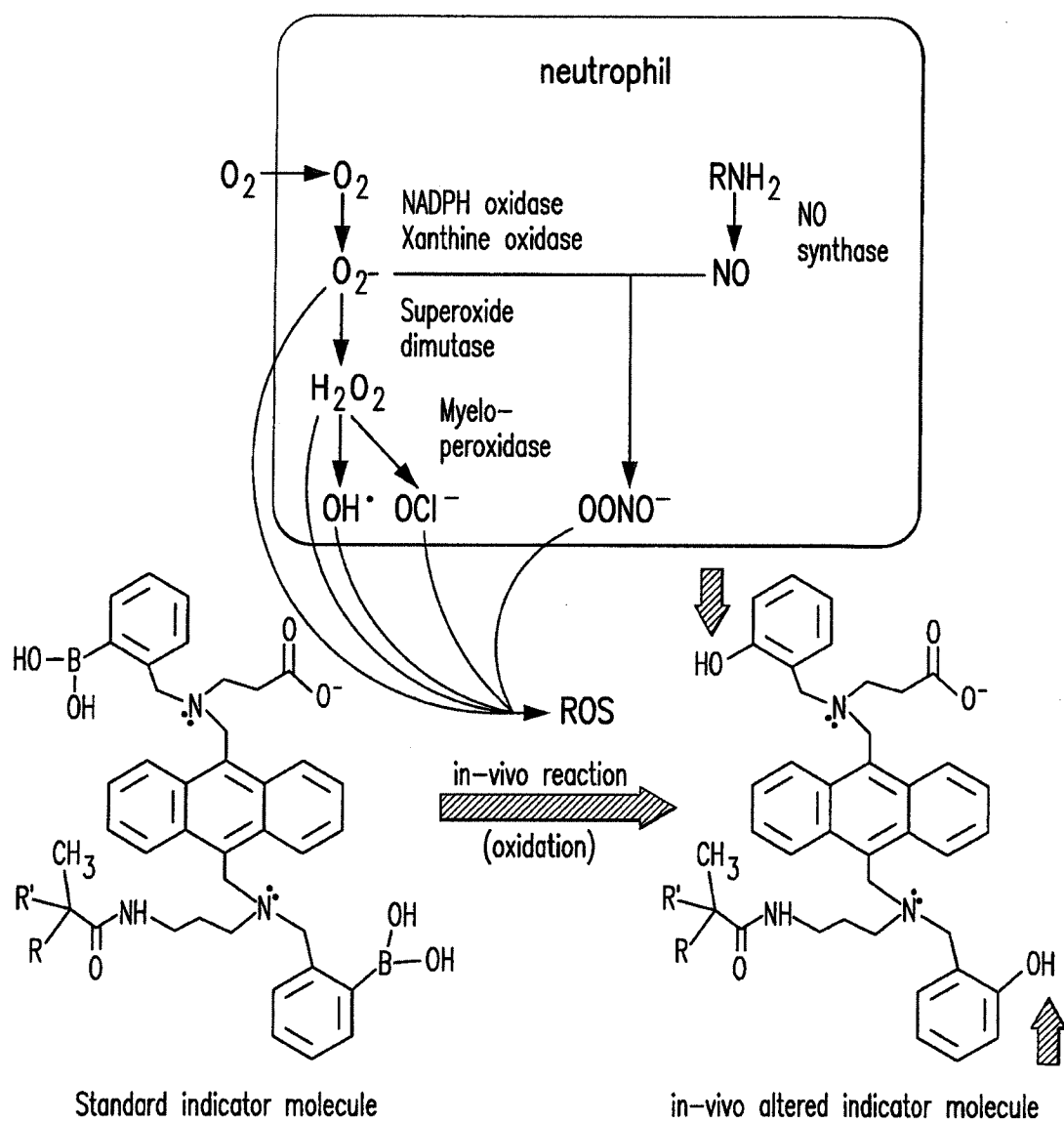


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Bond Energies: C-C = 358 kJ/mol C-B = 323 kJ/mol B-O = 519 kJ/mol

FIG. 1A

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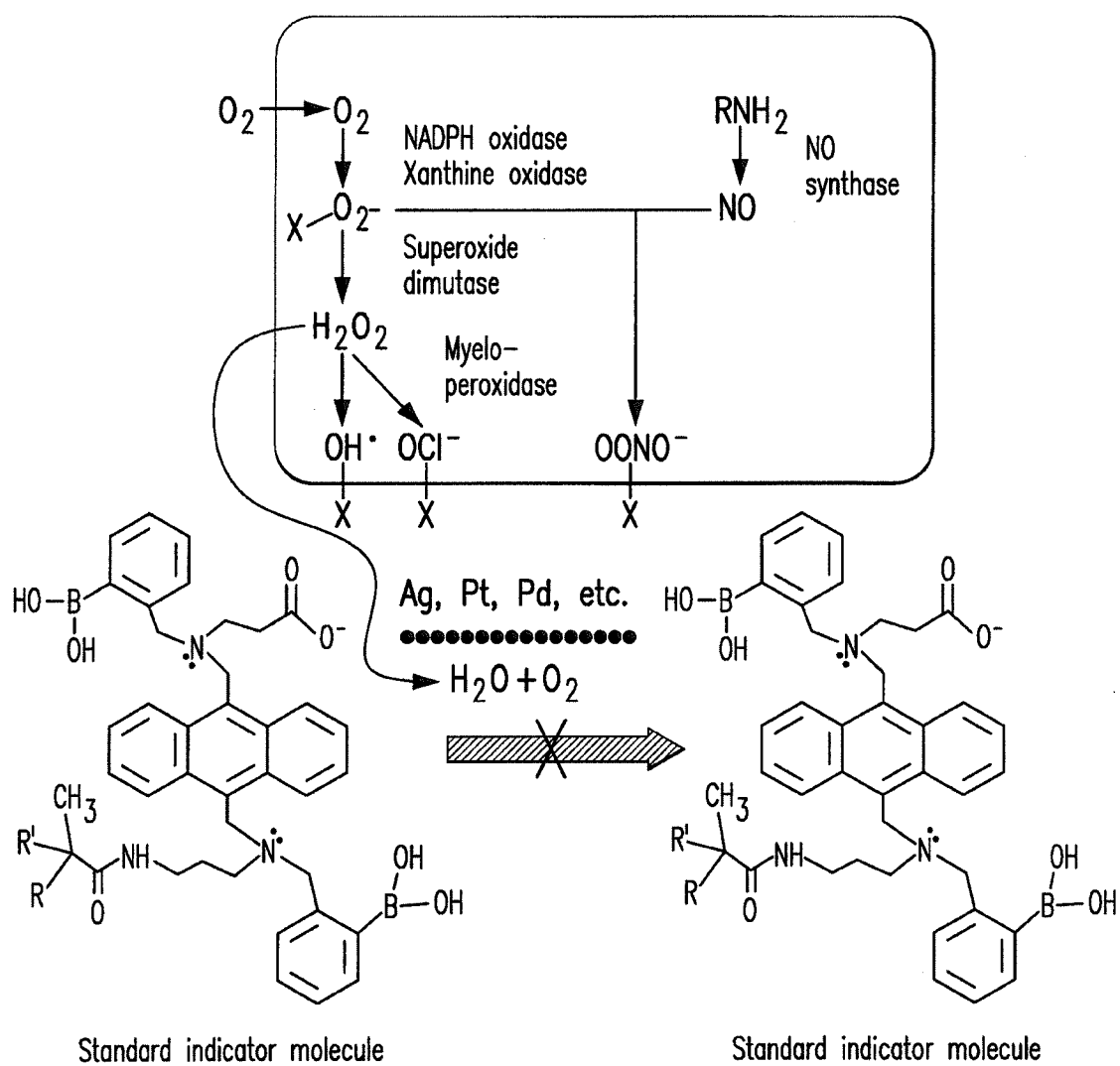


FIG. 1B

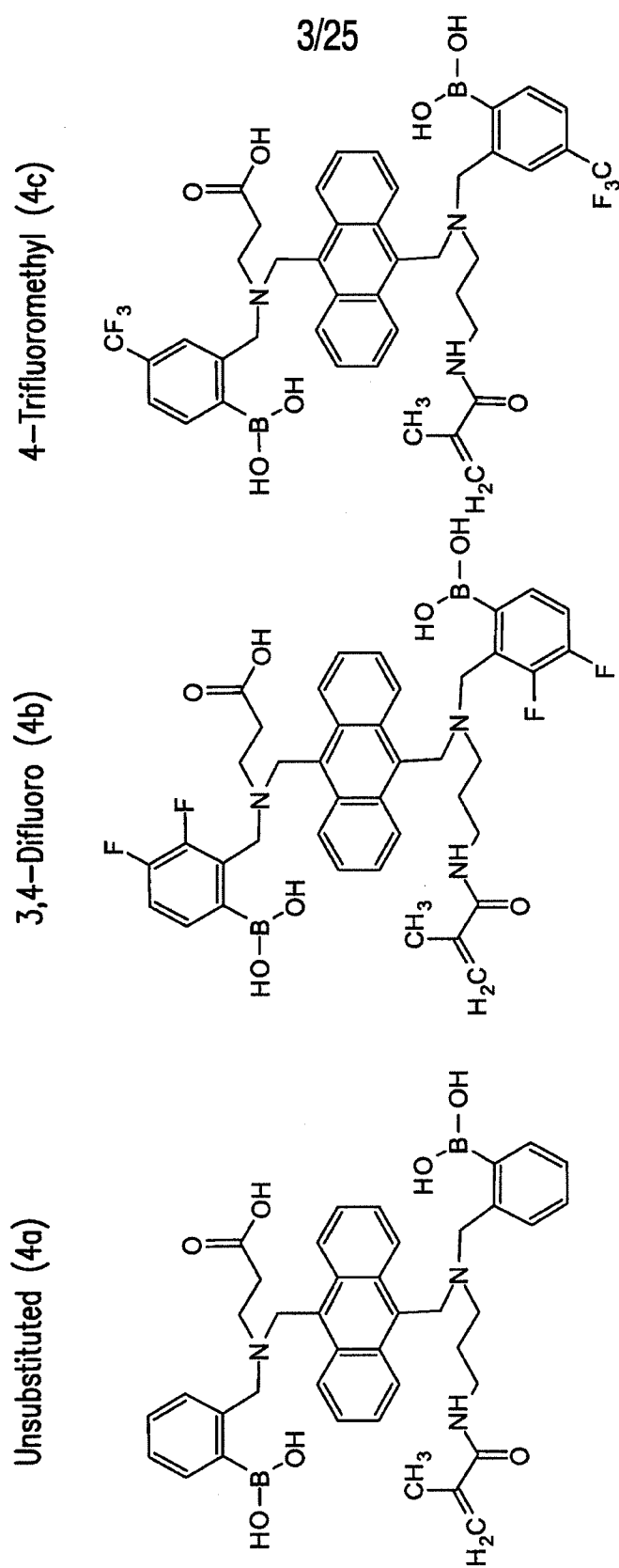


FIG. 2A-1

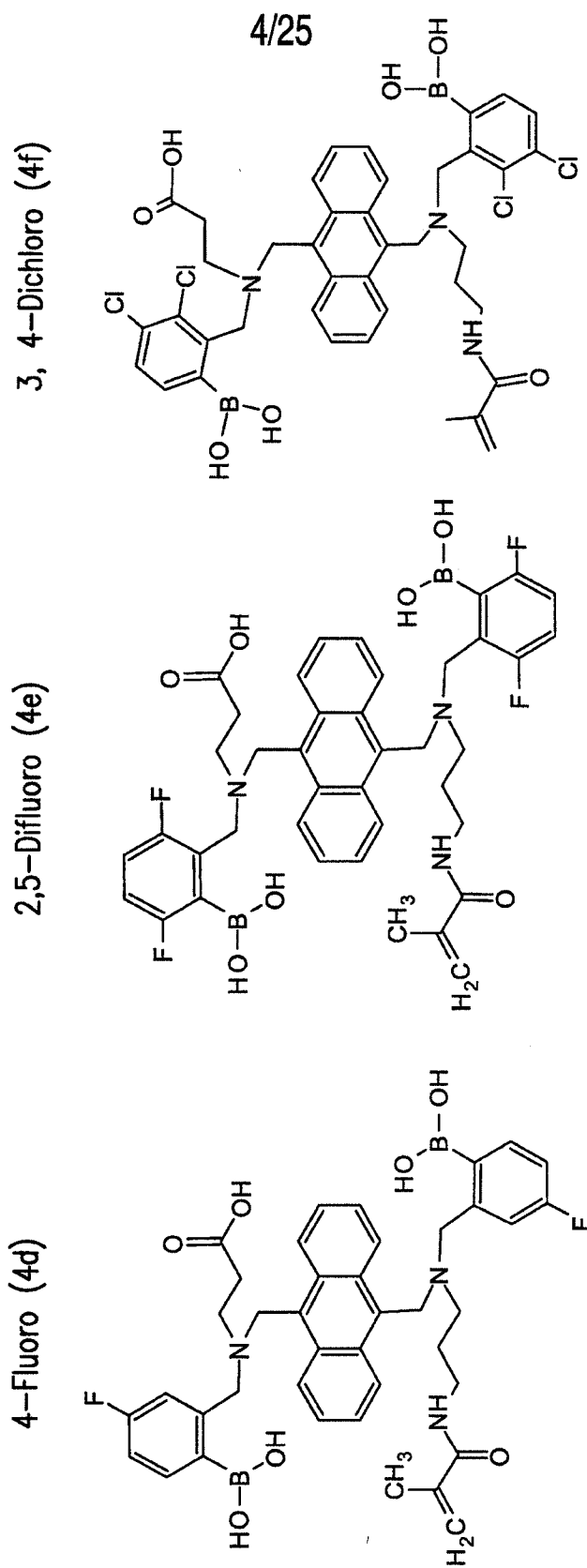


FIG. 2A-2

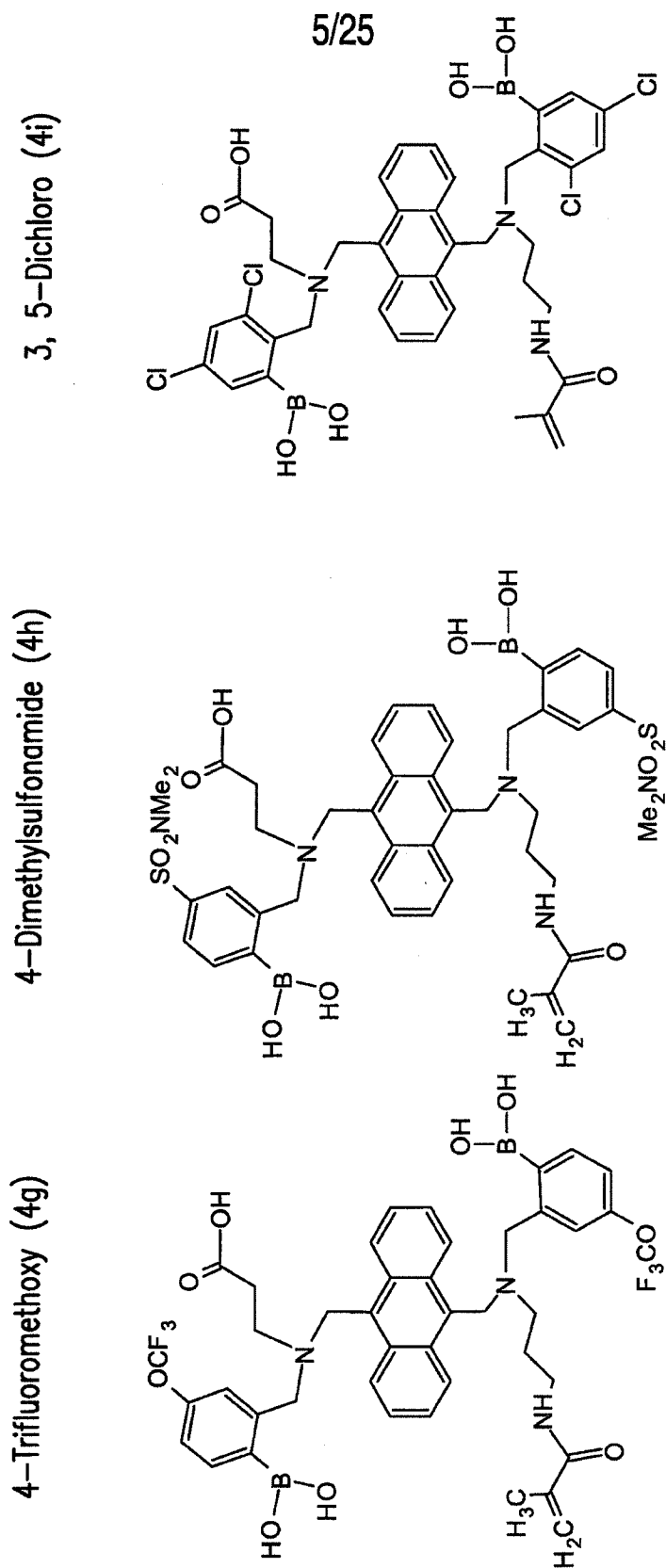


FIG. 2A-3

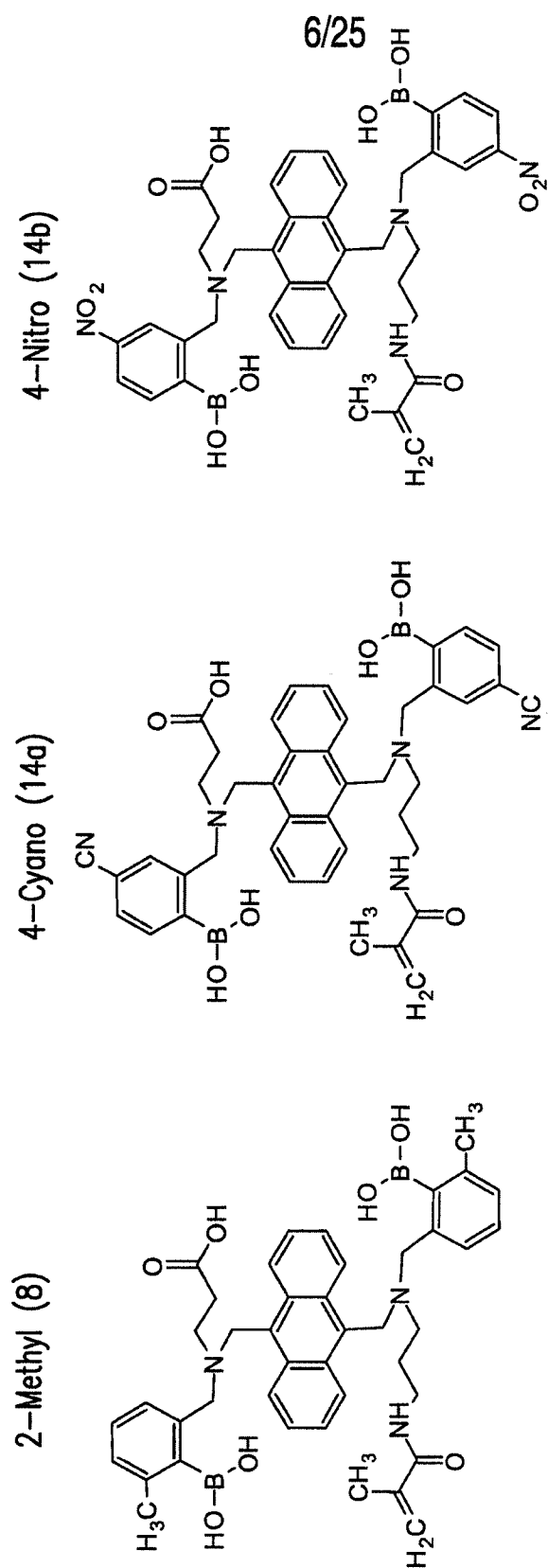


FIG. 2B-1

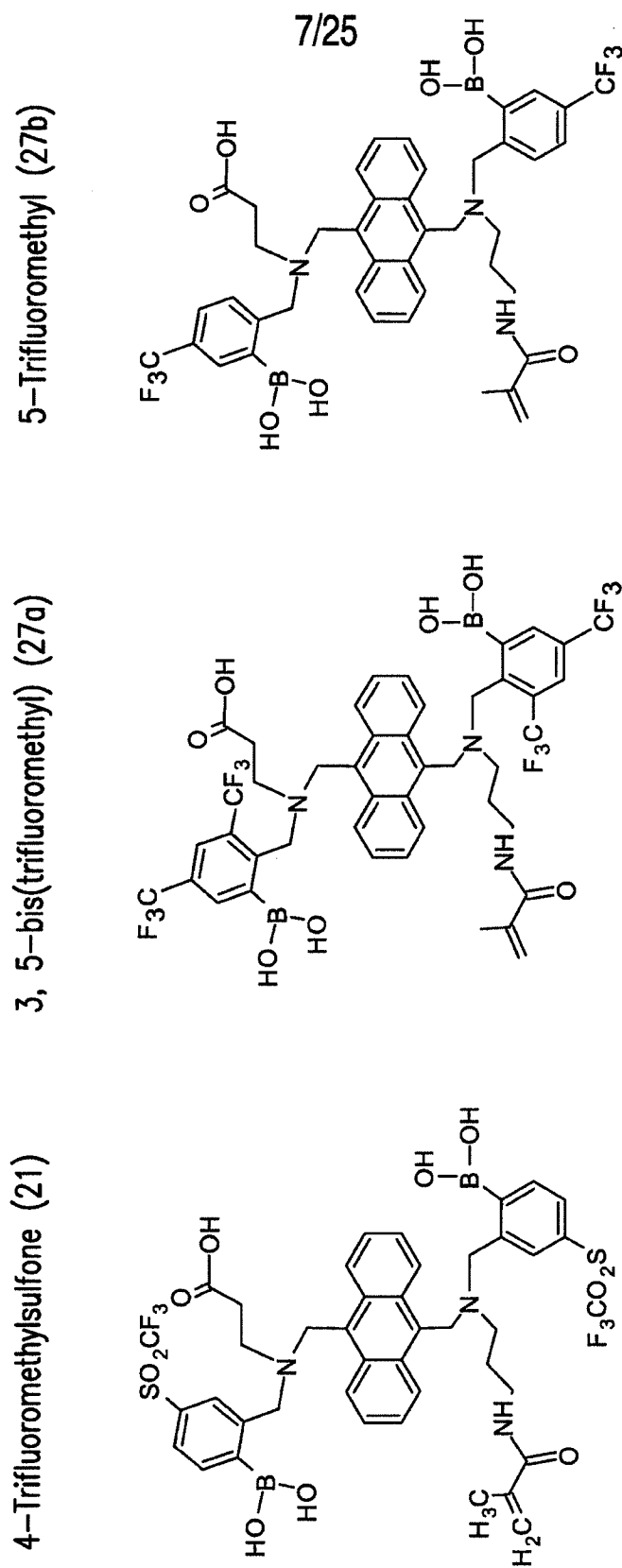
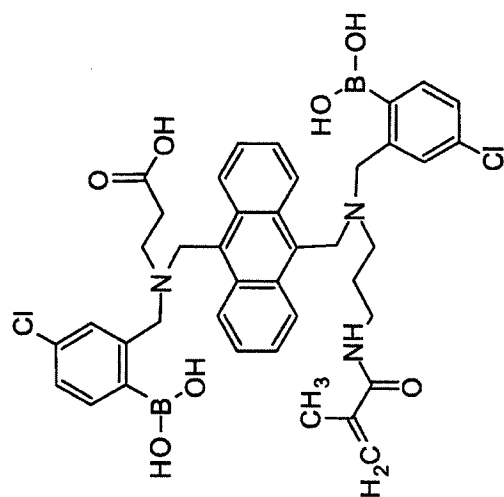


FIG. 2B-2

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4-Chloro (32b)



5-Fluoro (32a)

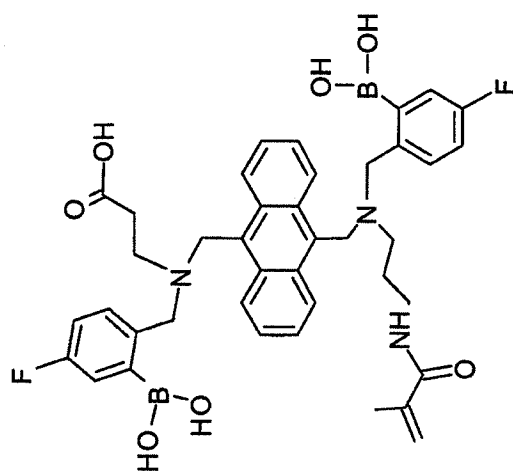


FIG. 2B-3

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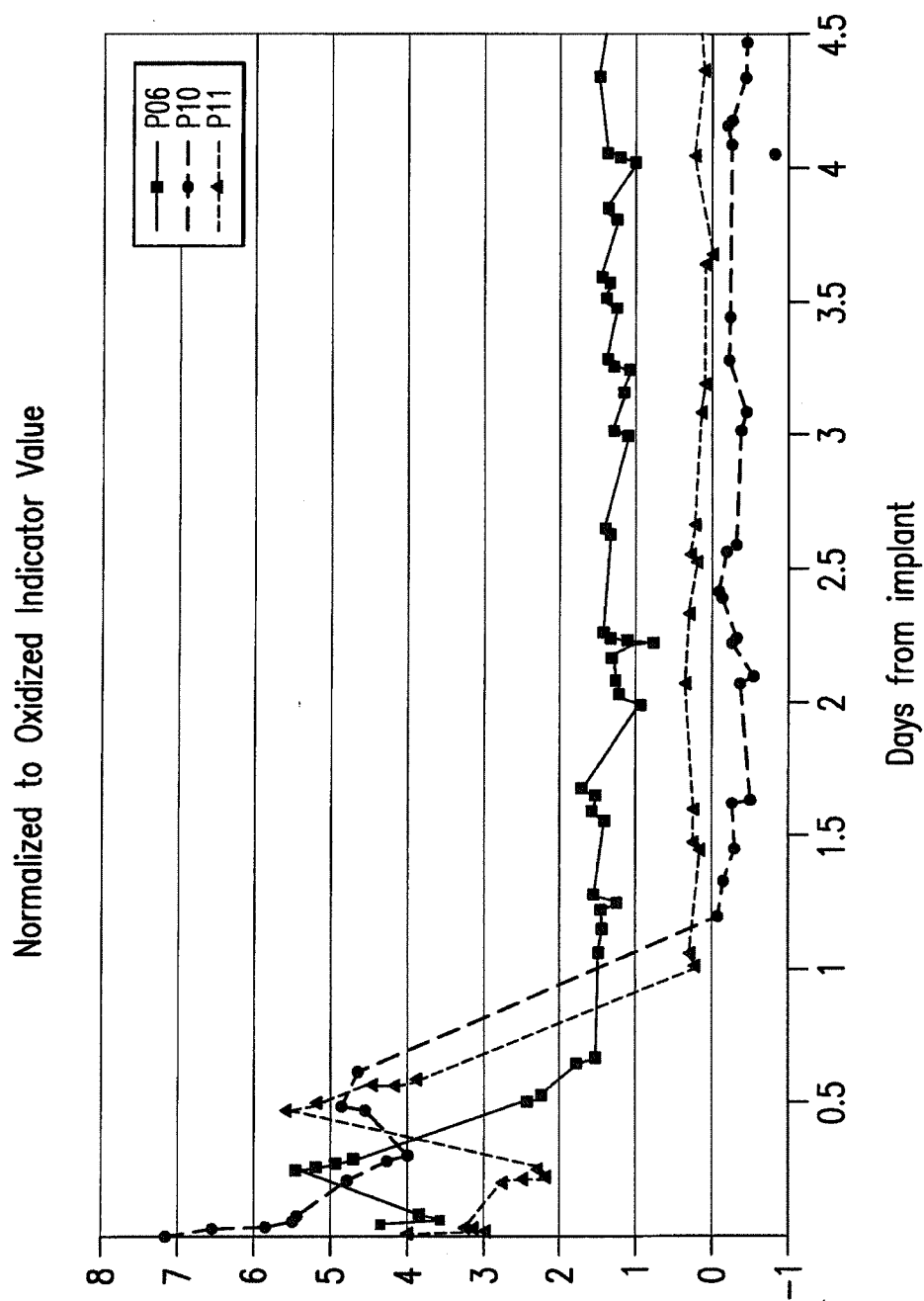


FIG. 3

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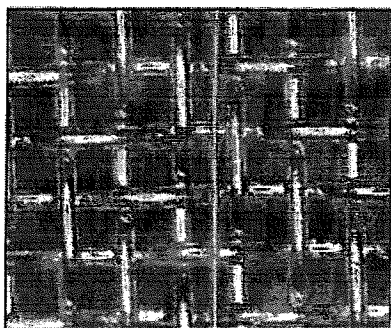


FIG. 4A

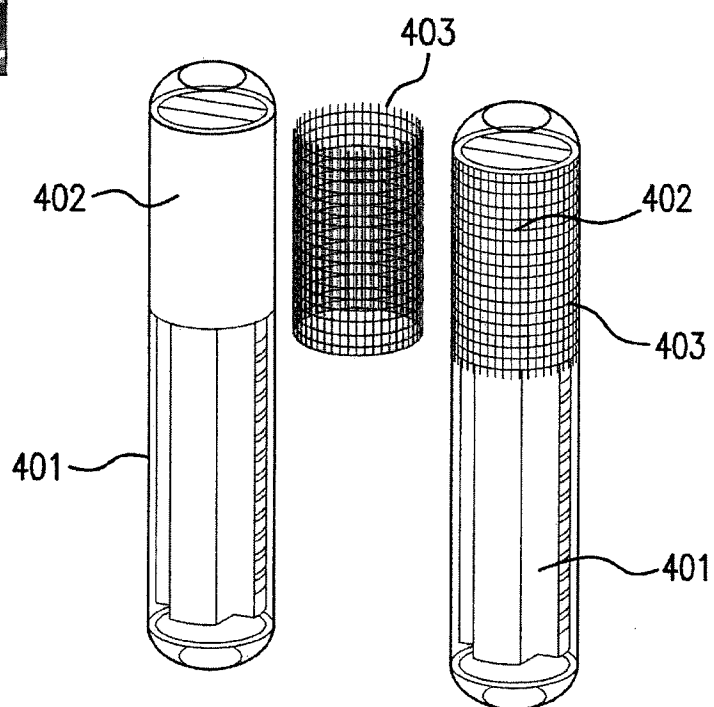


FIG. 4B

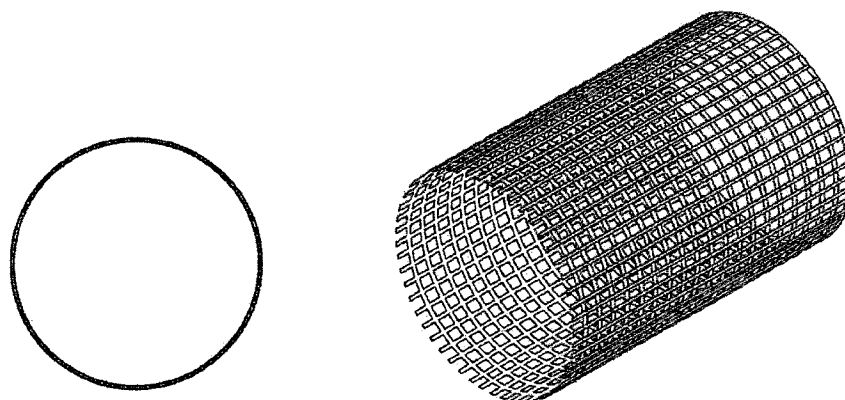


FIG. 4C

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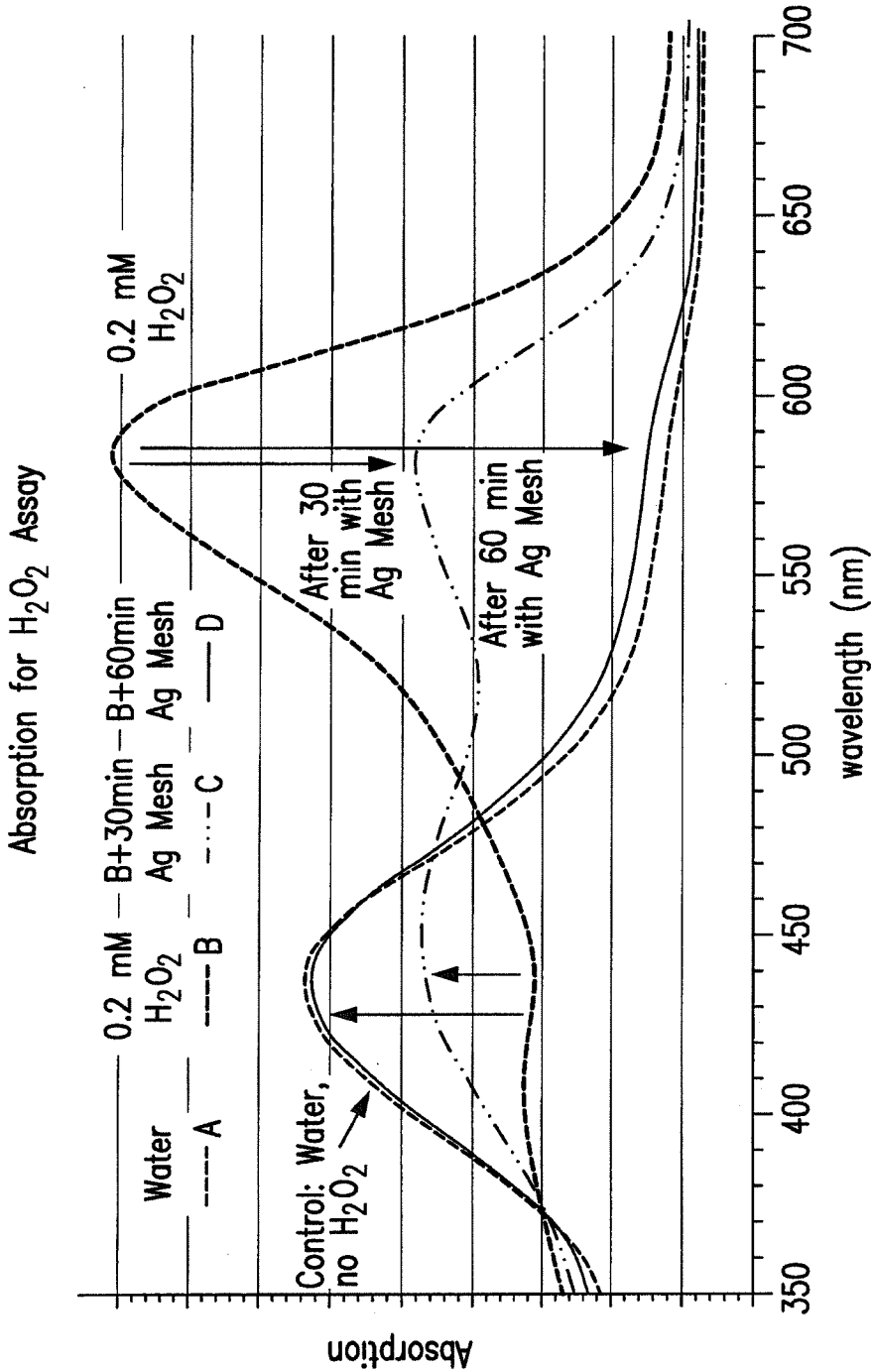
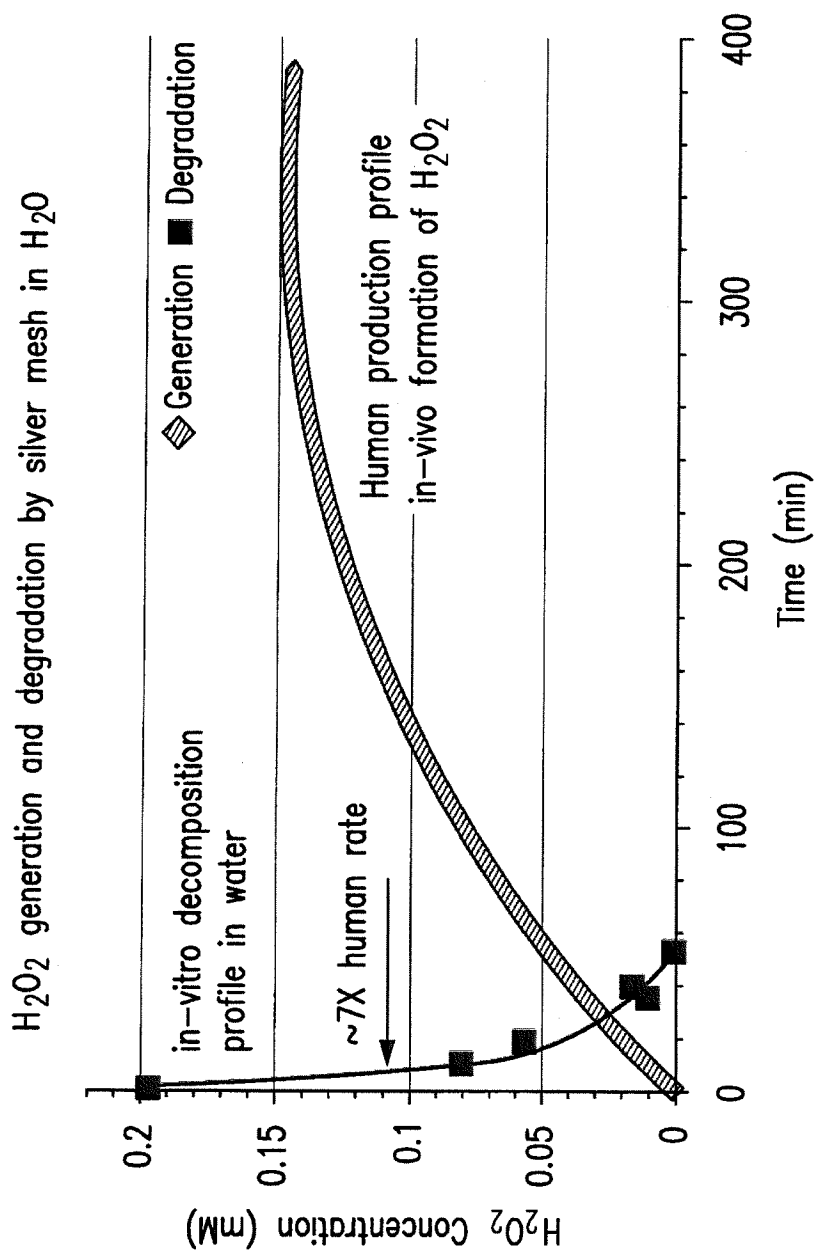


FIG. 5A

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H_2O_2 degradation: ~60mg silver mesh in 1.5mL 0.2mM H_2O_2 in water at pH~7.

FIG. 5B

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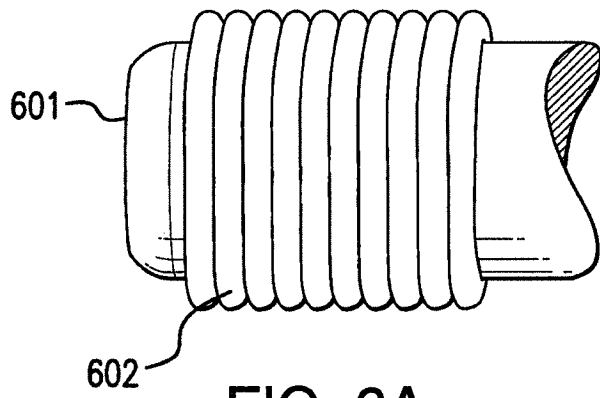


FIG. 6A

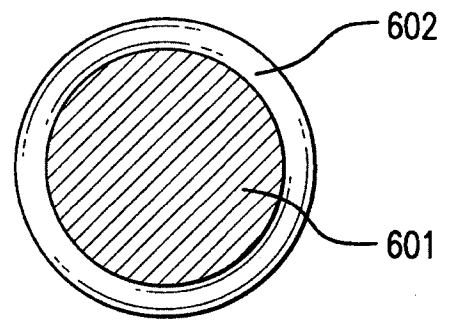


FIG. 6B

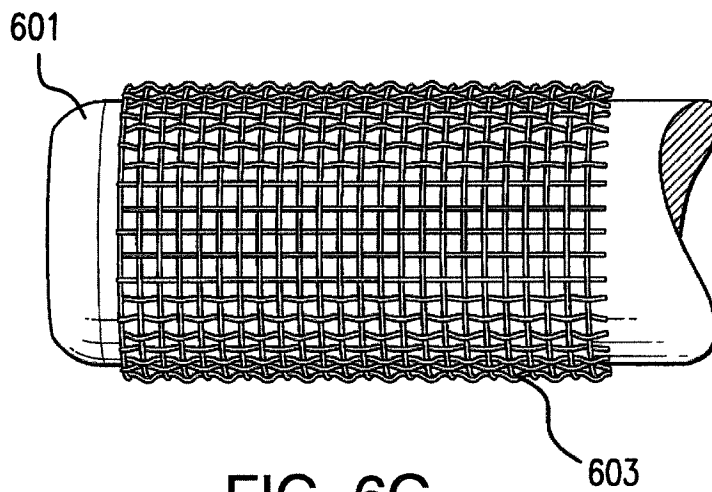


FIG. 6C

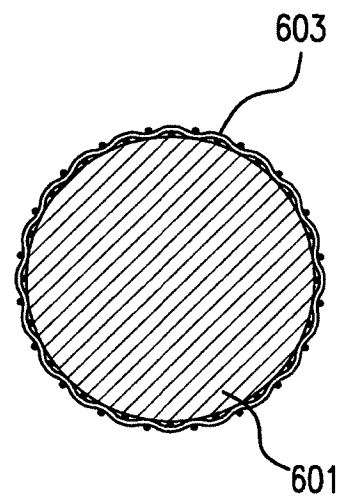


FIG. 6D

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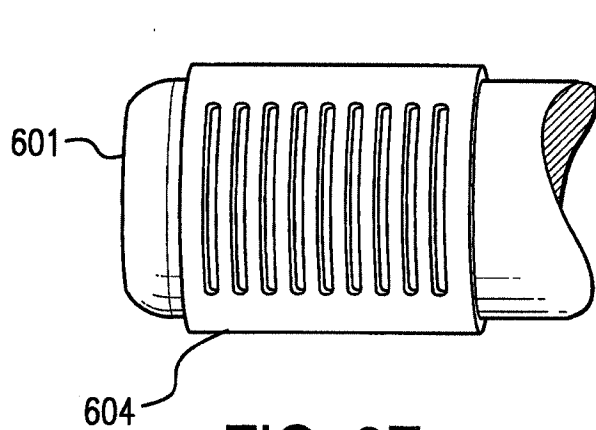


FIG. 6E

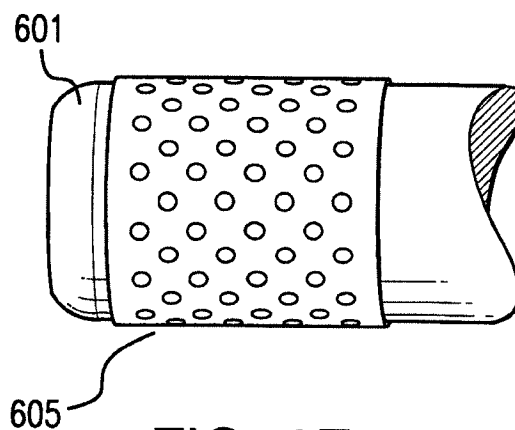


FIG. 6F

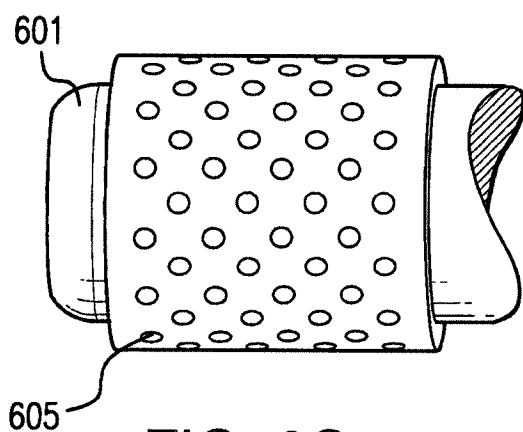


FIG. 6G

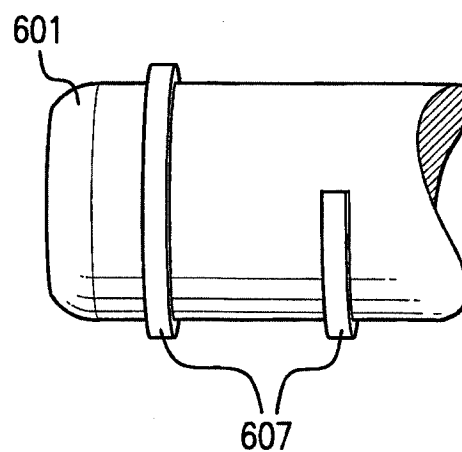


FIG. 6H

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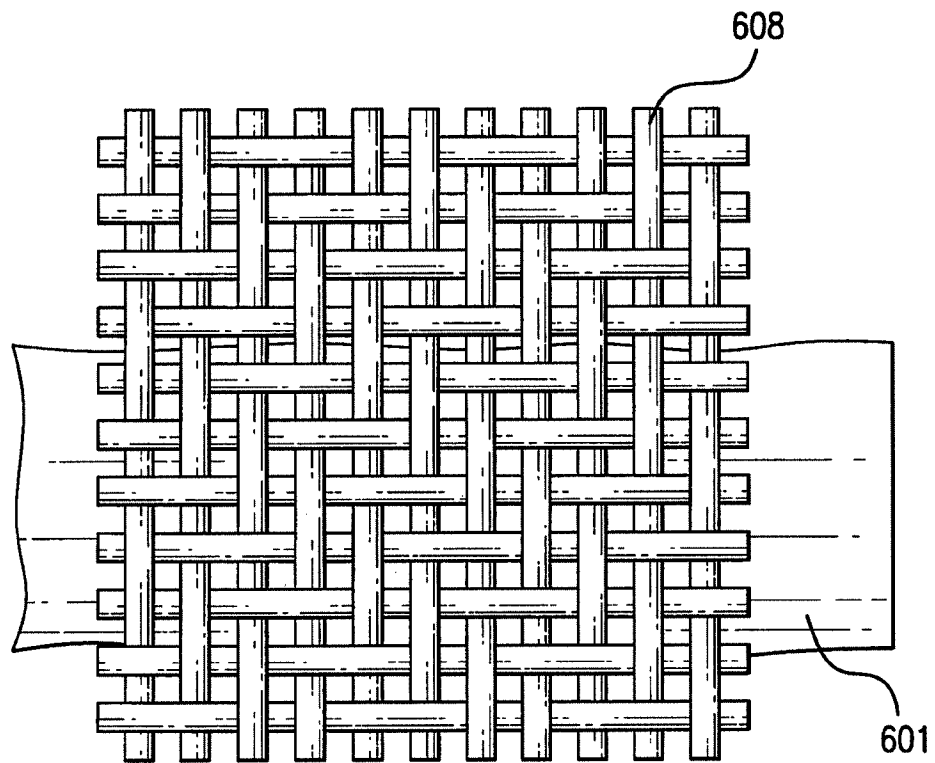


FIG. 6I

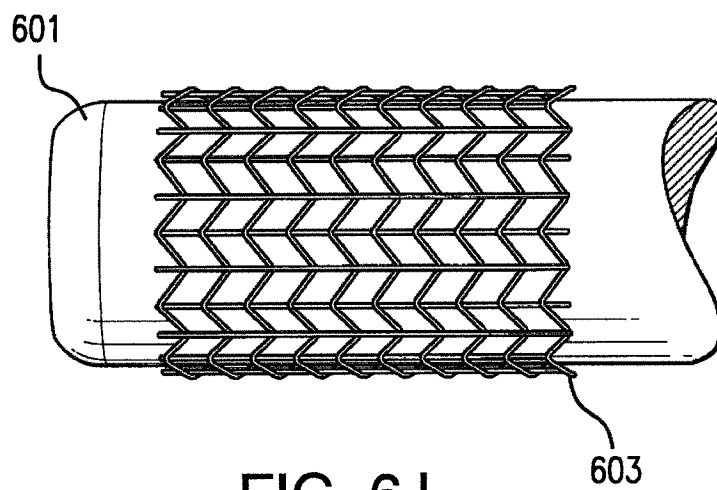


FIG. 6J

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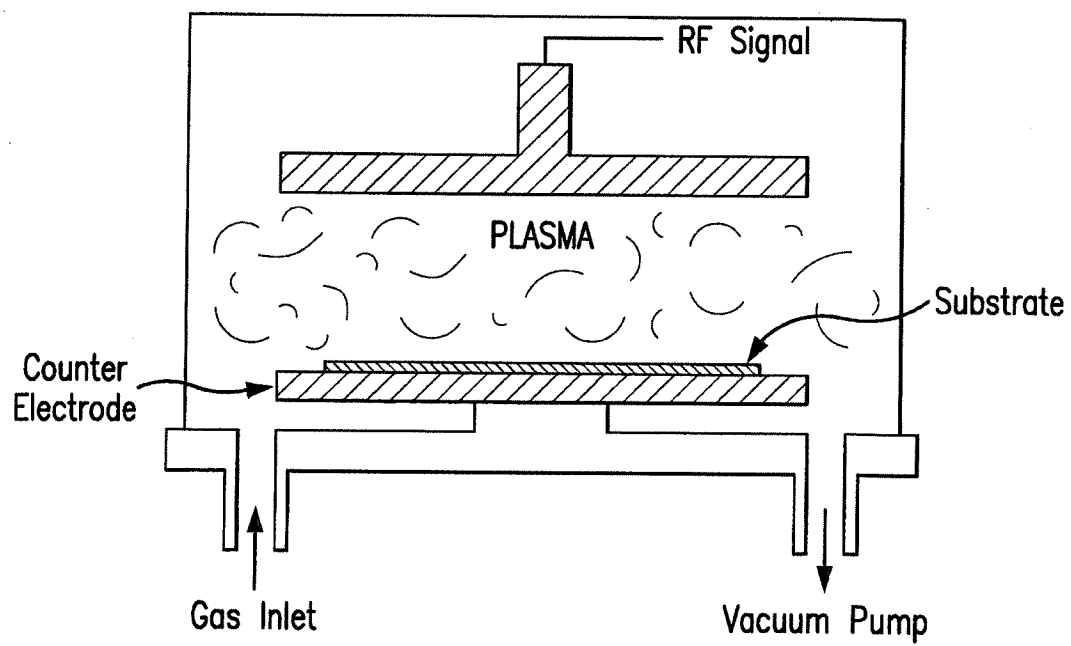


FIG. 7

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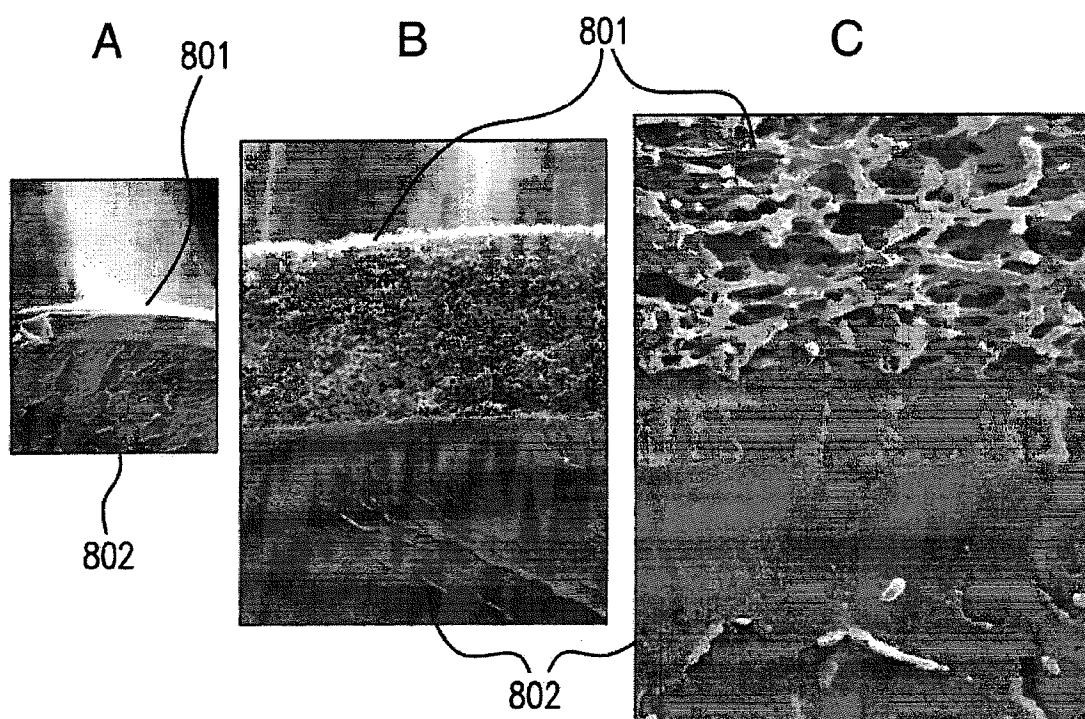


FIG. 8

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FIG. 9

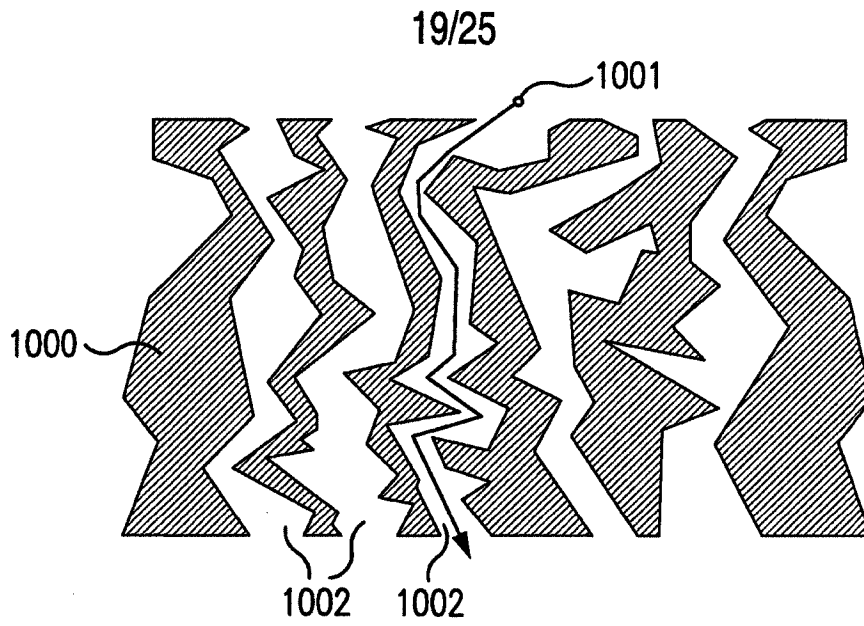


FIG. 10A

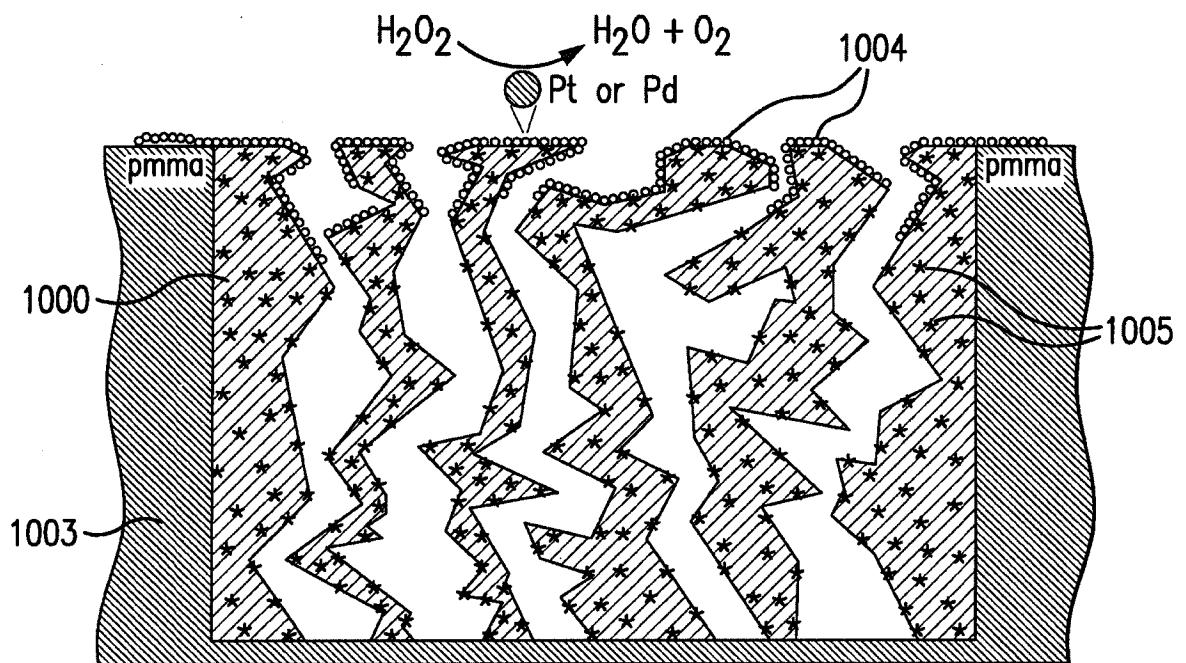


FIG. 10B

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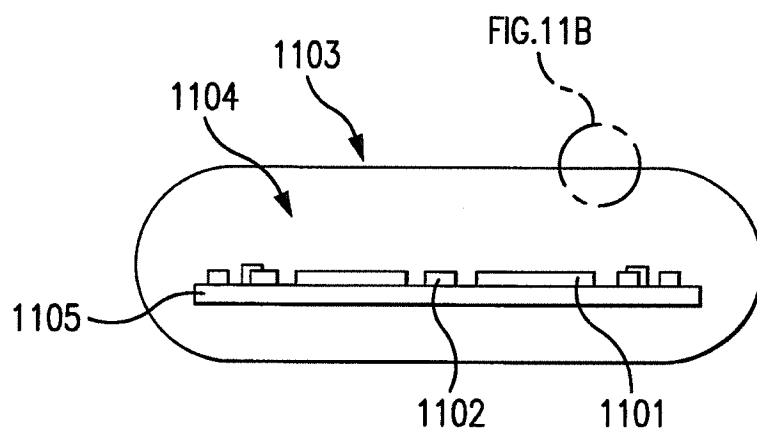


FIG. 11A

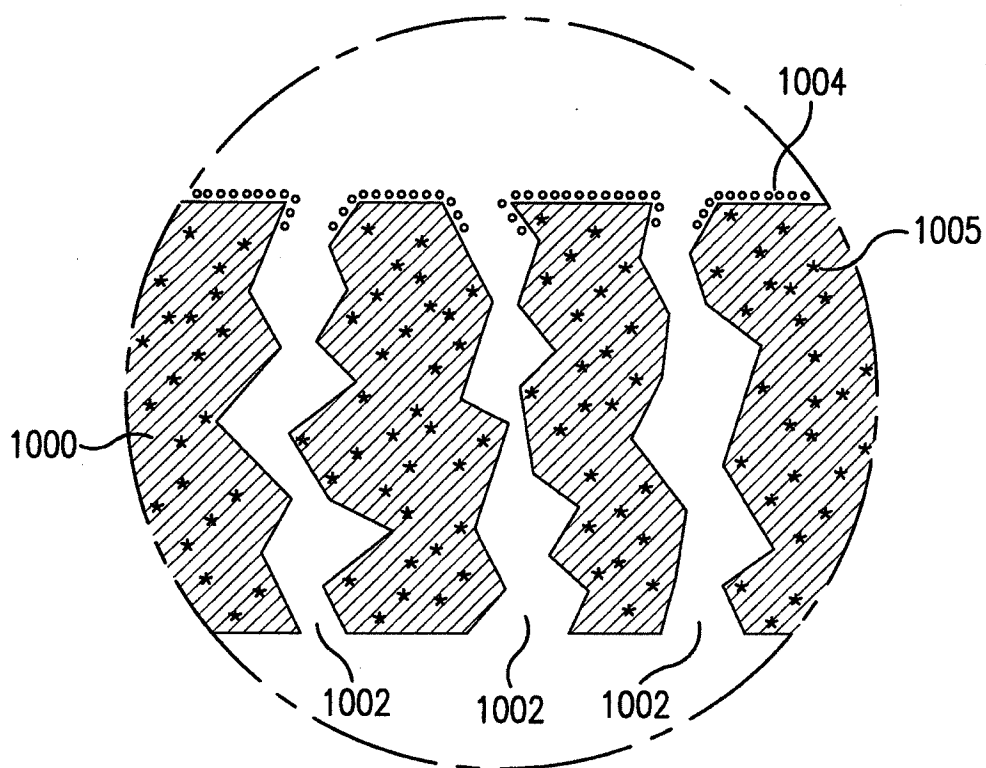


FIG. 11B

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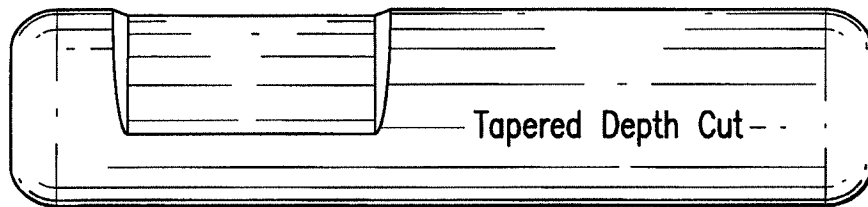


FIG. 12A

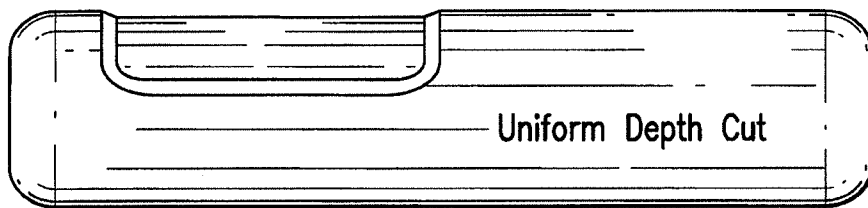


FIG. 12B

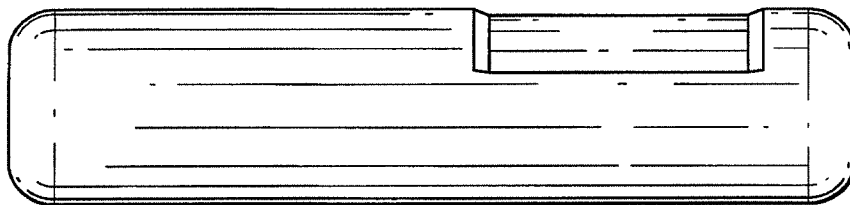


FIG. 12C

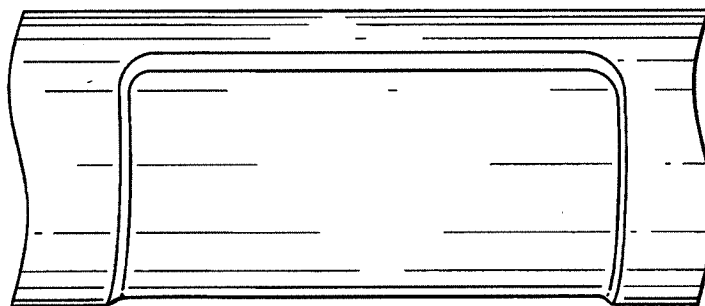
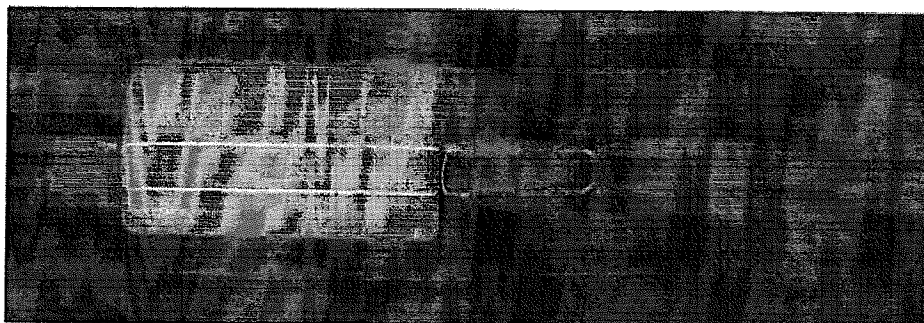


FIG. 12D

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Saddle cut graft encasement

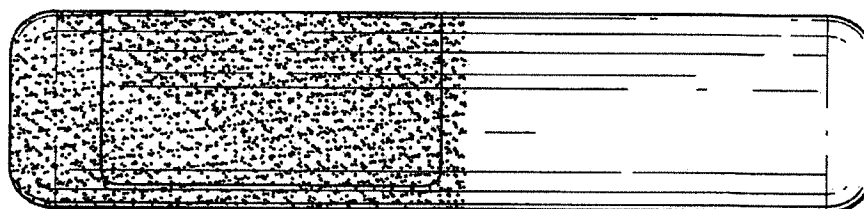
FIG. 13



Full cut graft encasement

FIG. 14

Sputtered saddle cut graft concept



Saddle cut graft encasement

FIG. 15

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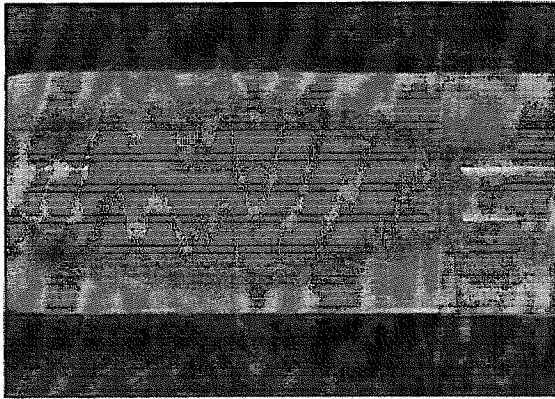


FIG. 16A

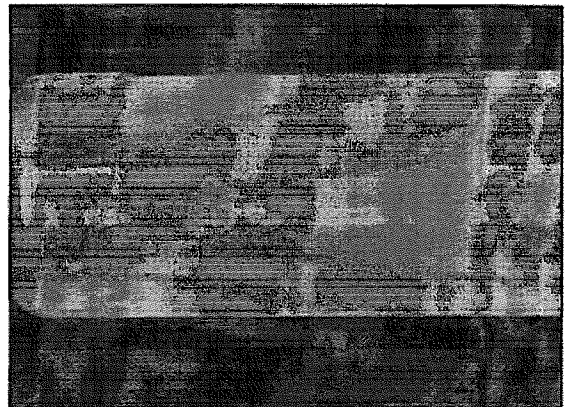


FIG. 16B

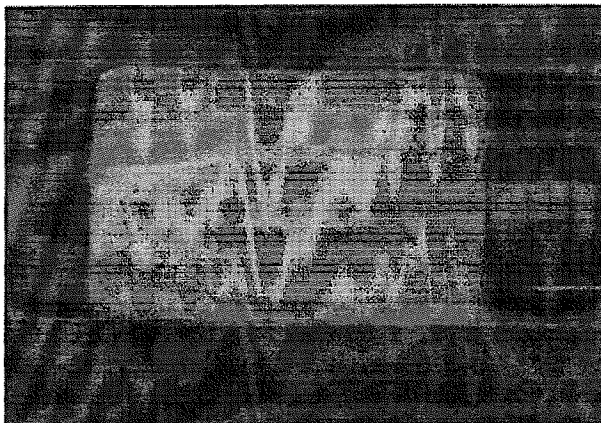
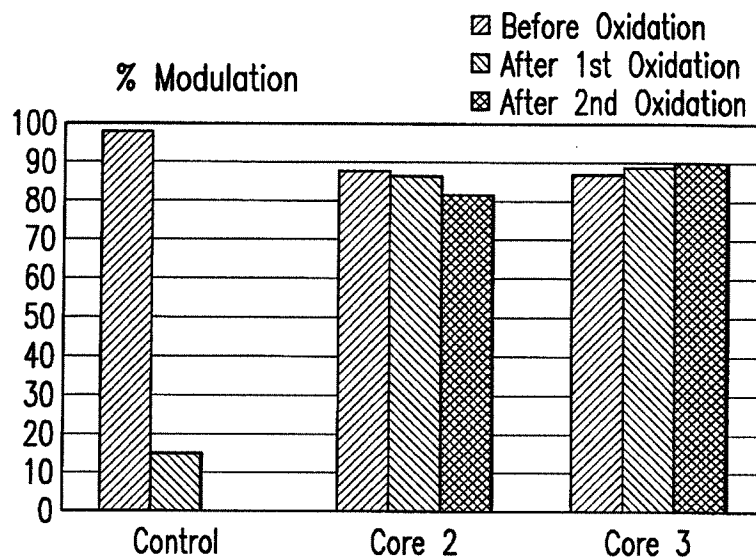


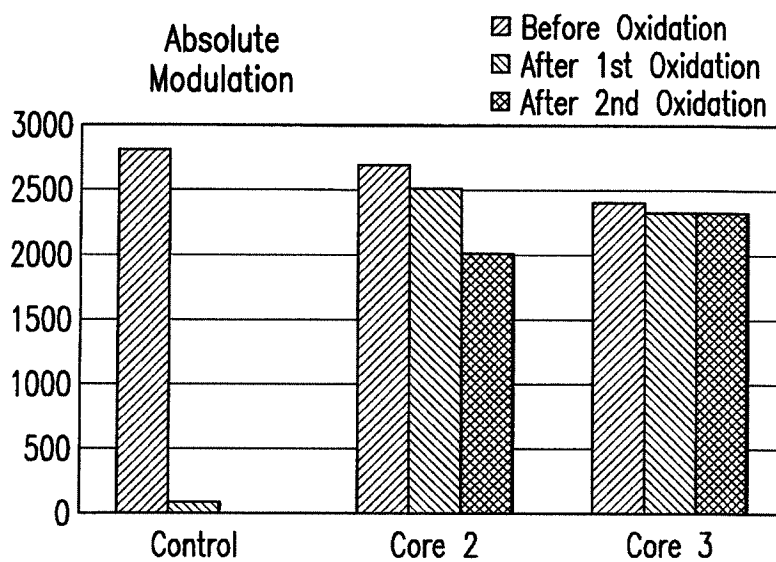
FIG. 16C

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Oxidation: 0.6mL 0.2mM H₂O₂/0.14M NaCl/10mM
phosphate, pH7.4, 37°C, 24h.

FIG. 17A



Oxidation: 0.6mL 0.2mM H₂O₂/0.14M NaCl/10mM
phosphate, pH7.4, 37°C, 24h.

FIG. 17B

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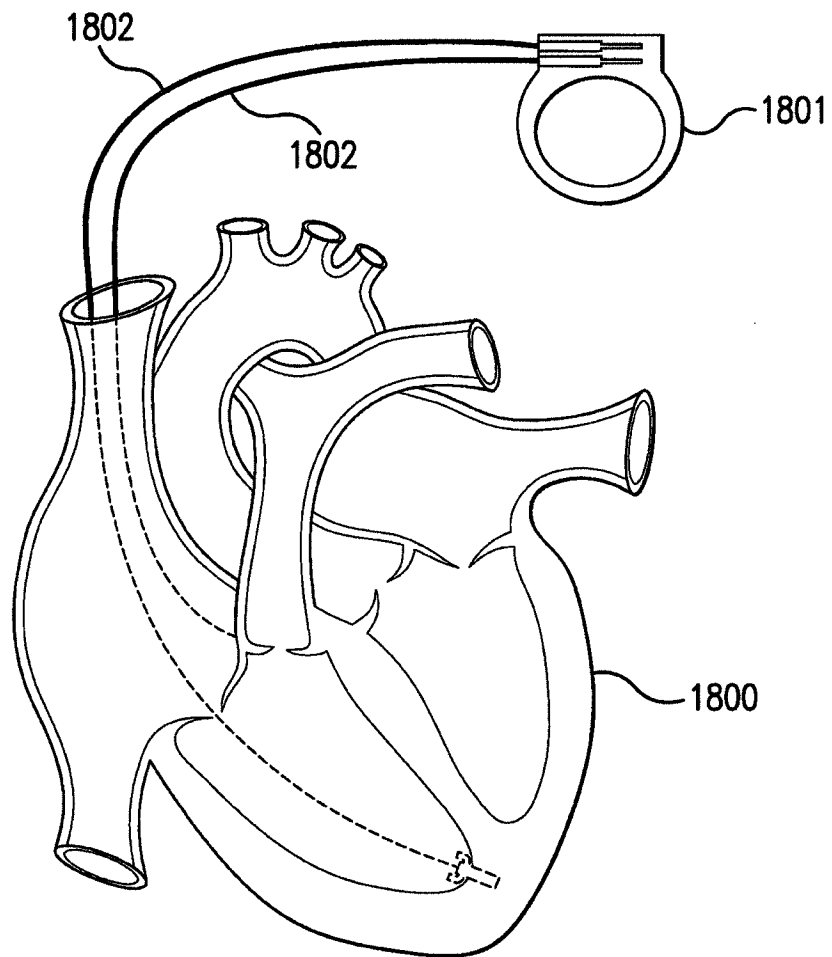


FIG. 18