

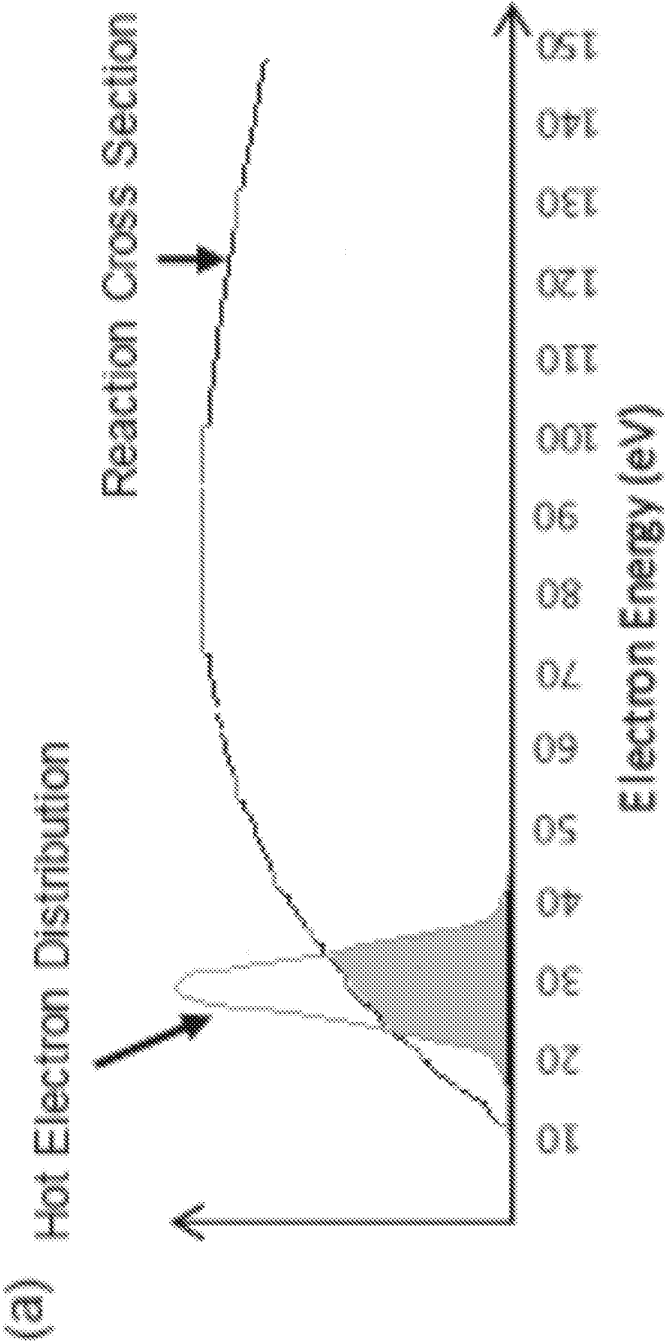


FIG. 1A

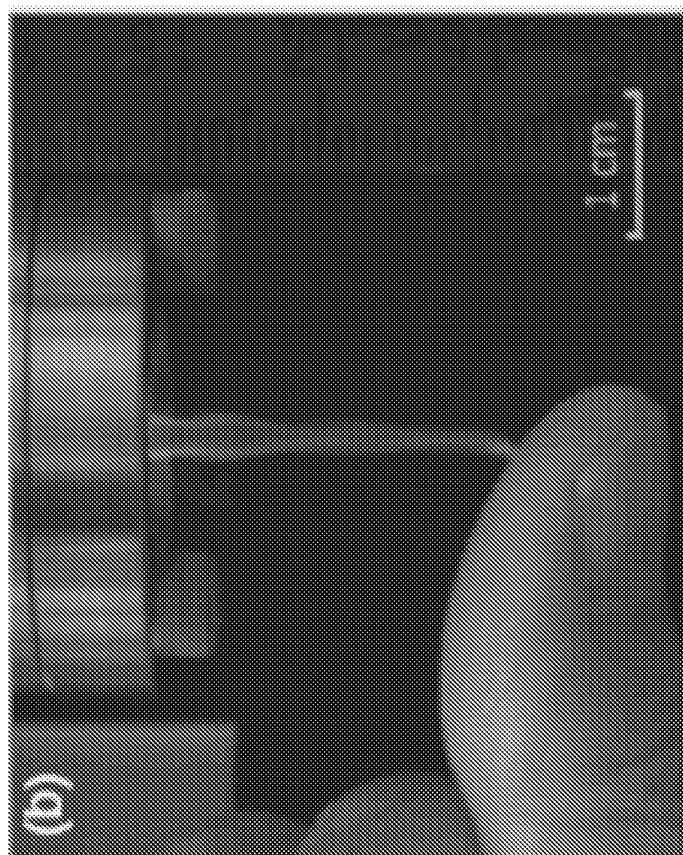


FIG. 1B

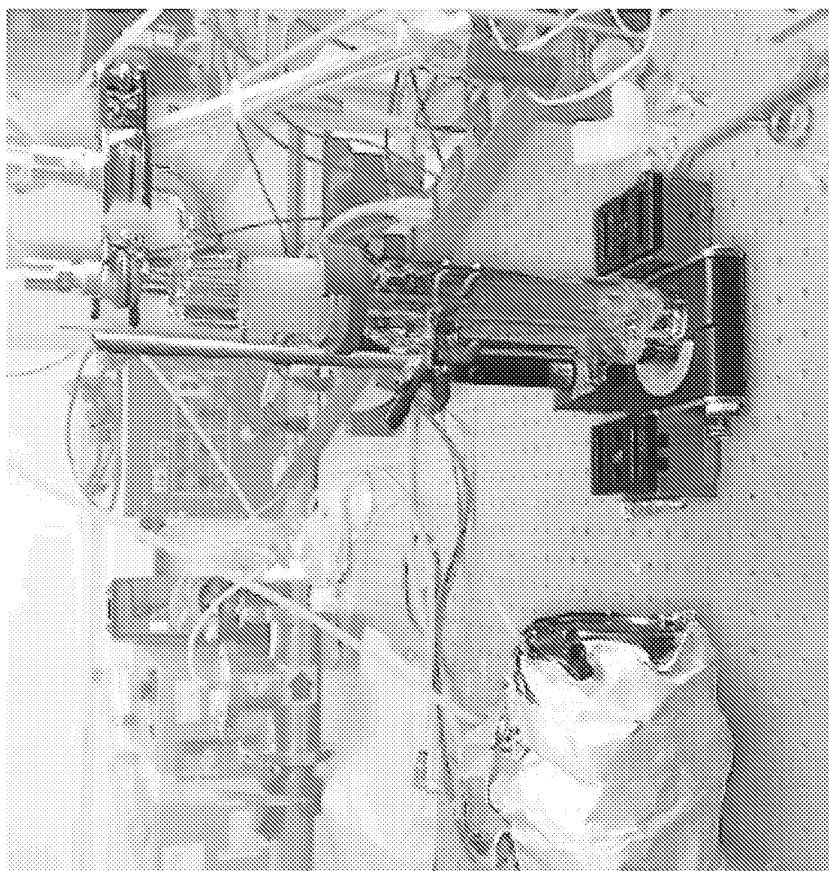


FIG. 2A

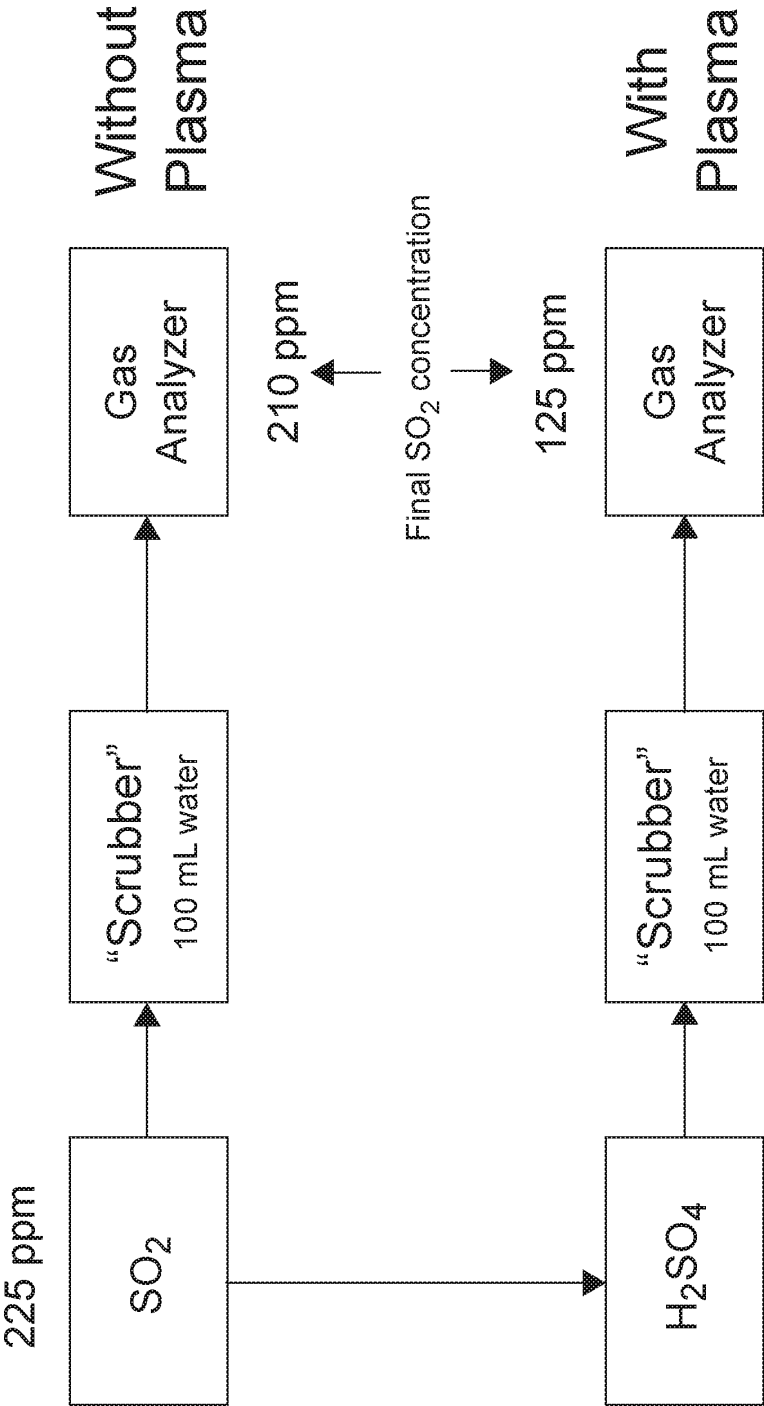


FIG. 2B

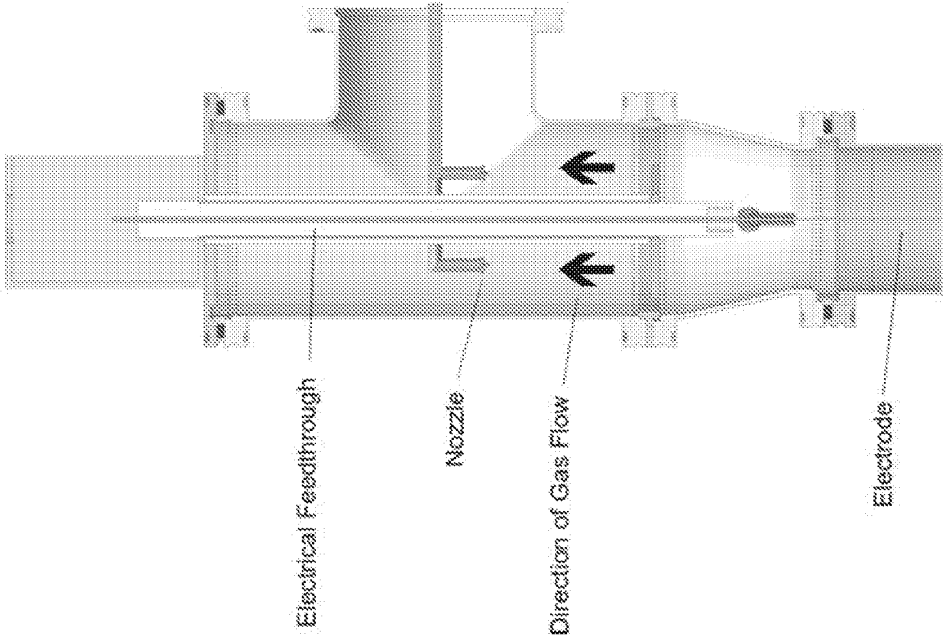


FIG. 3

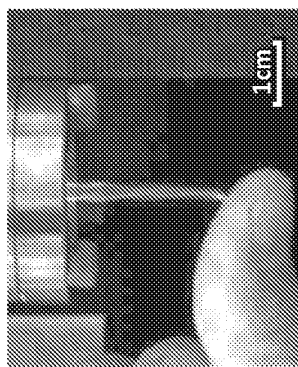


FIG. 4C

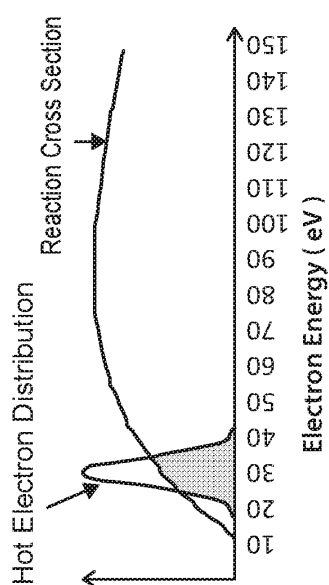


FIG. 4B

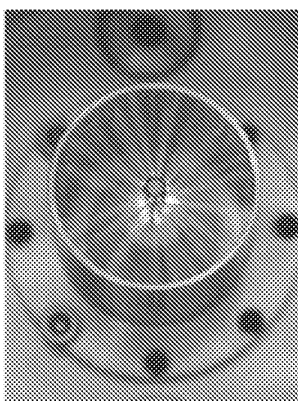


FIG. 4A

FIG. 5A

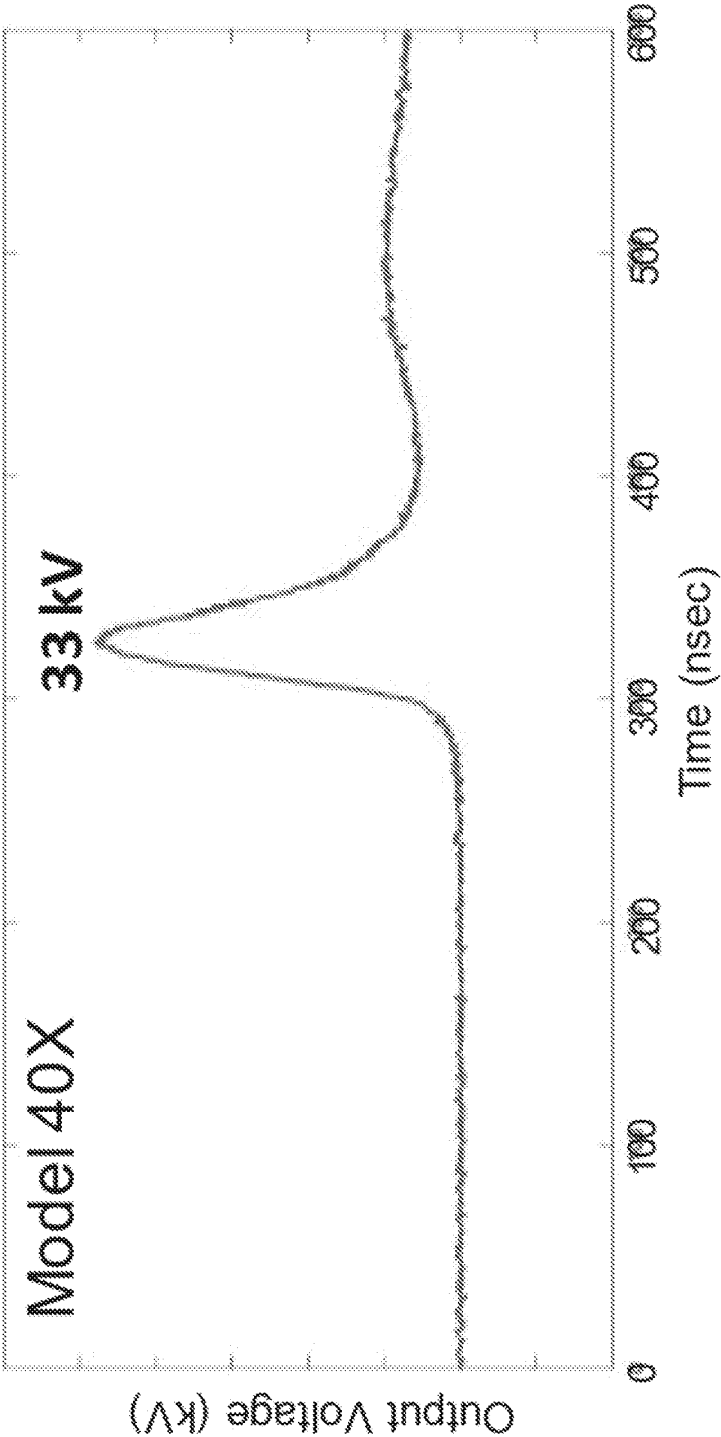
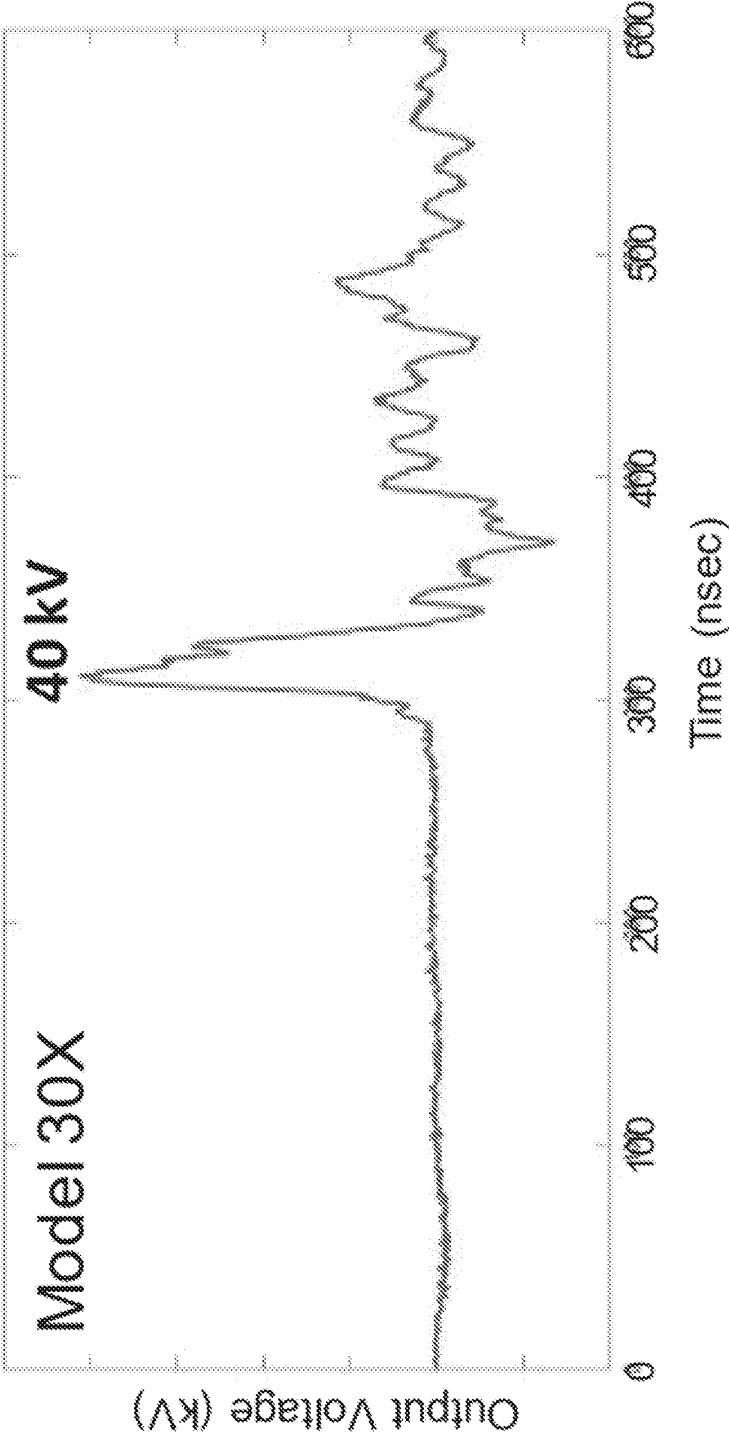


FIG. 5B



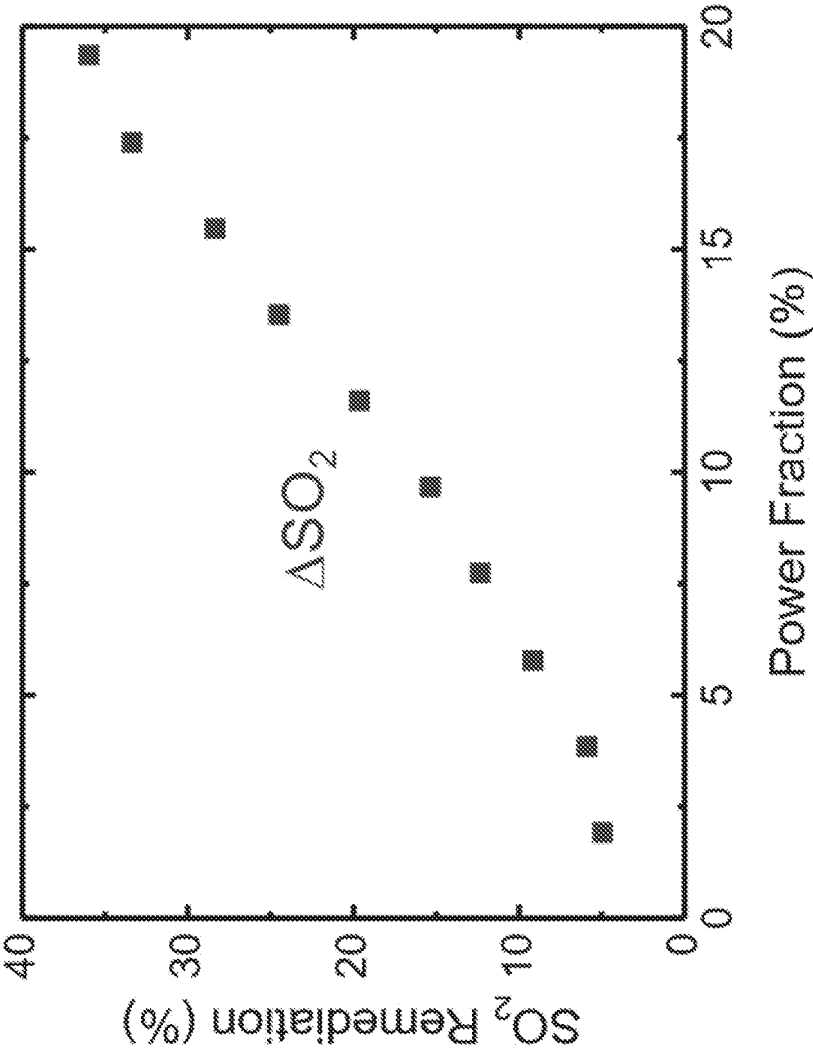


FIG. 6

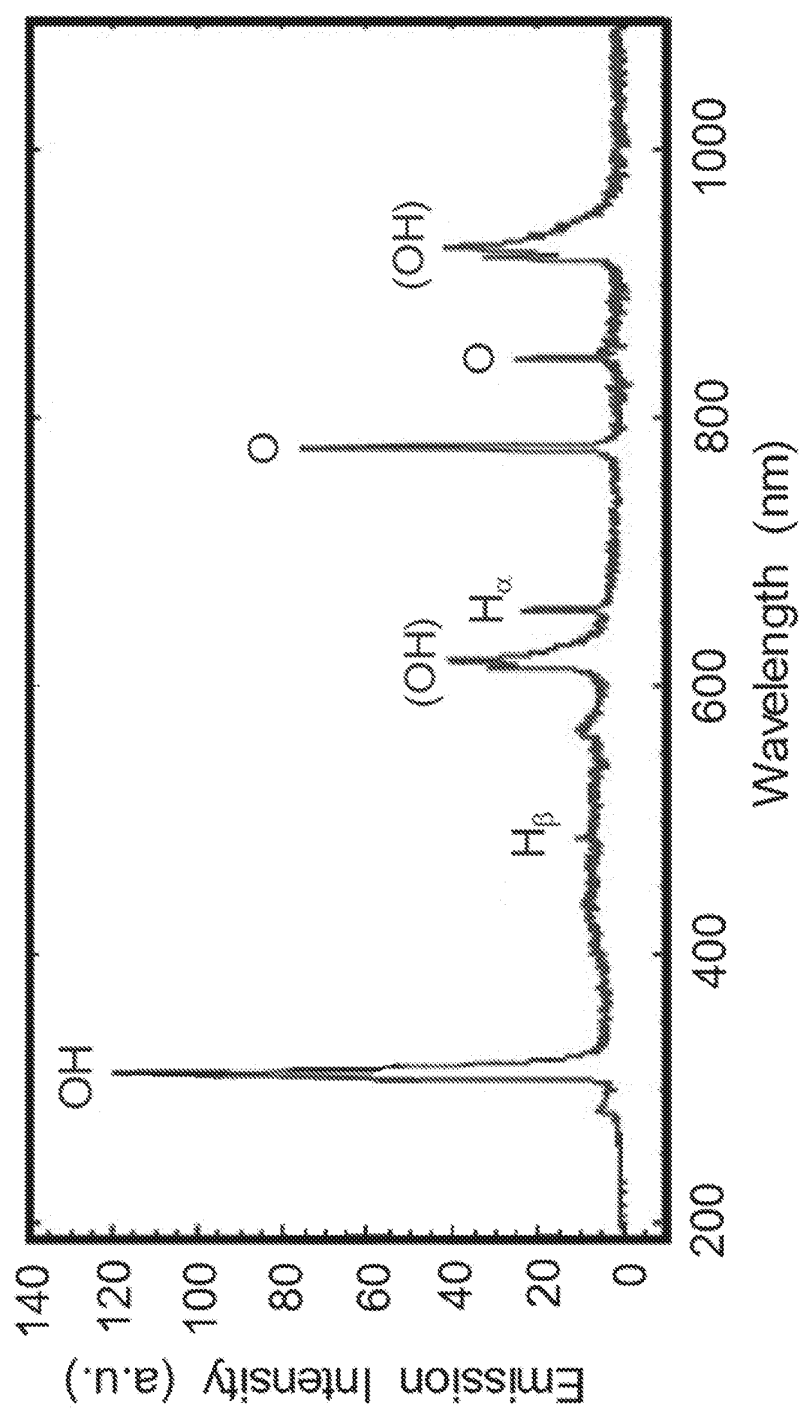
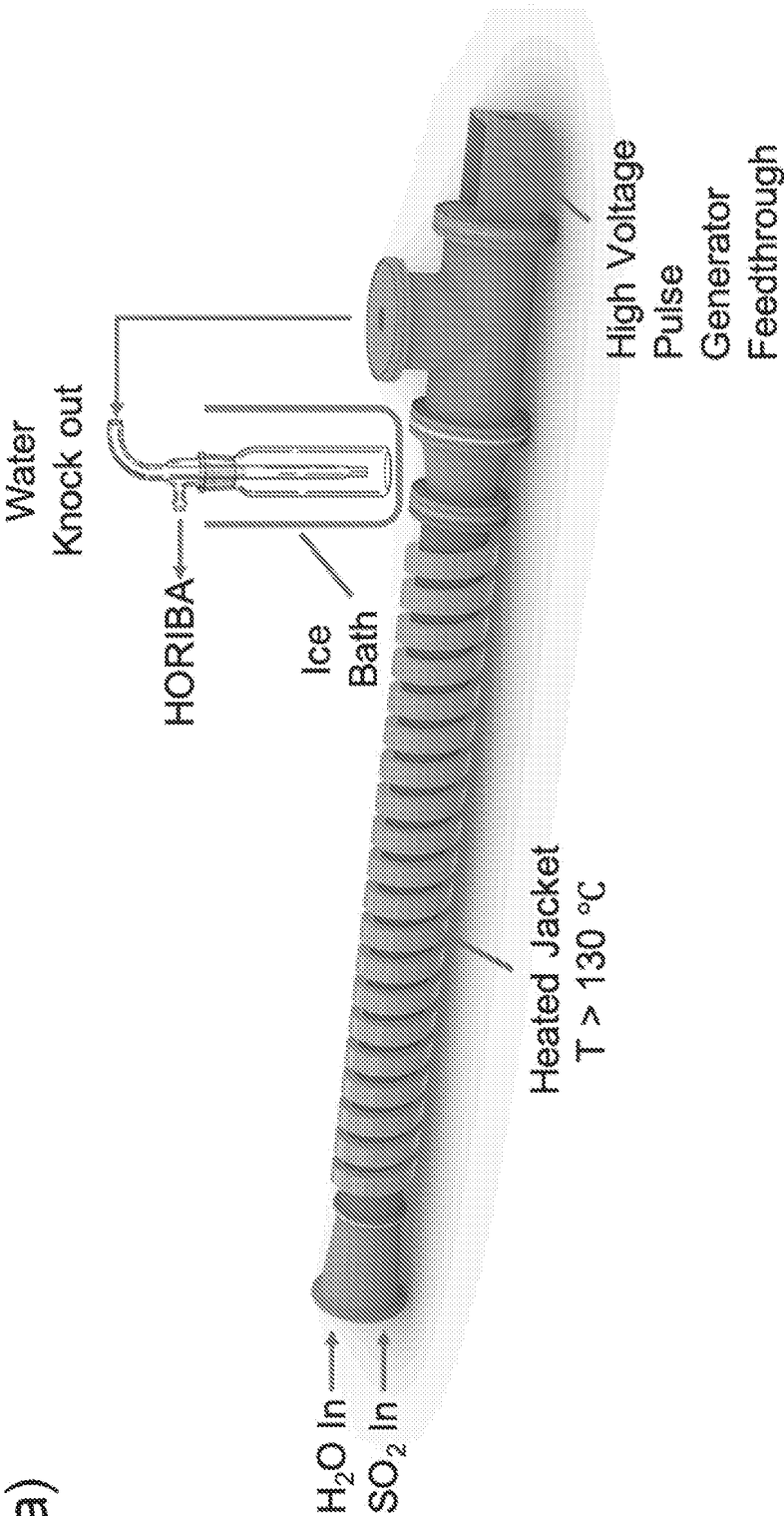


FIG. 7

FIG. 8A

(a)



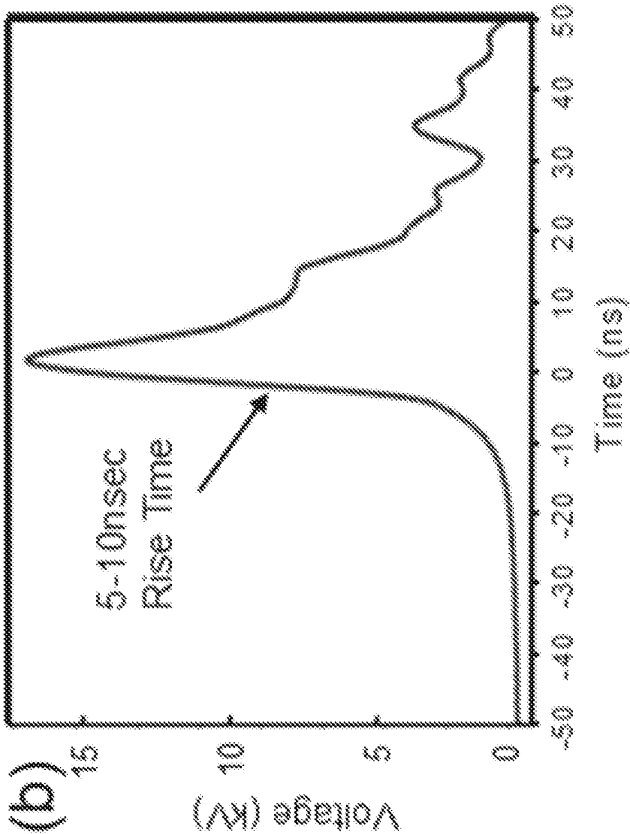
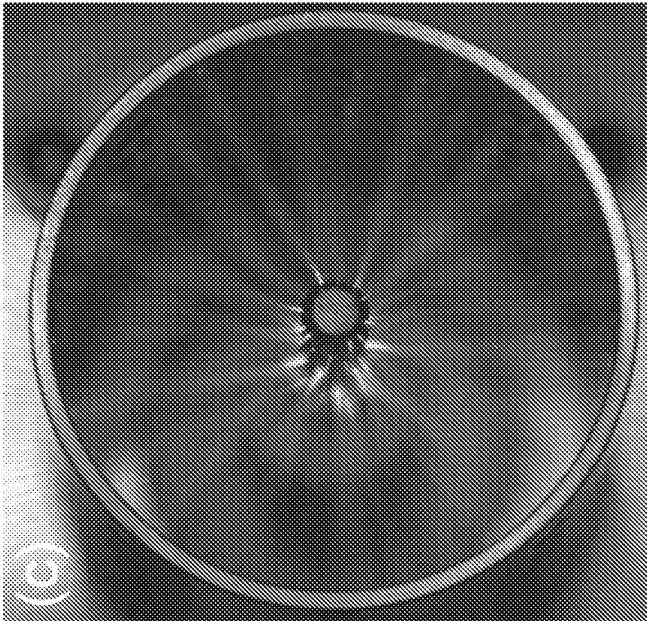


FIG. 8B – FIG. 8C

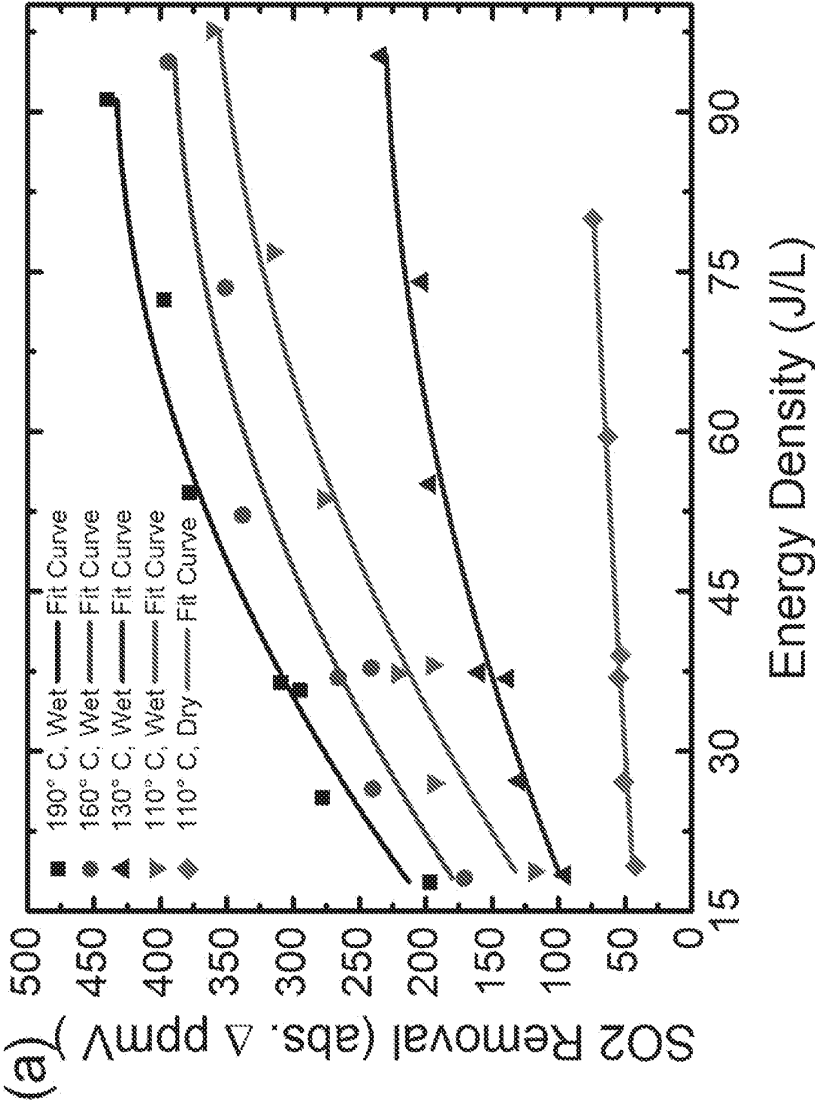


FIG. 9A

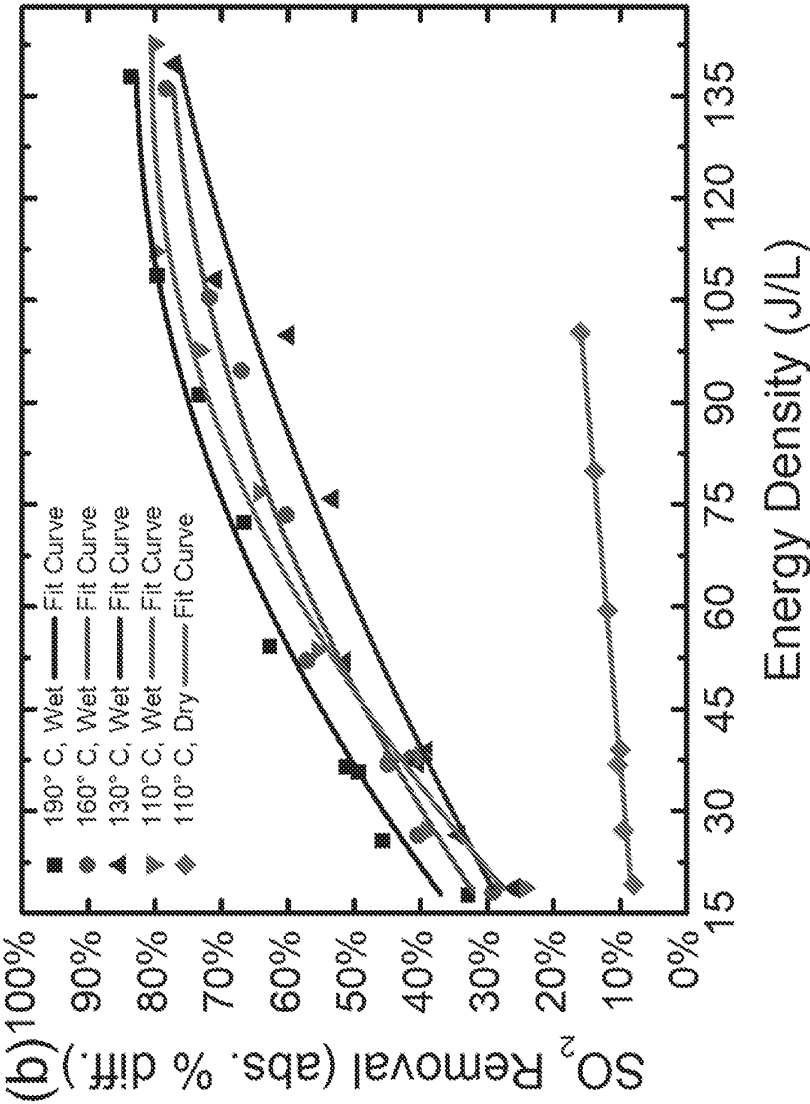


FIG. 9B

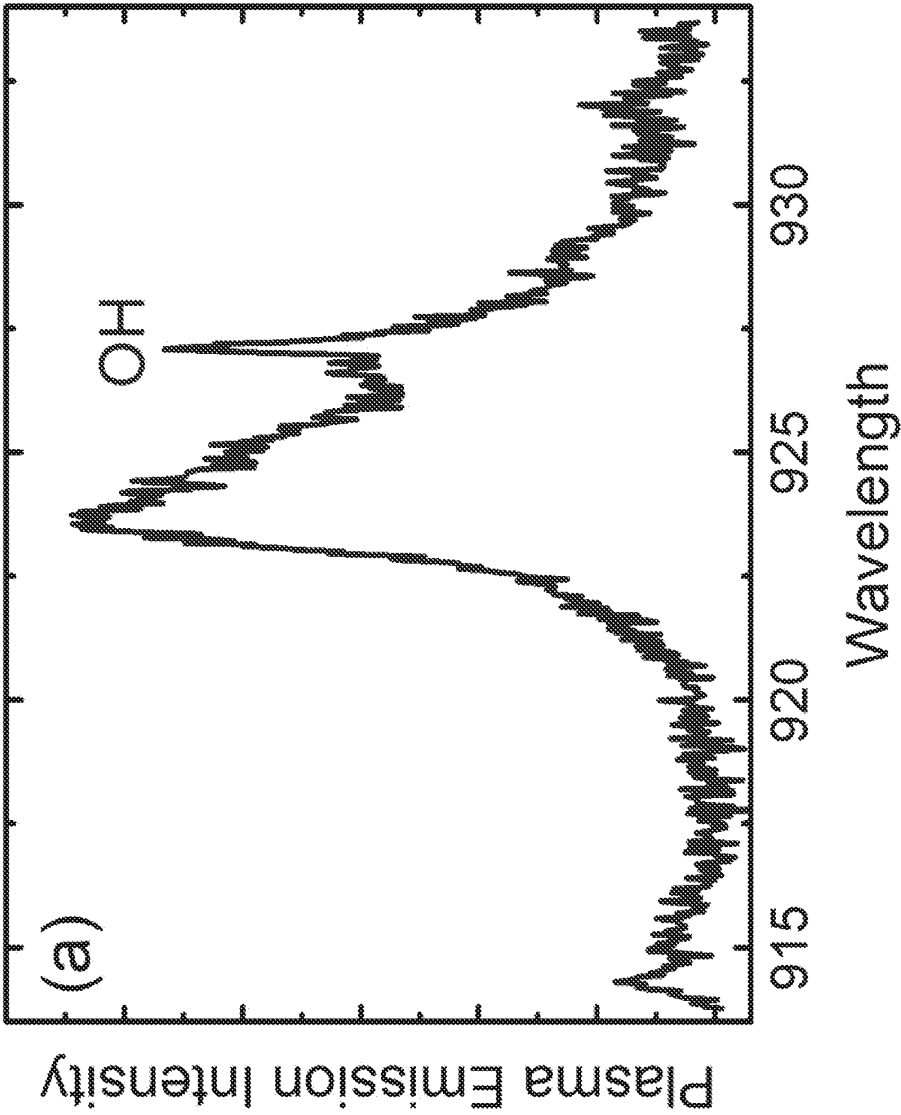


FIG. 10A

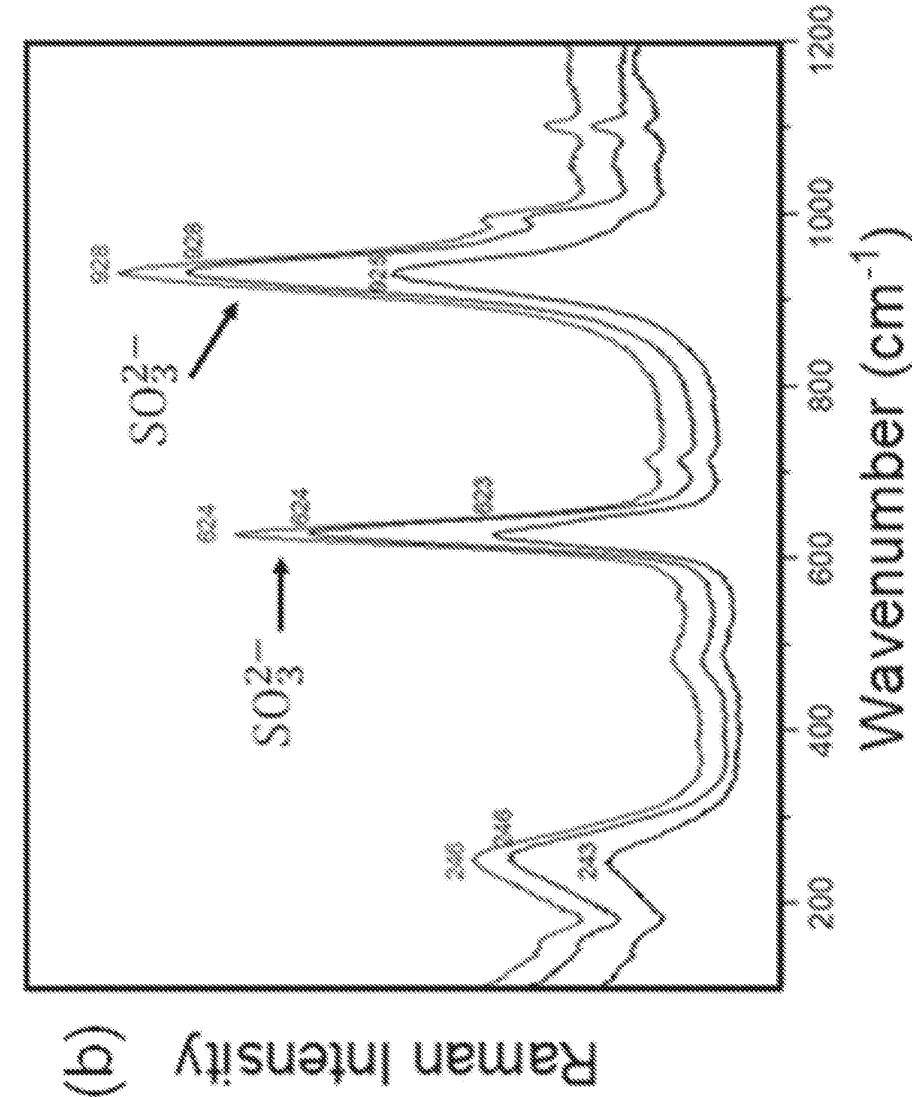
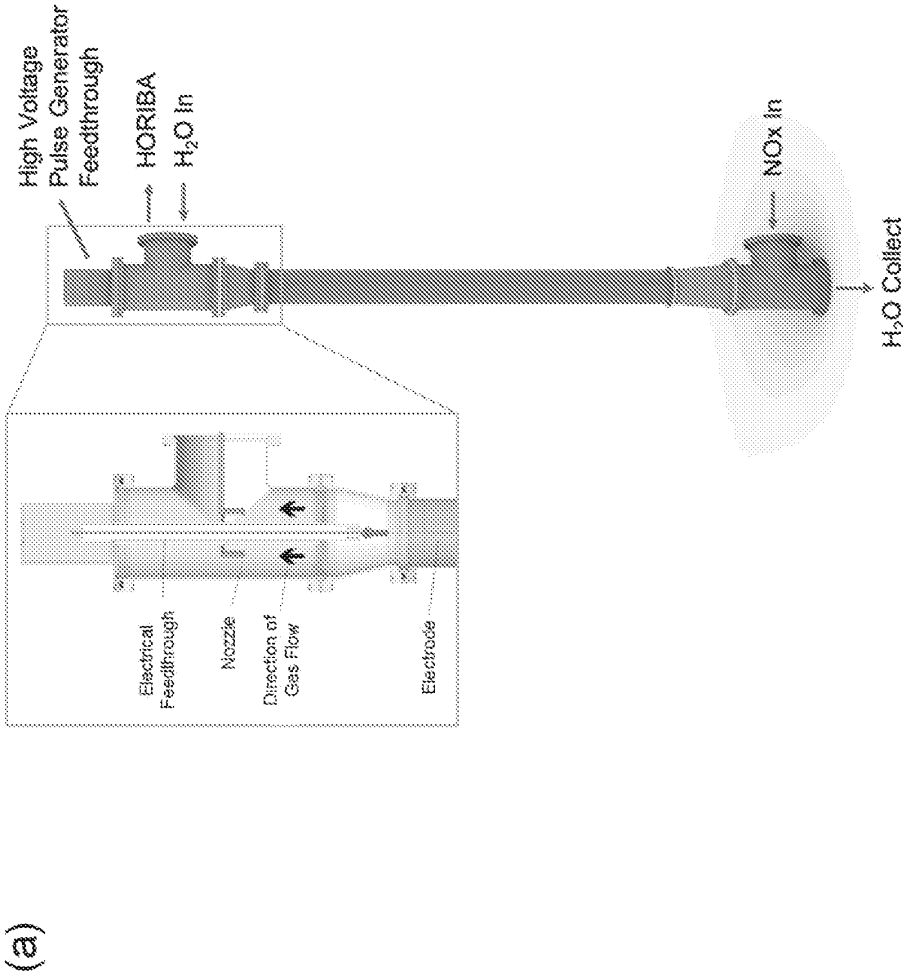


FIG. 10B

FIG. 11A



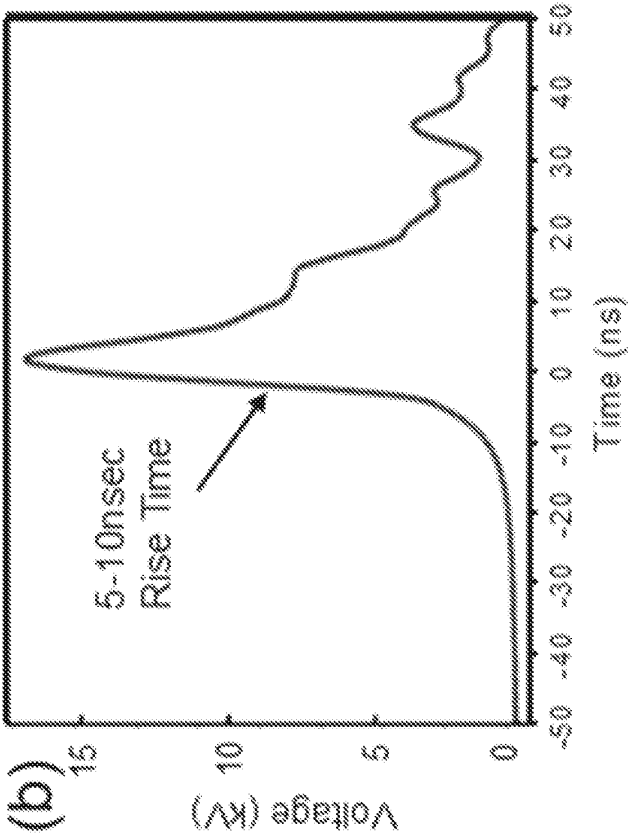
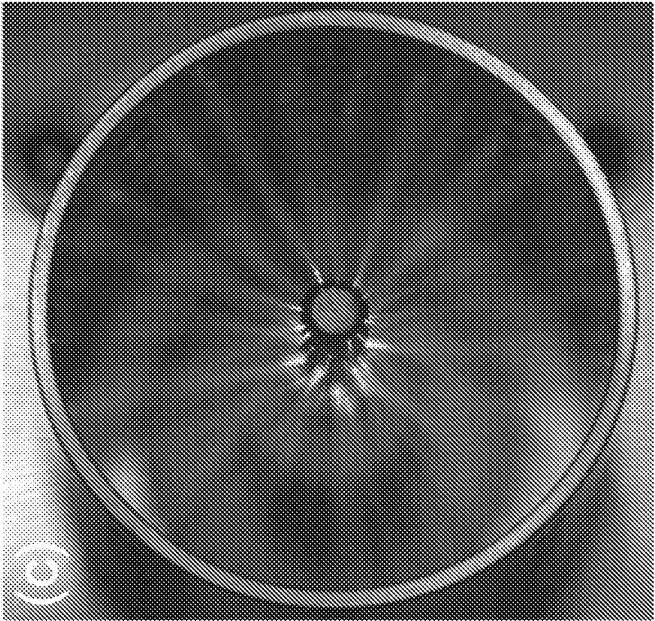
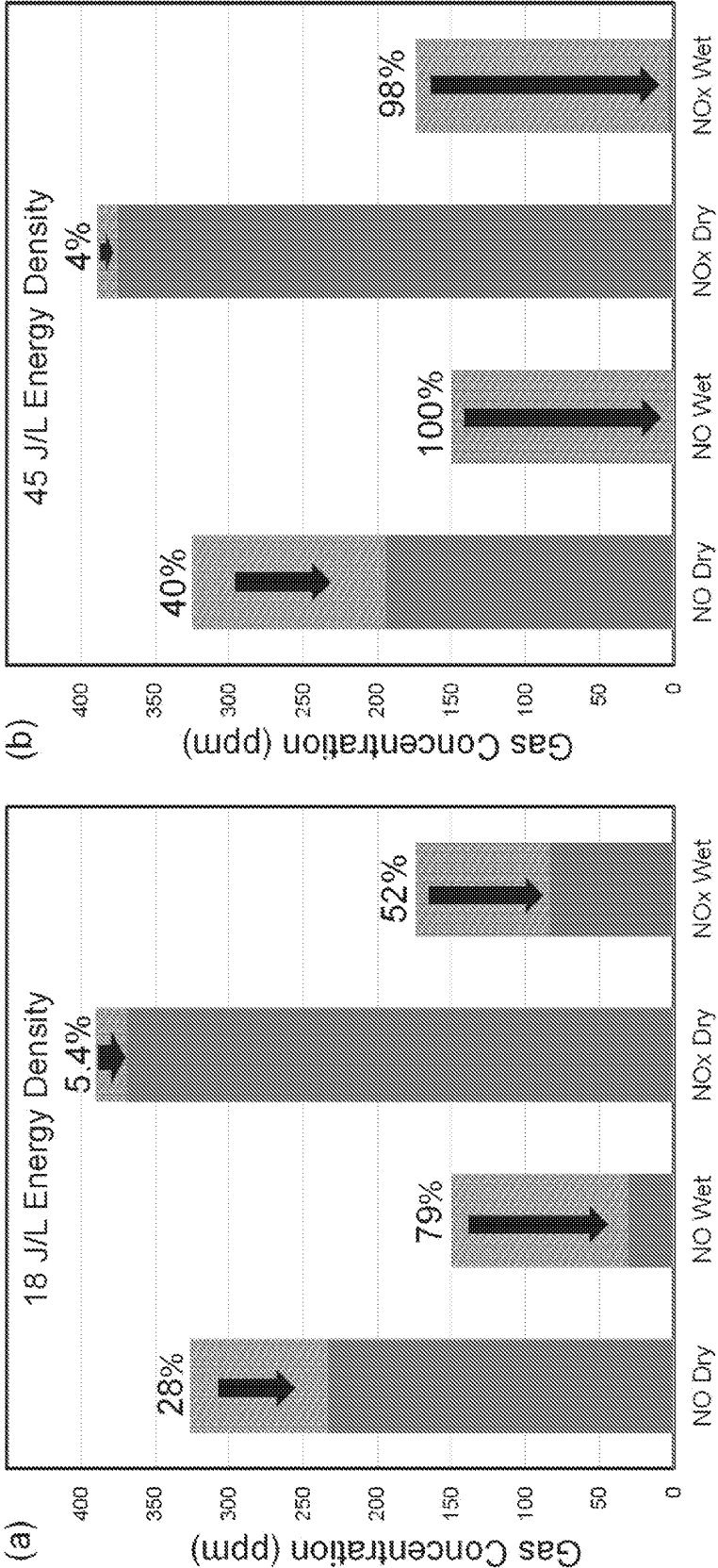


FIG. 11B – FIG. 11C

FIG. 12A – FIG. 12B



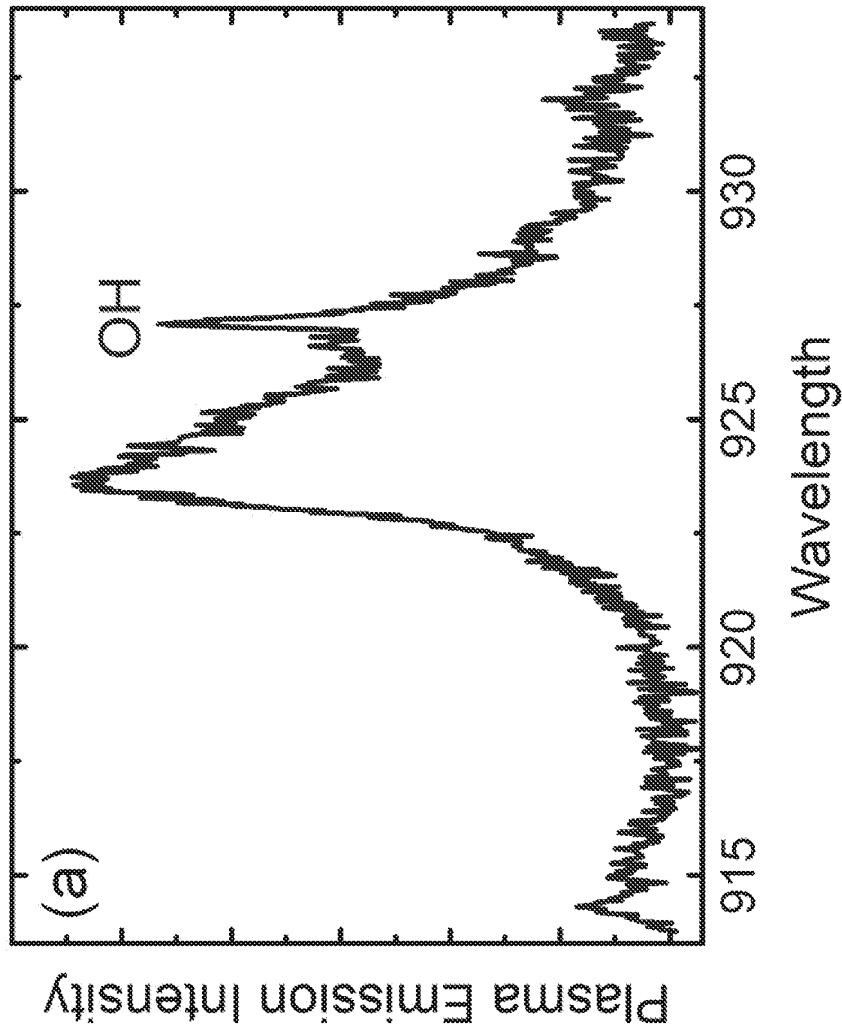


FIG. 13A

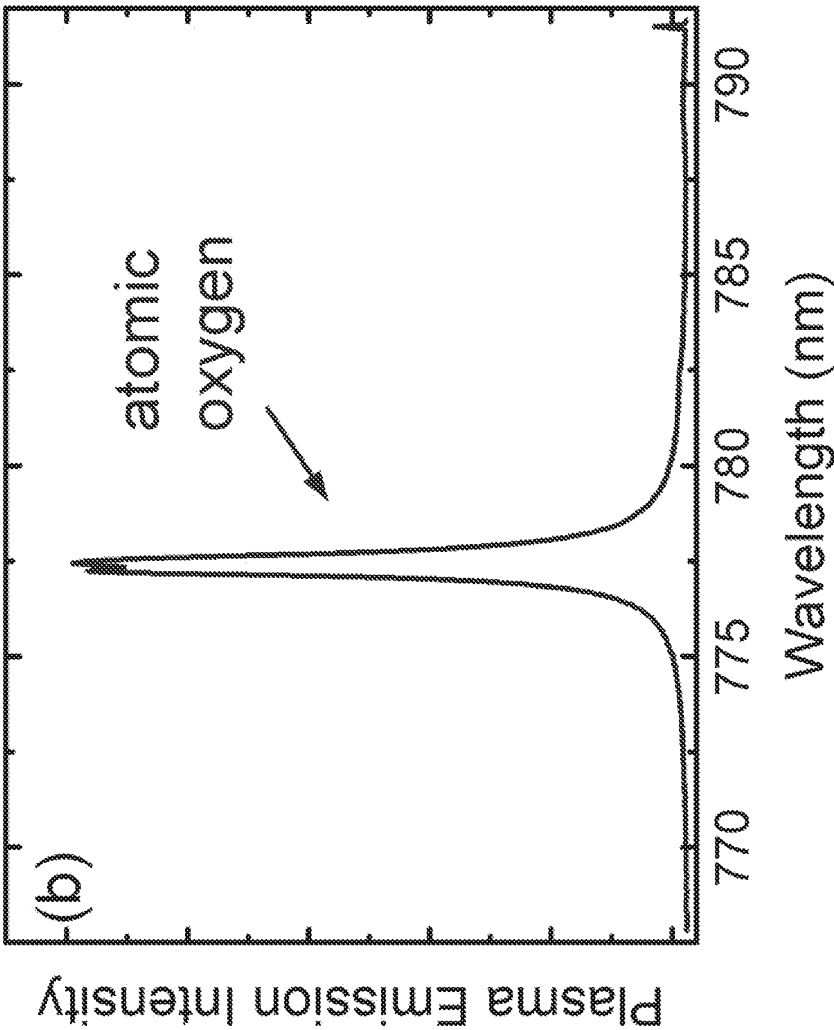


FIG. 13B

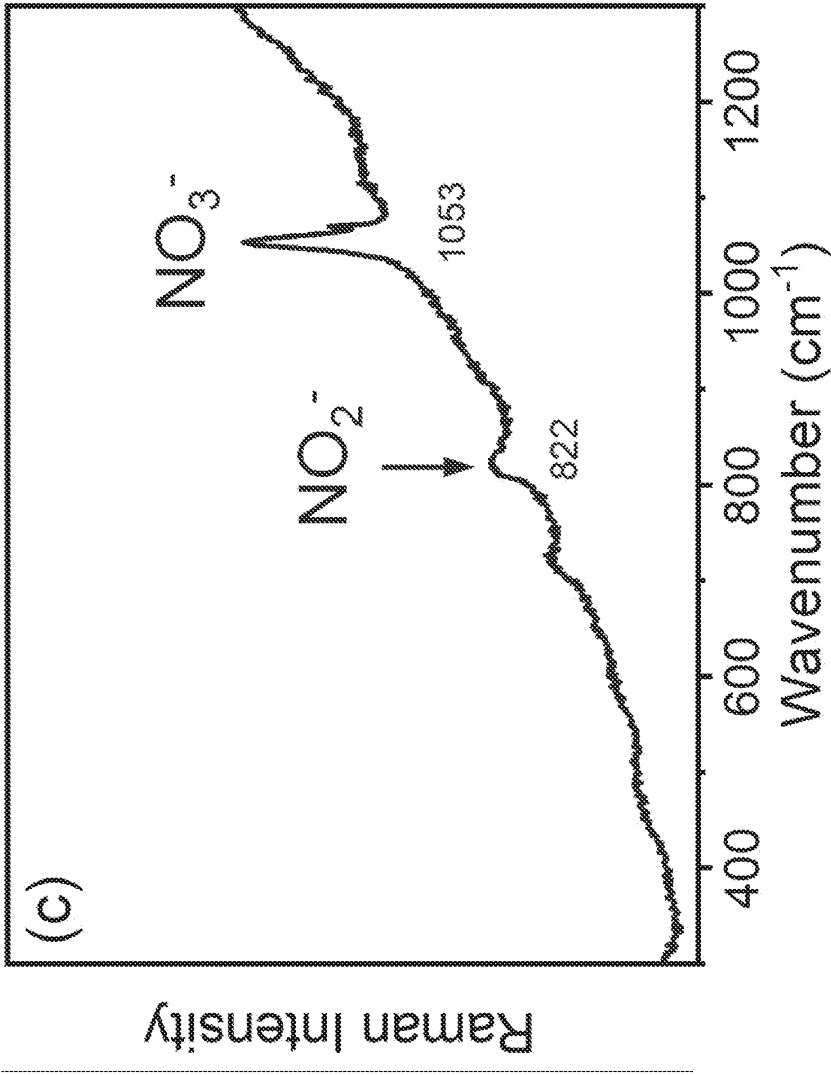
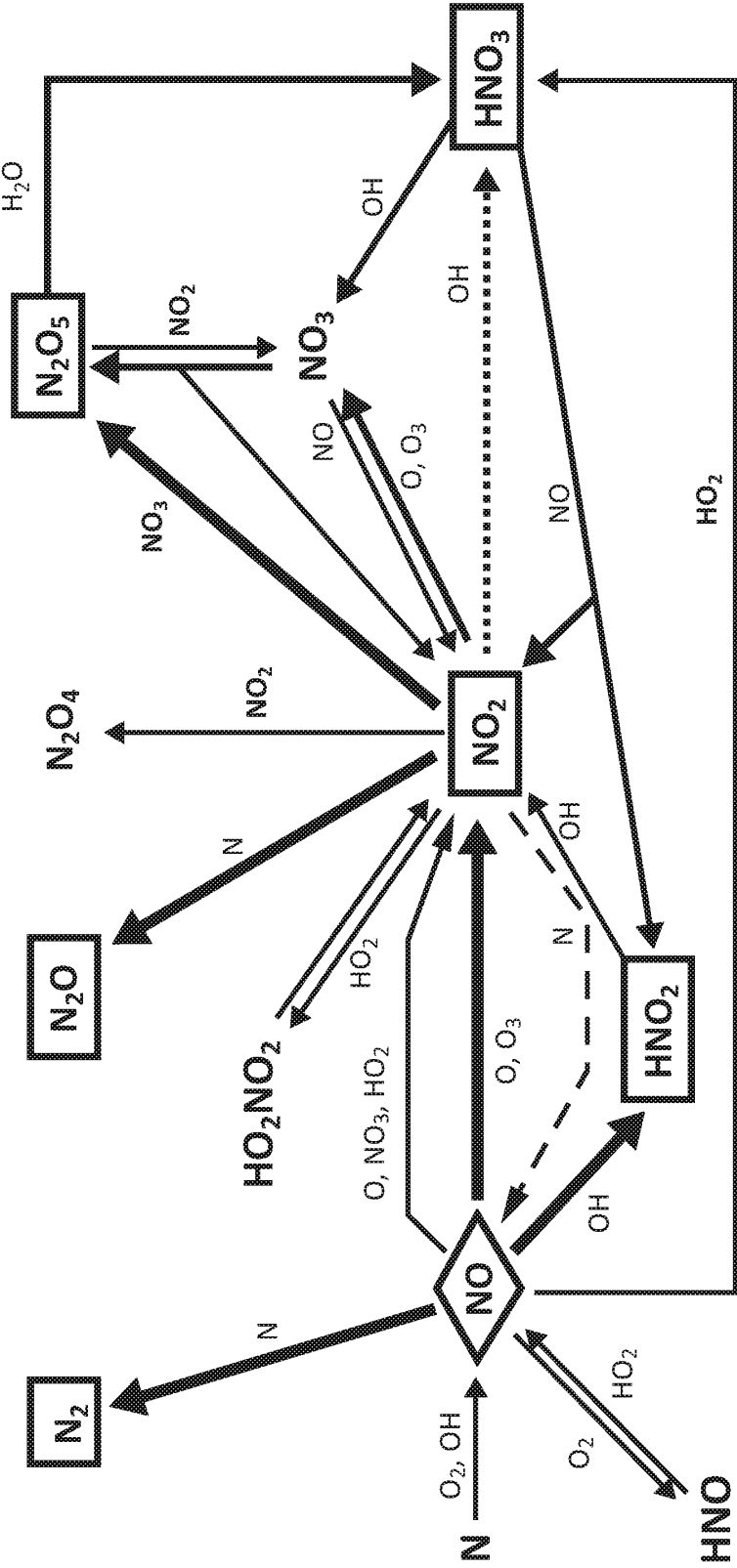


FIG. 13C

FIG. 14



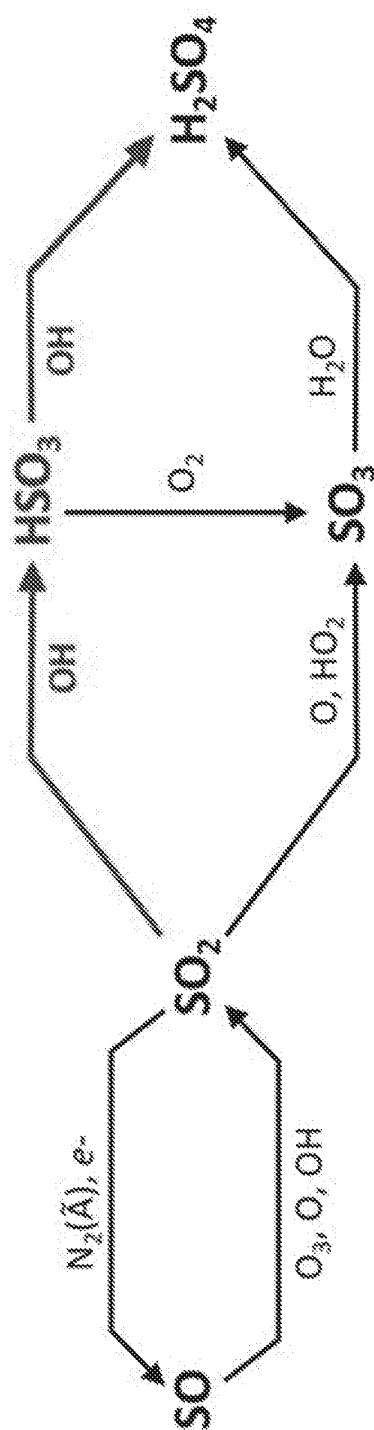


FIG. 15

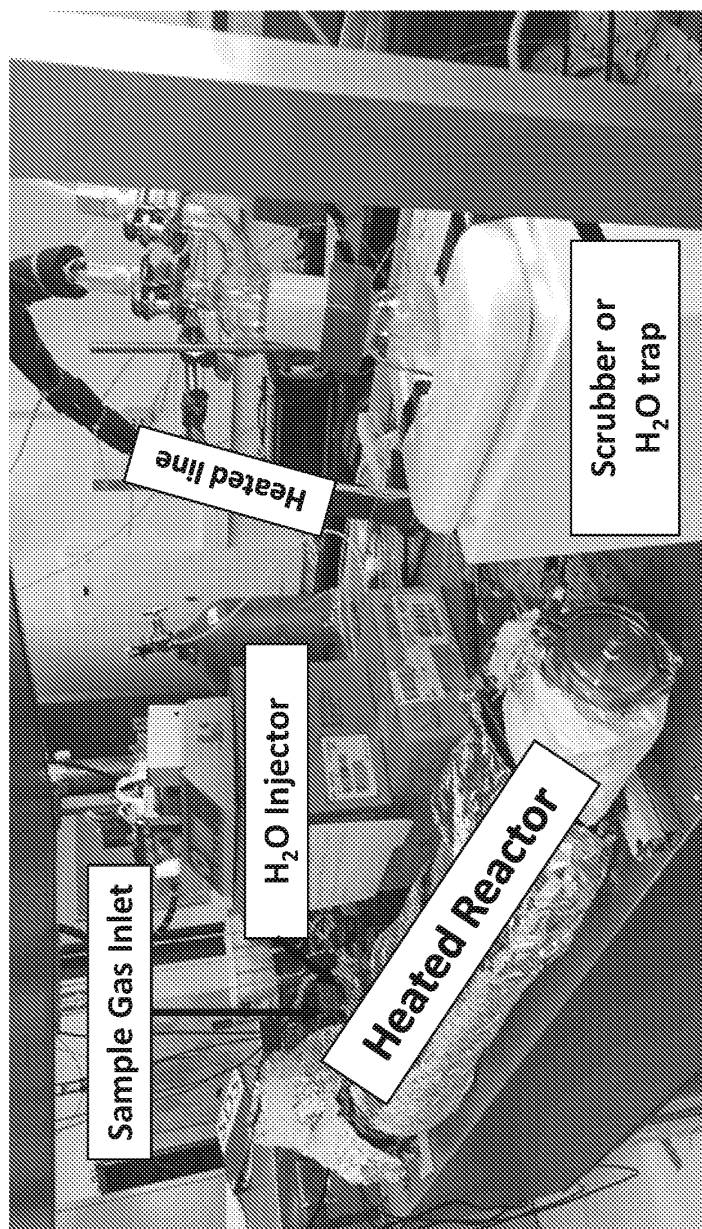


FIG. 16

FIG. 17A – FIG. 17C

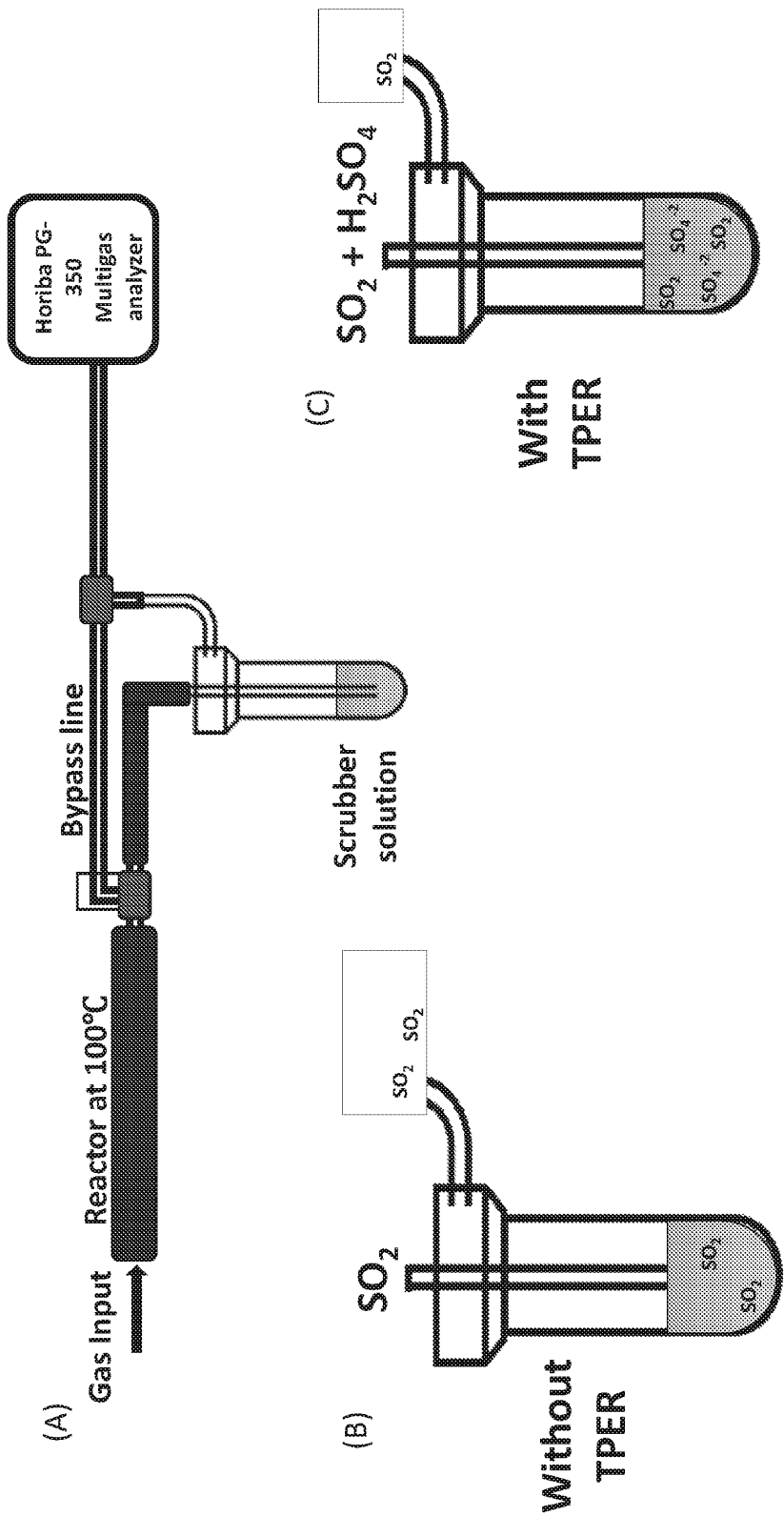
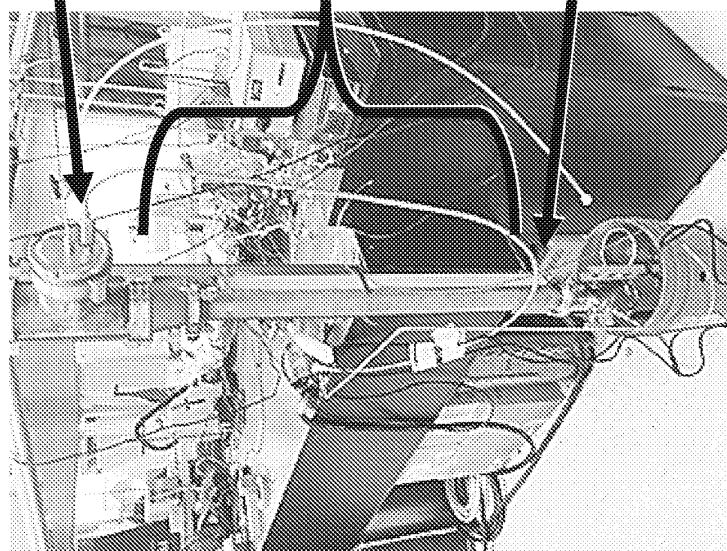


FIG. 18



Water sprays downward, much like a regular scrubber

Plasma is discharged in this region to create OH radicals and possibly some acids which can increase the absorbance of NO_x and SO_x . The greater abundance of OH radicals may also aid in selective remediation of SO_2 over NO_x

Exhaust gas containing NO_x and SO_x will make contact with plasma treated water and get absorbed.

Treated water is collected and neutralized.