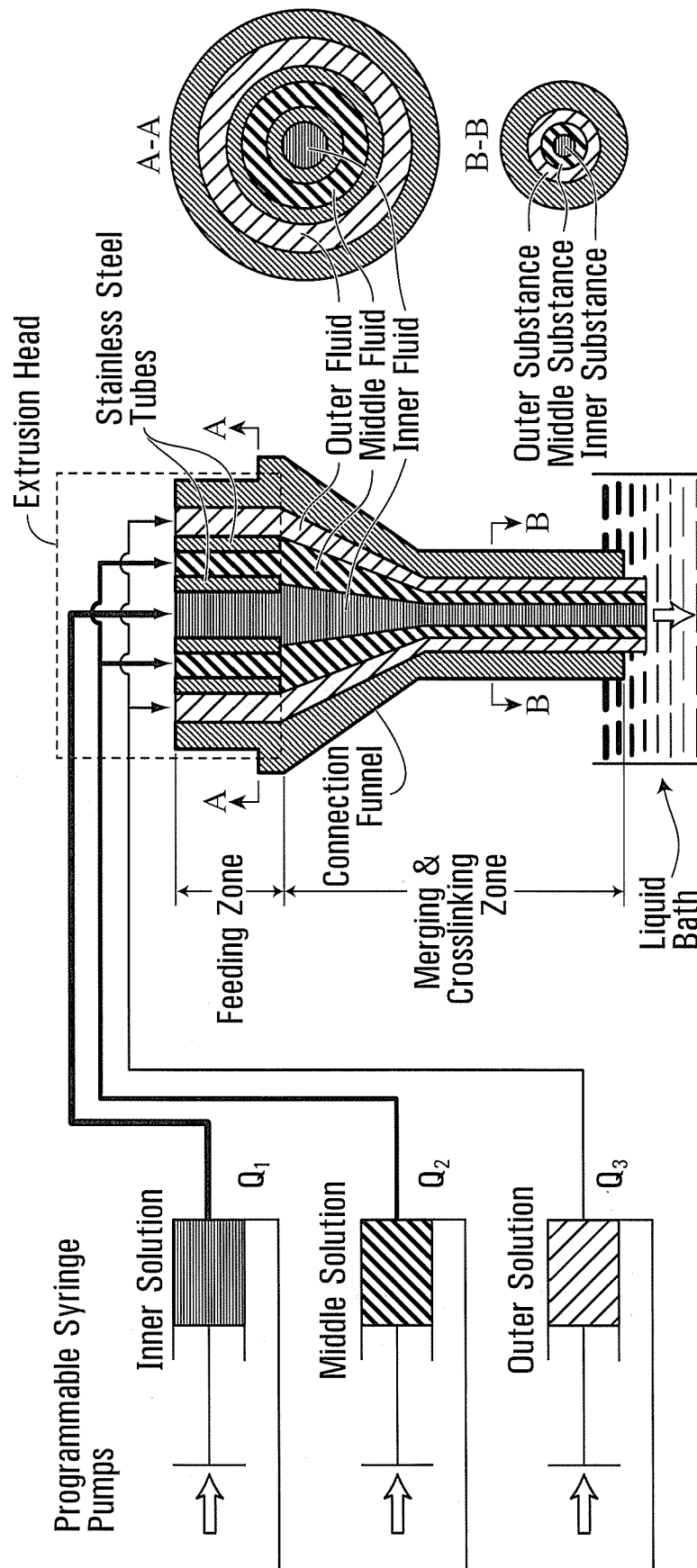


FIG. 11A

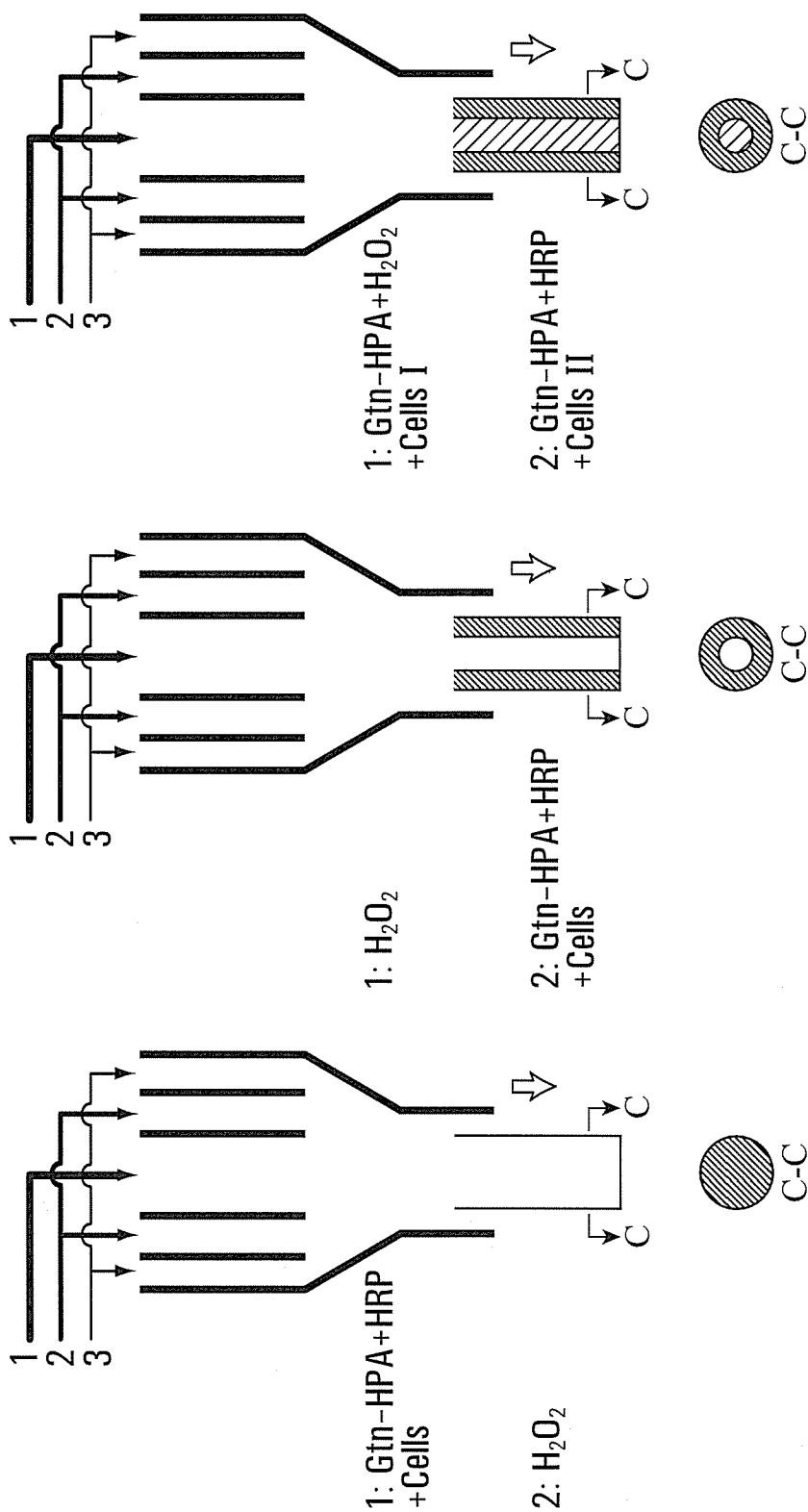


FIG. 11B

FIG. 11C

FIG. 11D

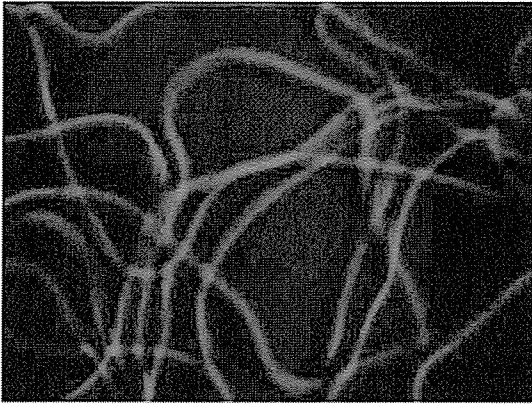


FIG. 12

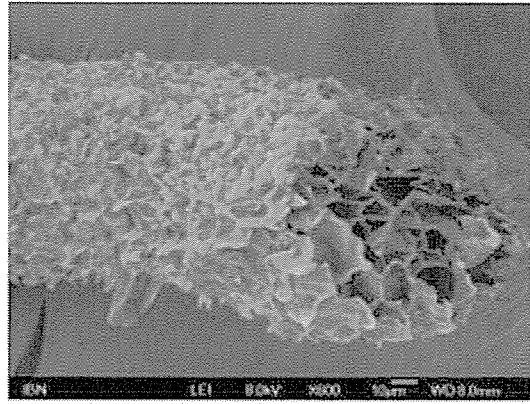


FIG. 13

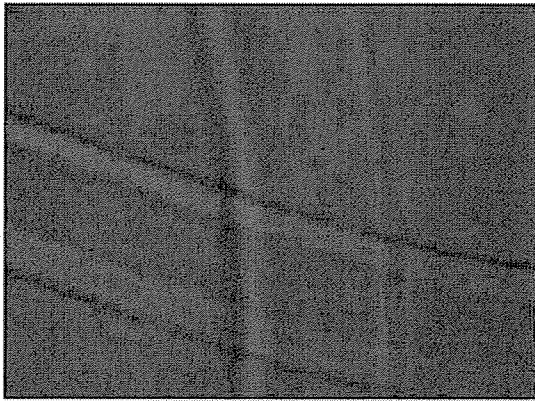


FIG. 14

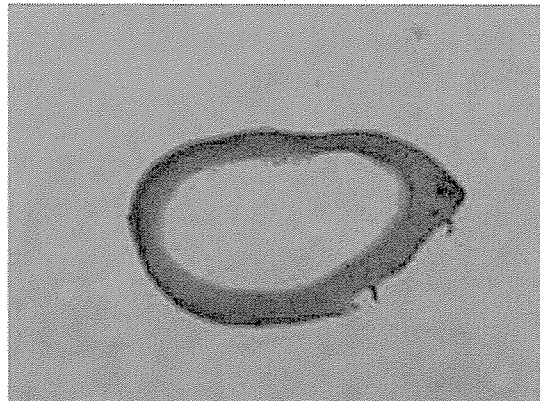


FIG. 15



FIG. 16

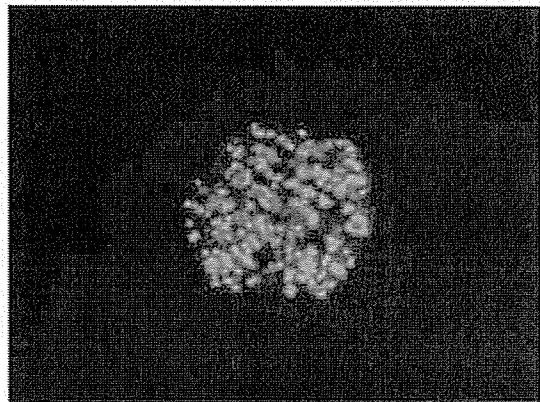


FIG. 17

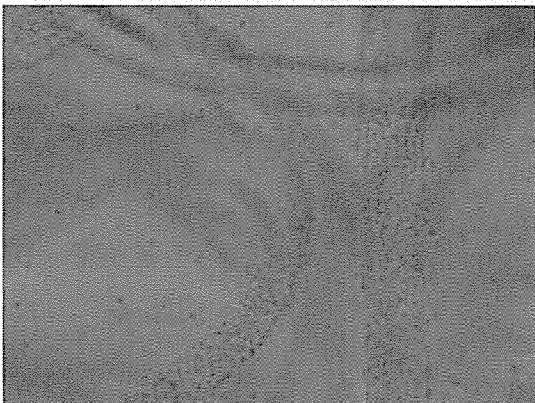


FIG. 18



FIG. 19

10/10

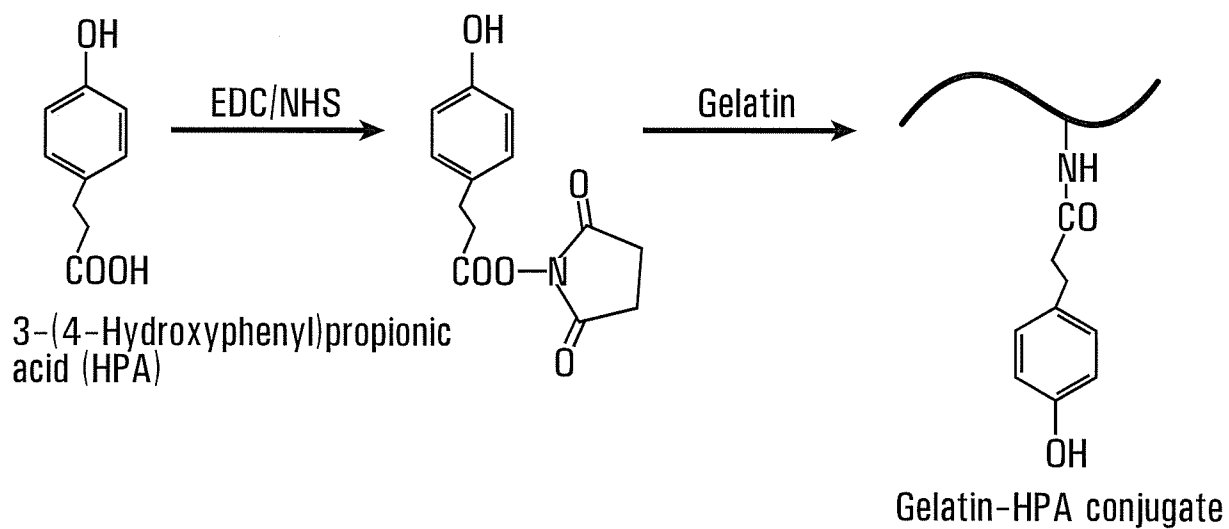


FIG. 20

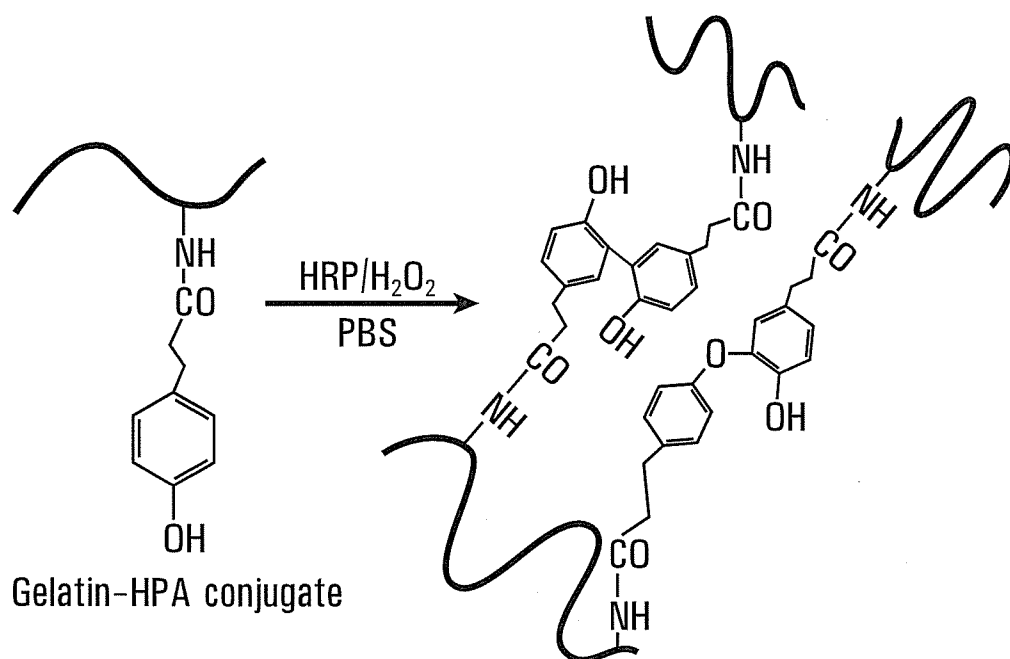


FIG. 21