

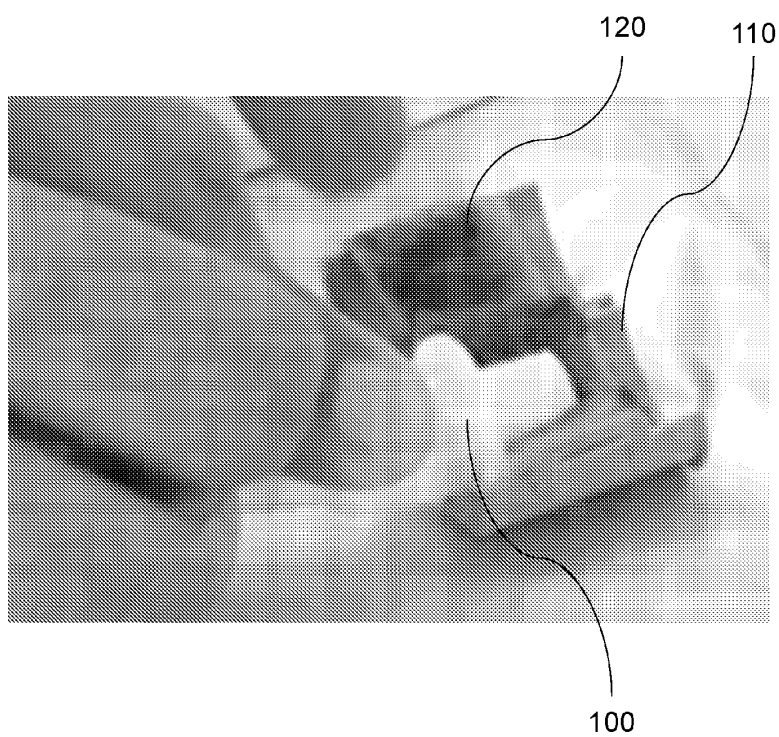


FIG. 1

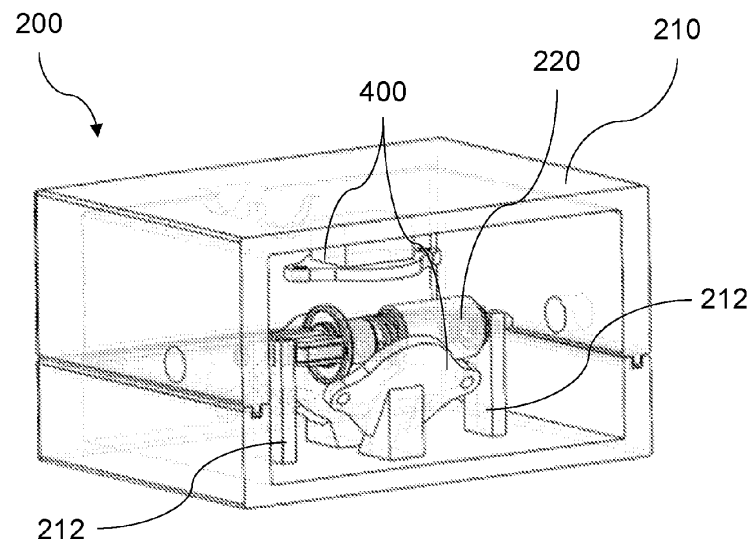


FIG. 2A

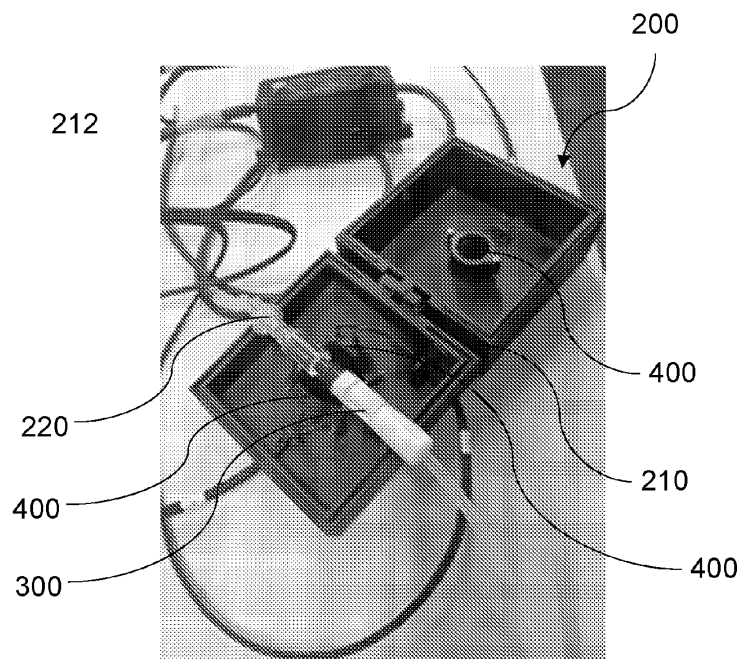


FIG. 2B

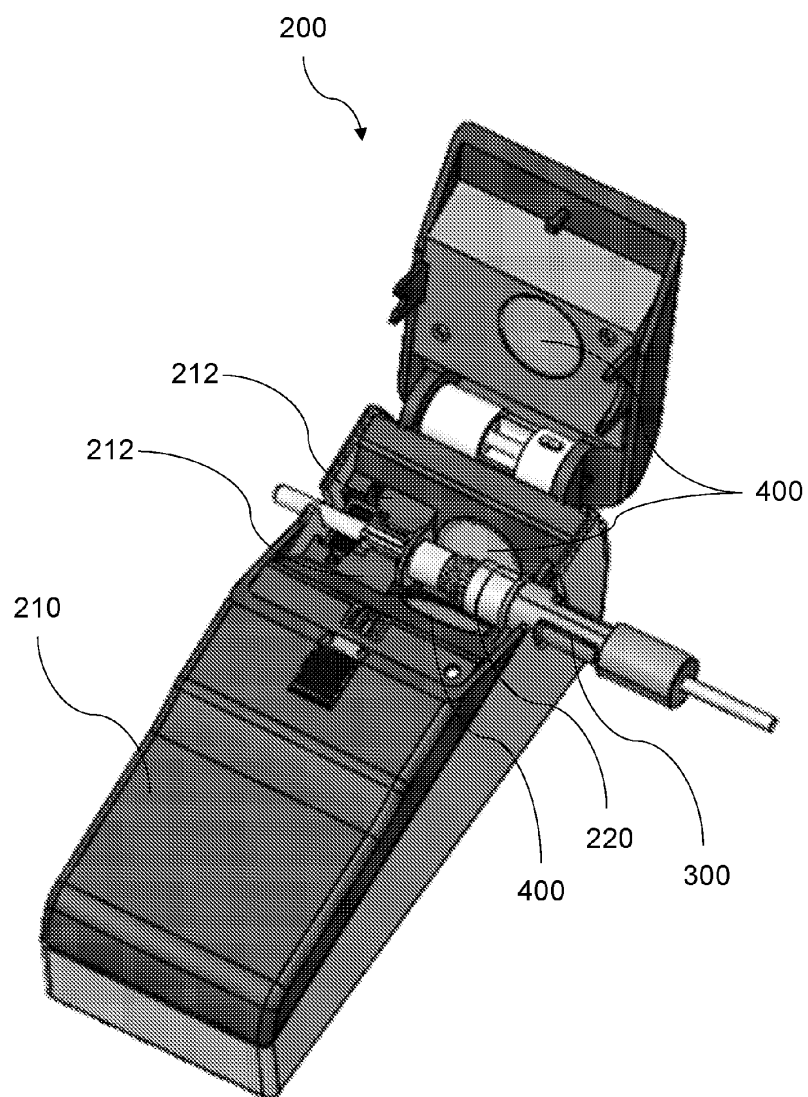


FIG. 3A

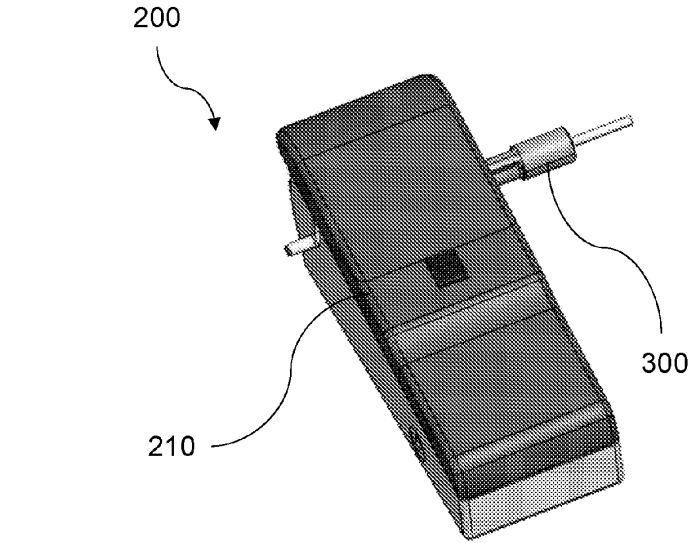


FIG. 3B

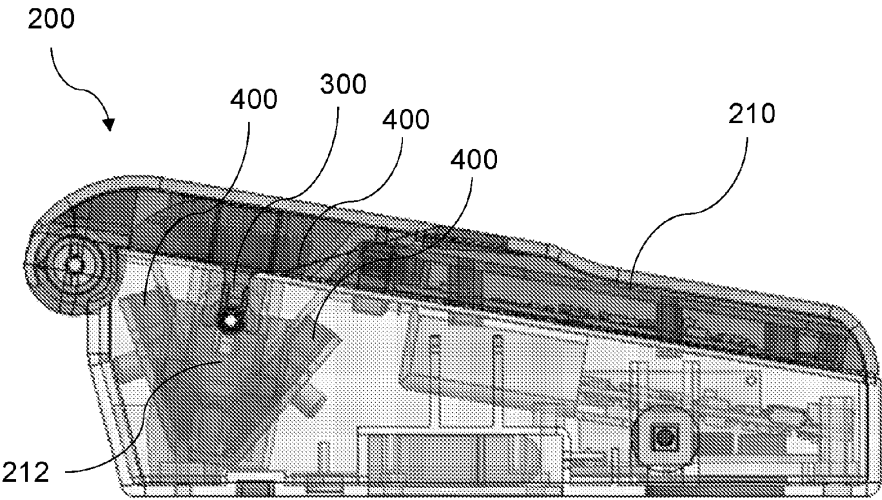


FIG. 3C

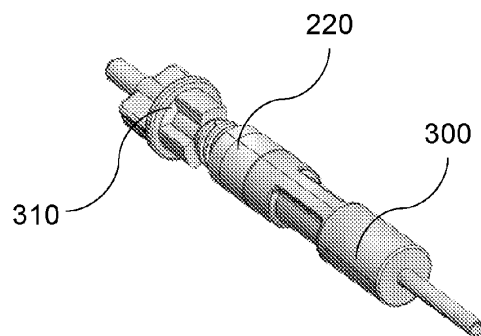


FIG. 4A

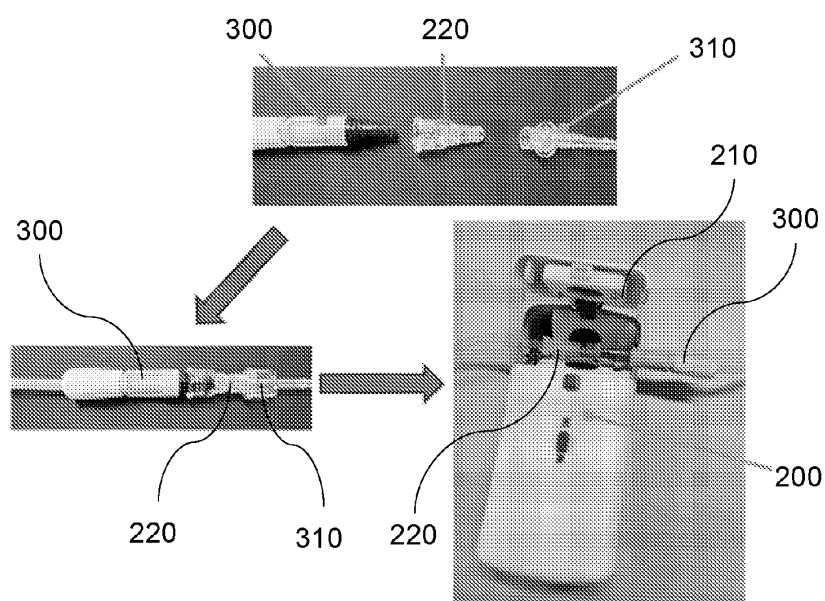


FIG. 4B

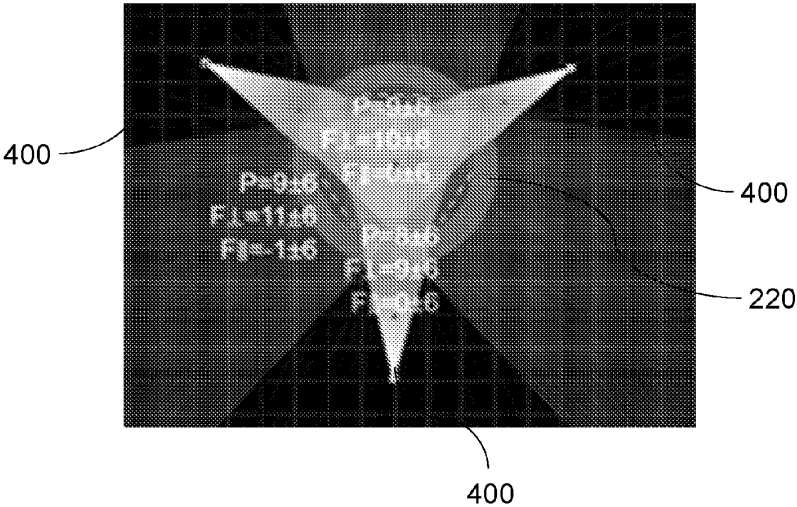


FIG. 5A

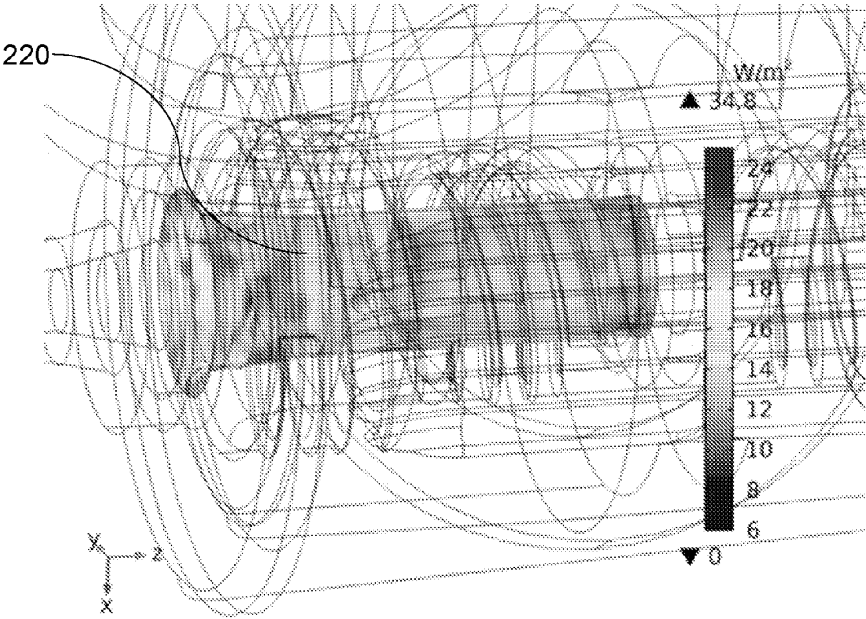


FIG. 5B

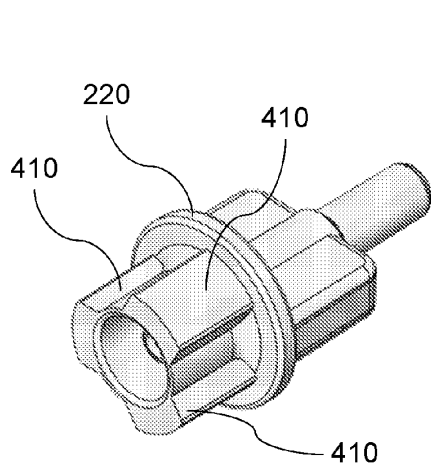


FIG. 5C

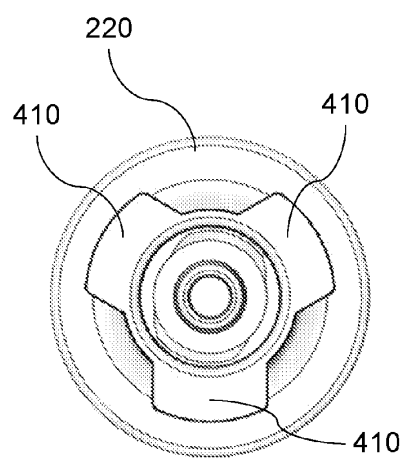


FIG. 5D

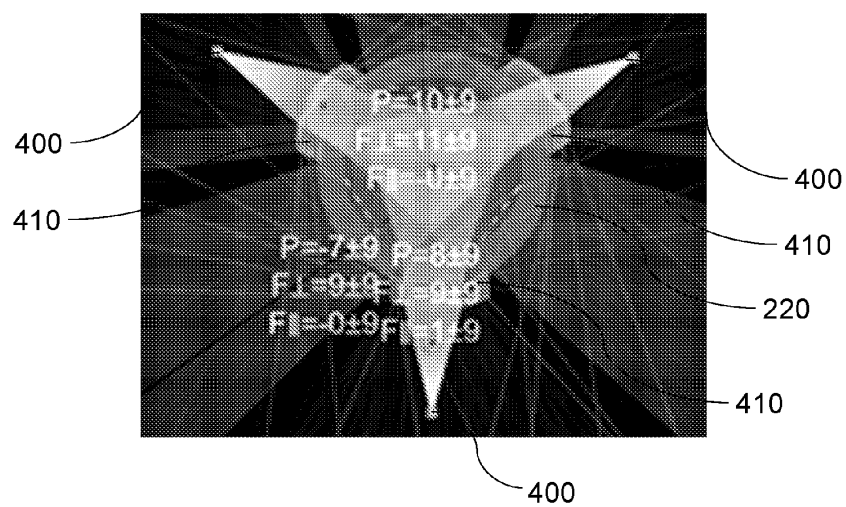


FIG. 5E

Study 1: *Staphylococcus aureus* bacterium

Duration	Microbial estimate	Logarithmic value	Logarithmic reduction
Initial	5.9 million CFU	6.77	-
30 seconds exposure	2400 CFU	3.38	3.39
90 seconds exposure	< 100	< 2	> 4.77

FIG. 6A

Study 2: *Staphylococcus aureus* bacterium

Duration	Microbial estimate	Logarithmic value	Logarithmic reduction
Initial	60 million CFU	7.78	-
90 seconds exposure	2400 CFU	4.08	3.70
120 seconds exposure	10	1.00	6.78

FIG. 6B

Study 3: *Pseudomonas aeruginosa* bacterium

Duration	Microbial estimate	Logarithmic value	Logarithmic reduction
Initial	110 million CFU	8.04	-
90 seconds exposure	1100 CFU	3.04	5.00
120 seconds exposure	60	1.78	6.26

FIG. 6C

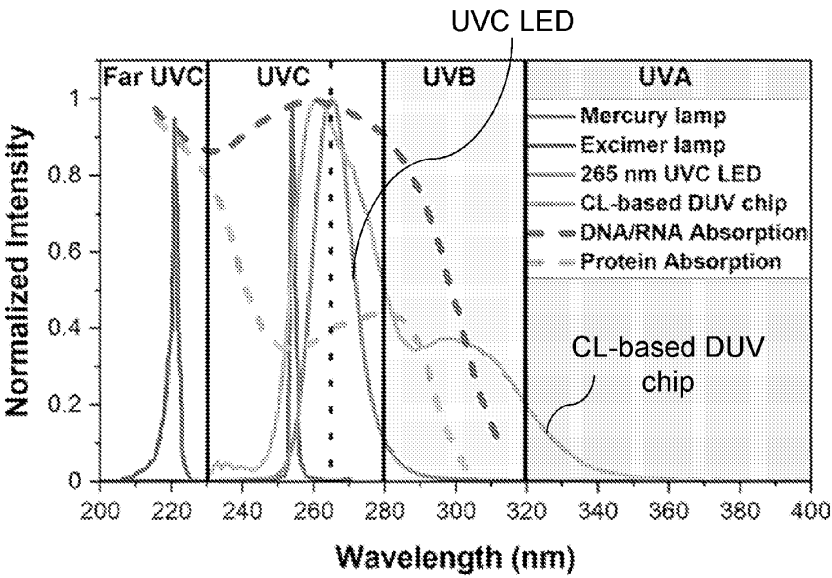


FIG. 7A

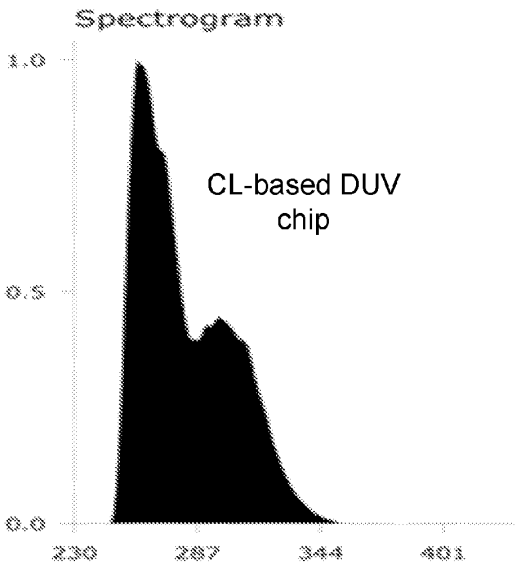


FIG. 7B

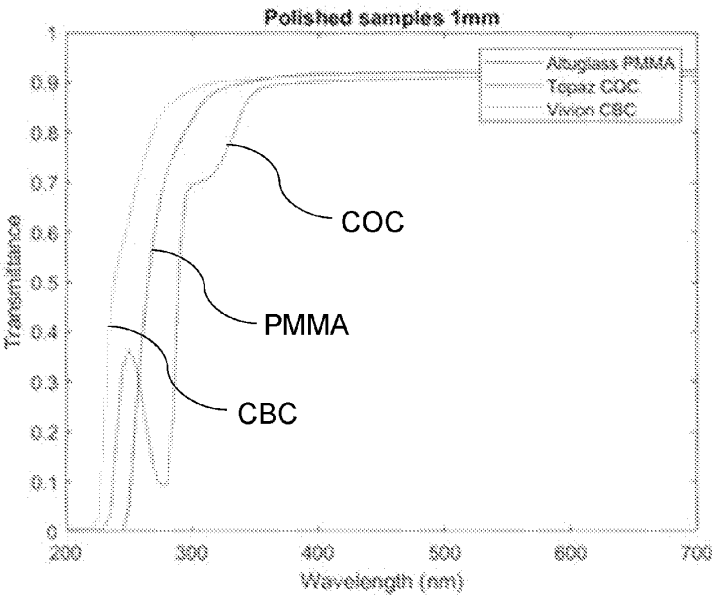


FIG. 8A

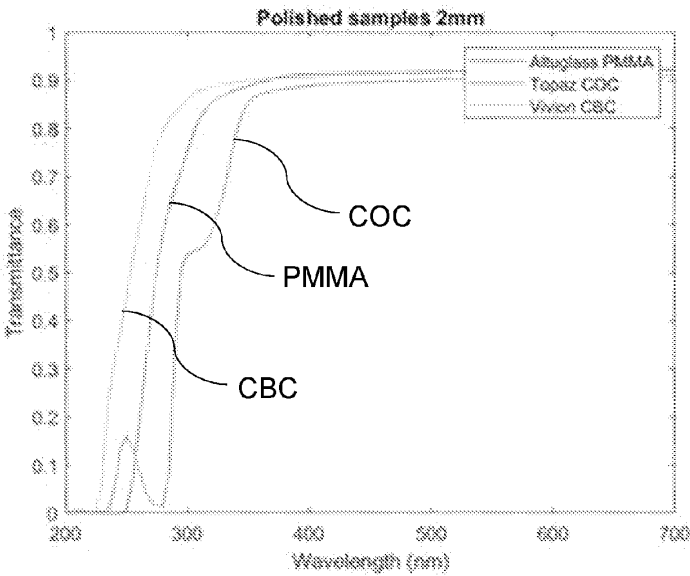


FIG. 8B

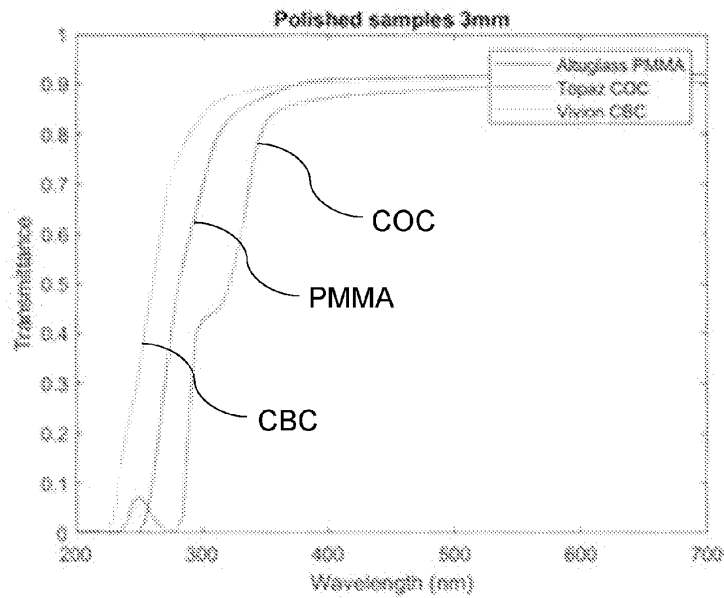


FIG. 8C

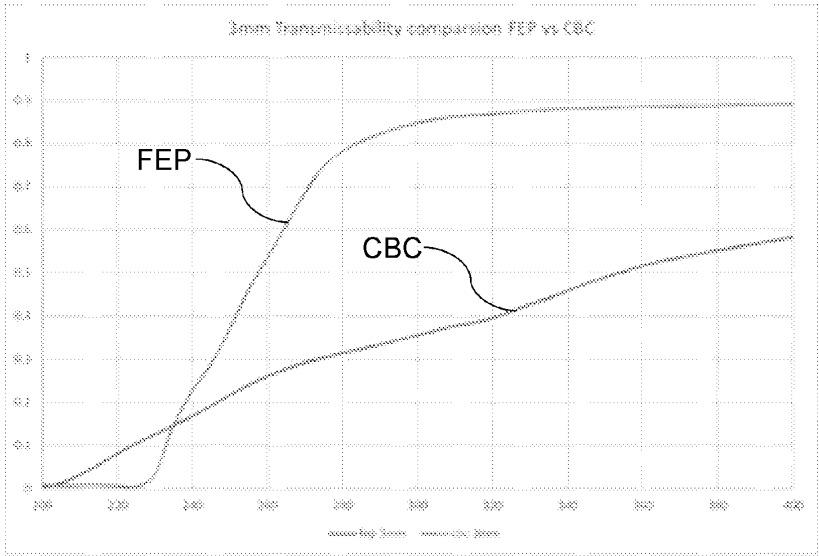


FIG. 8D

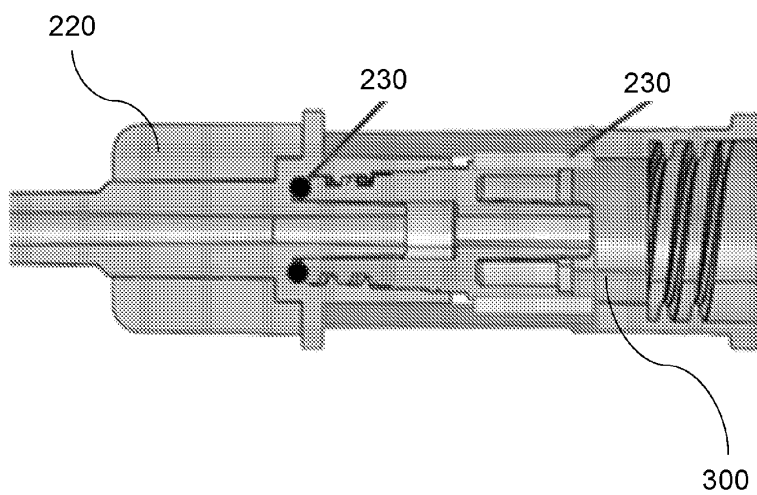


FIG. 9