

FIG. 1

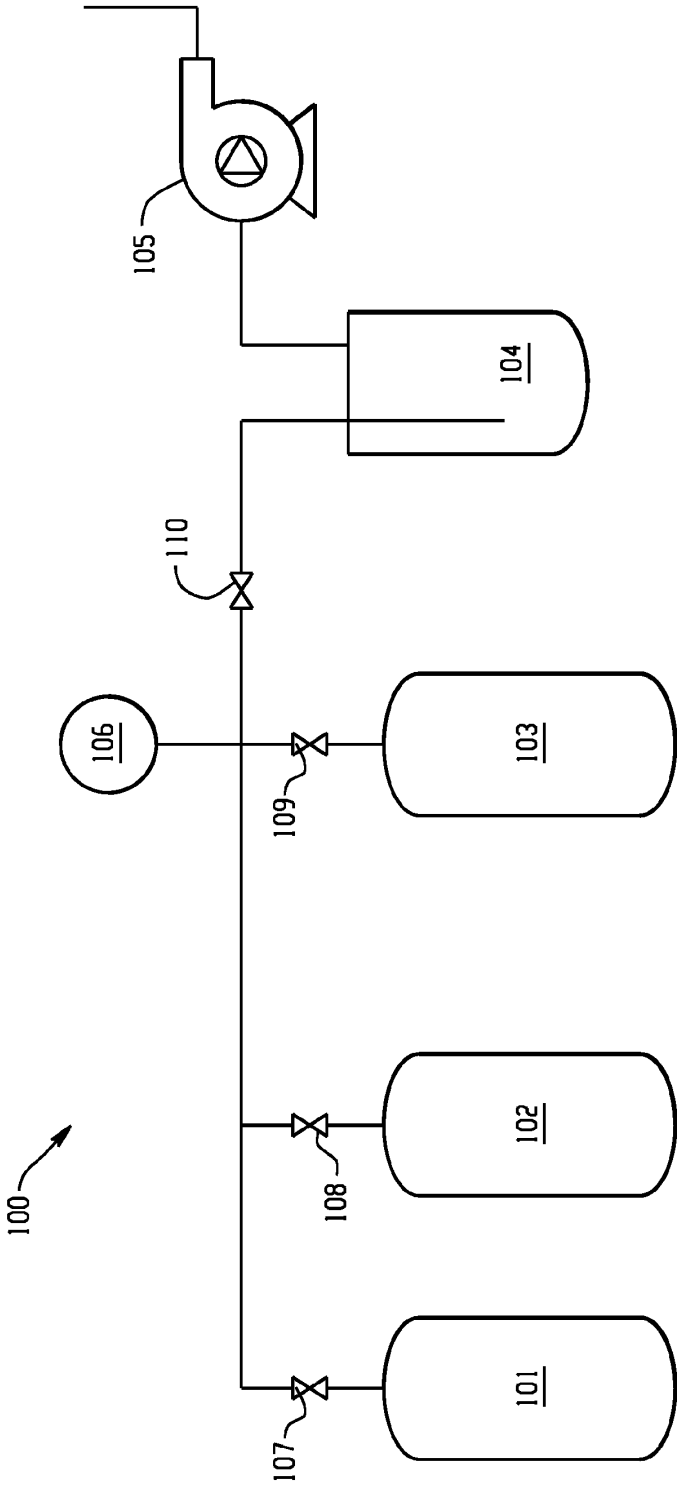


FIG. 2

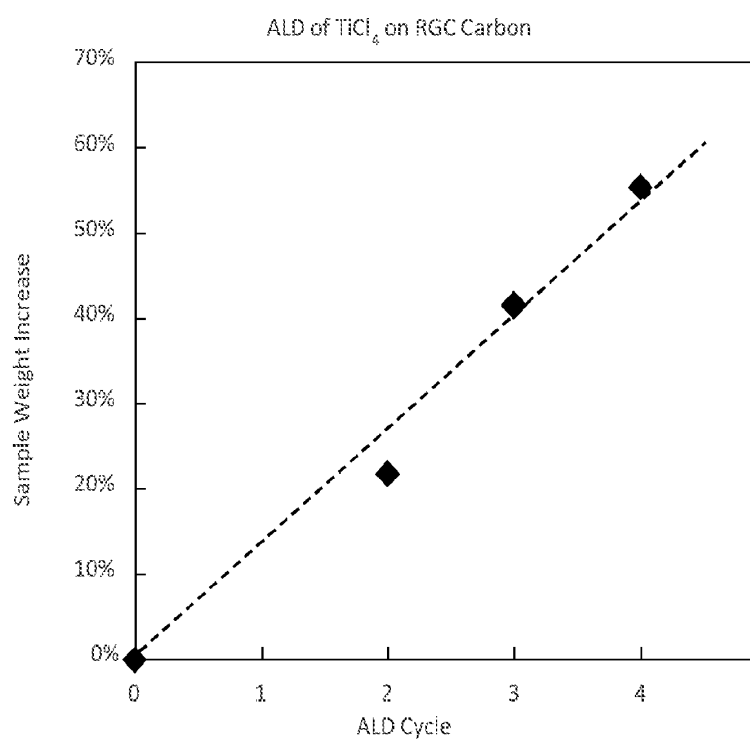


FIG. 3A

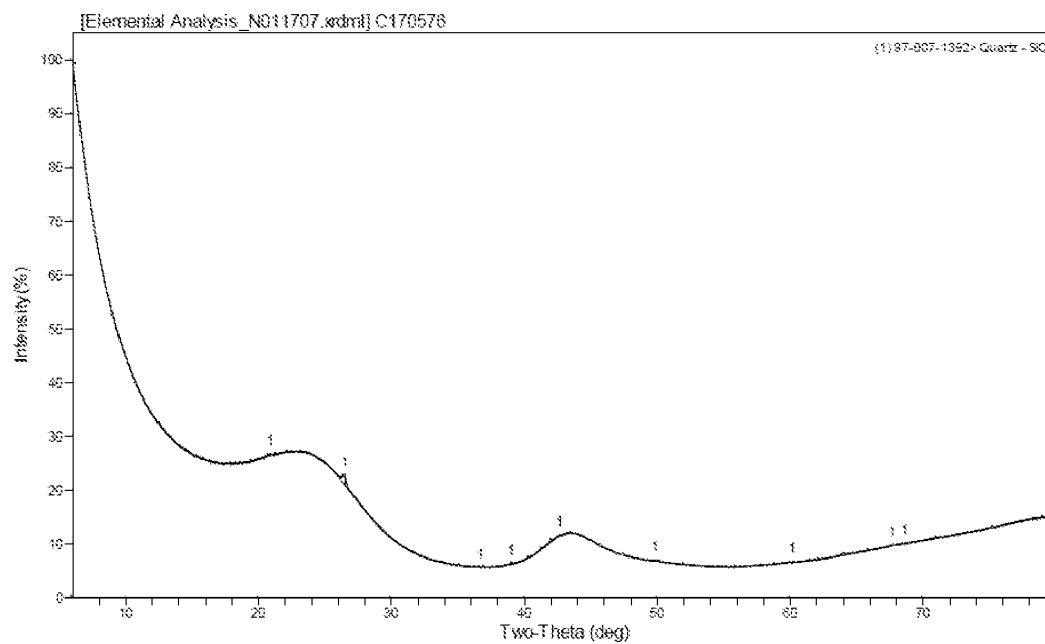


FIG. 3B

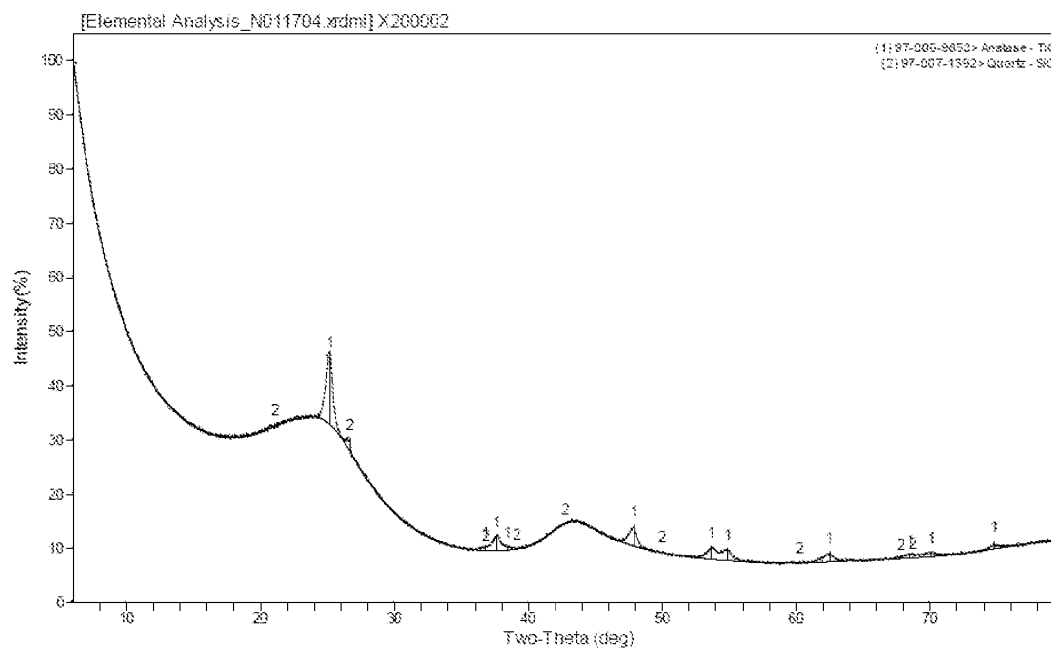


FIG. 3C

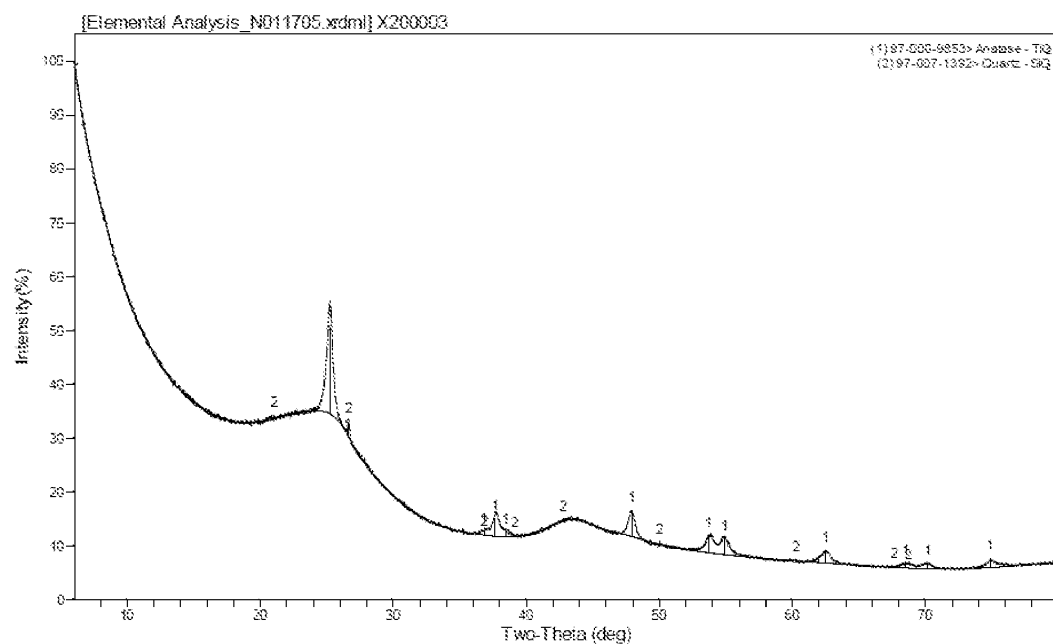


FIG. 3D

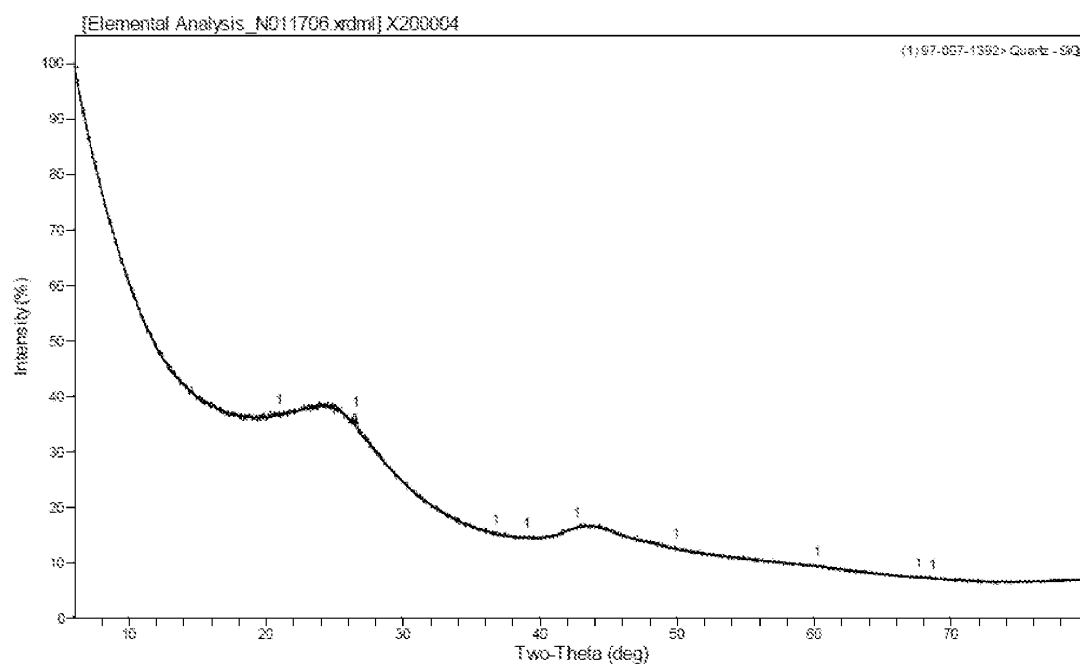


FIG. 4A

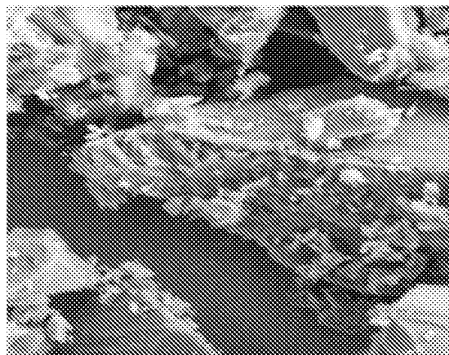


FIG. 4B

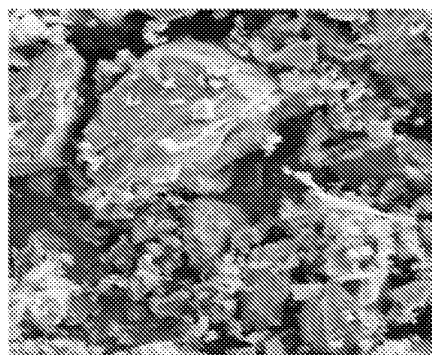


FIG. 4C

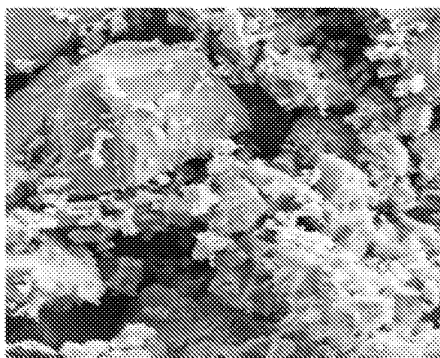


FIG. 4D

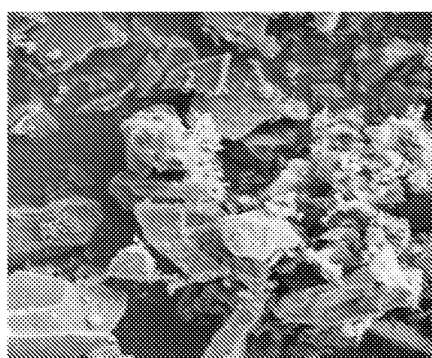


FIG. 5

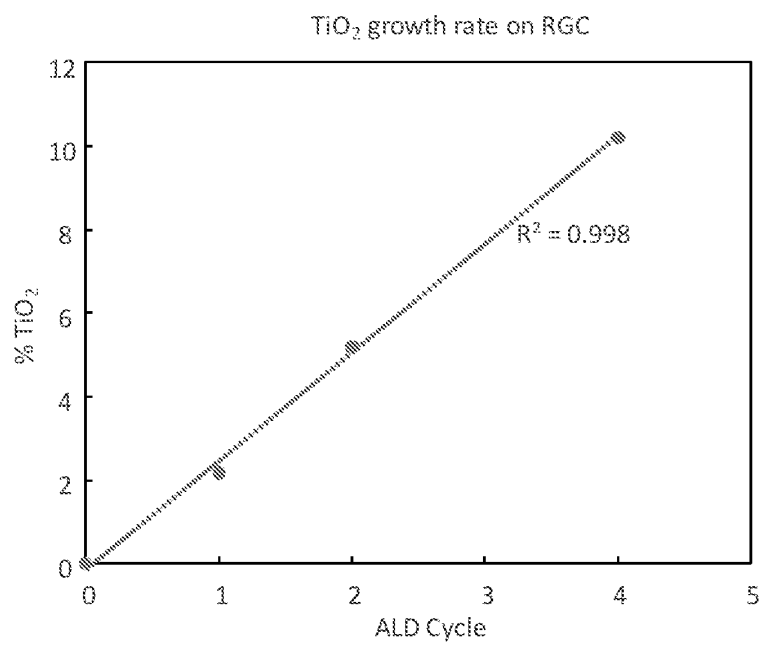


FIG. 6A

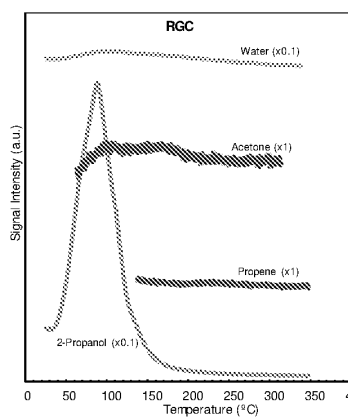


FIG. 6B

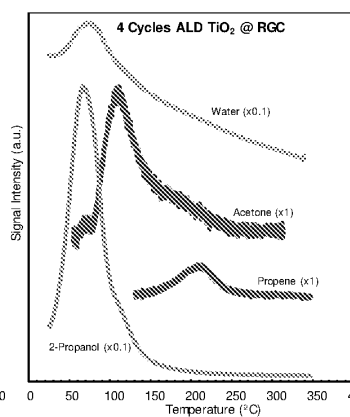


FIG. 6C

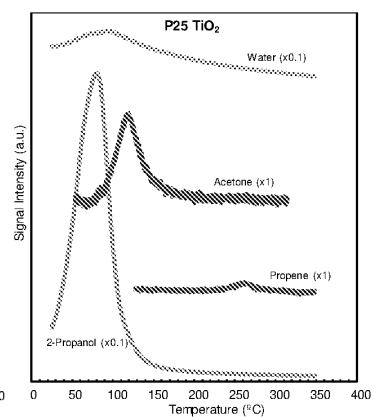


FIG. 7A

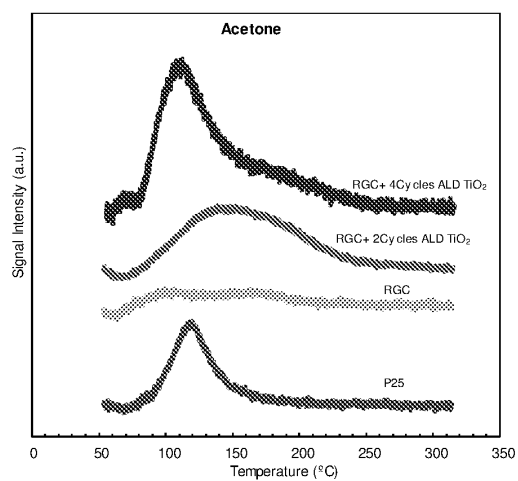
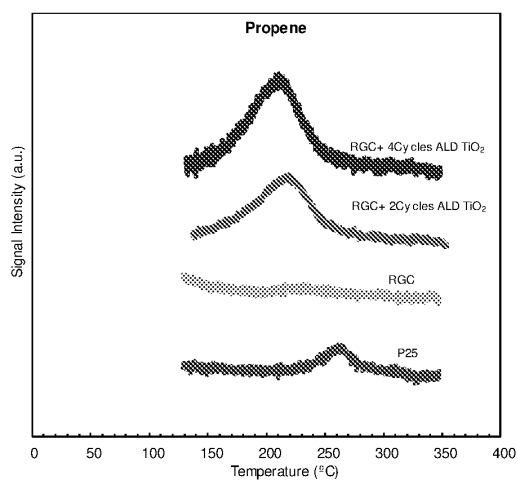


FIG. 7B



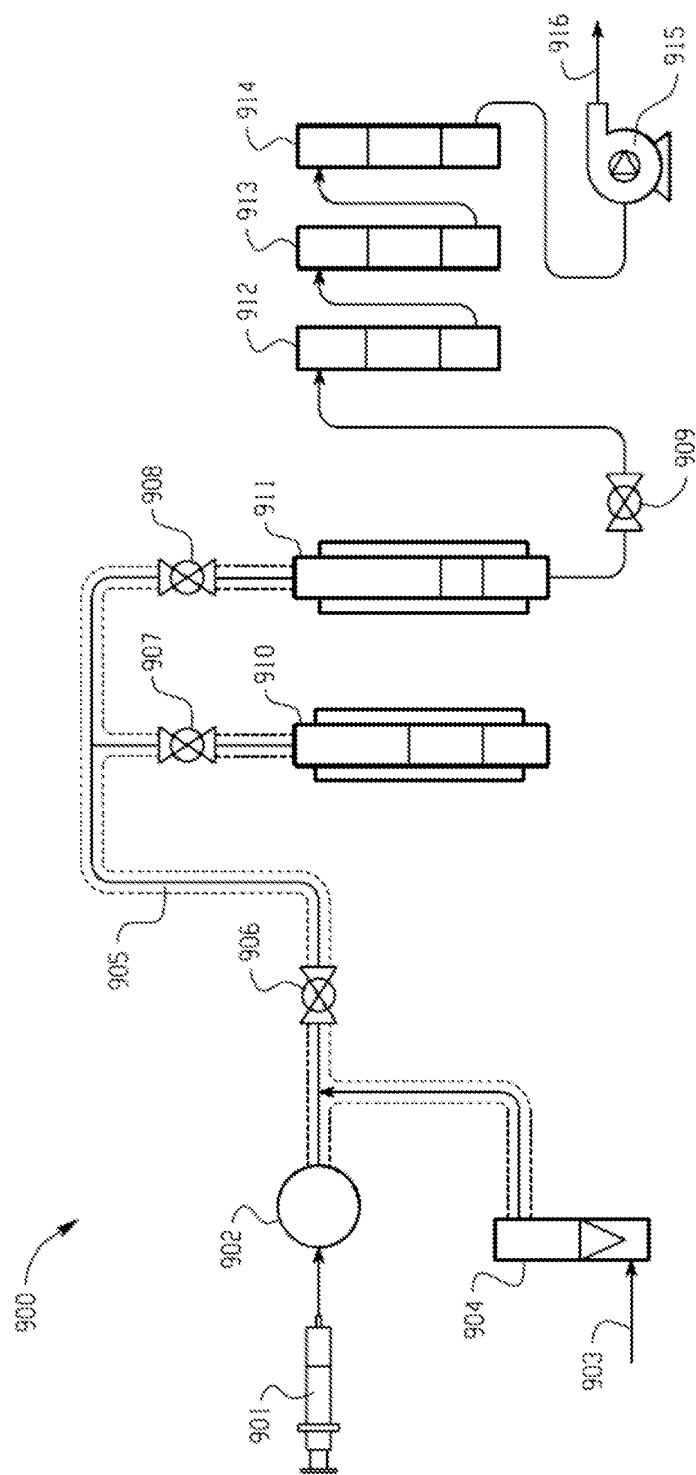


Fig. 8

FIG. 9A

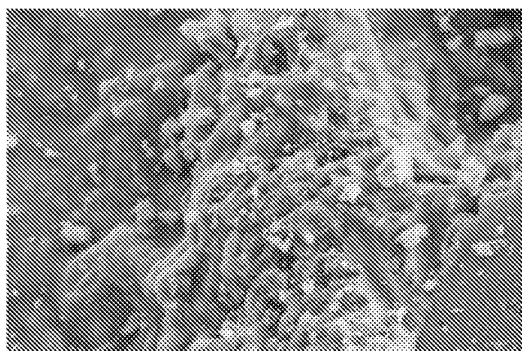


FIG. 9B

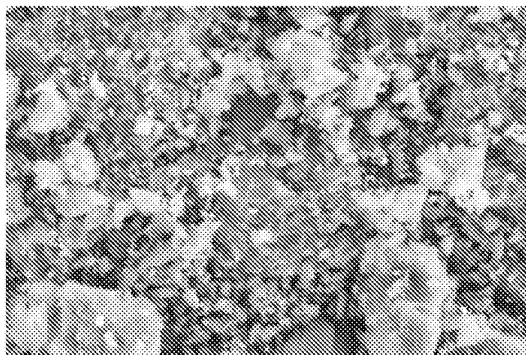


FIG. 9C

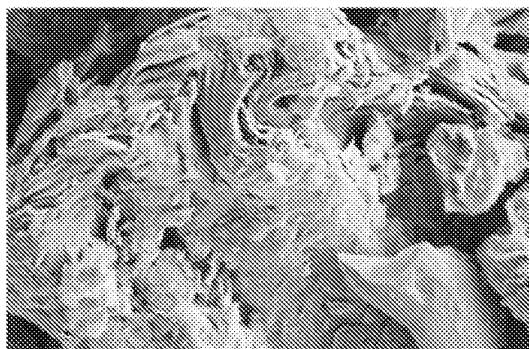


FIG. 10

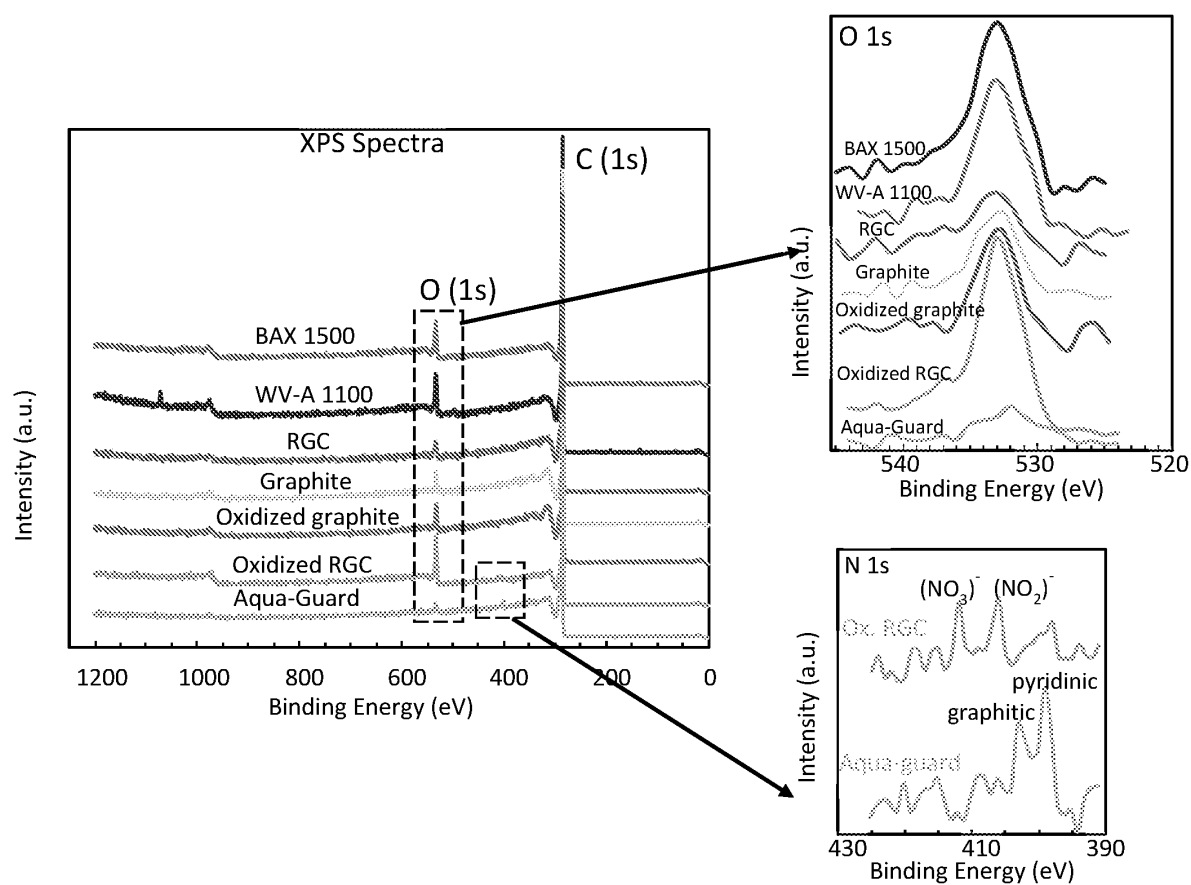


FIG. 11

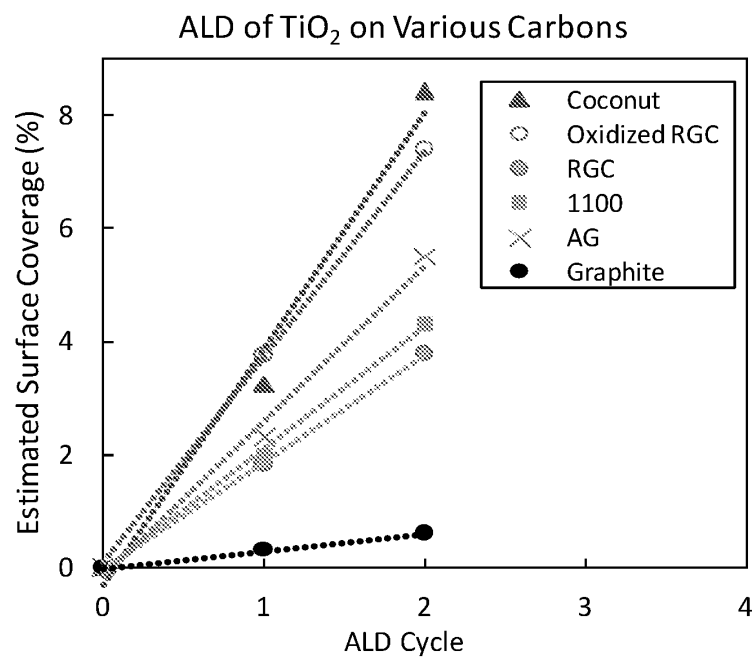


FIG. 12C

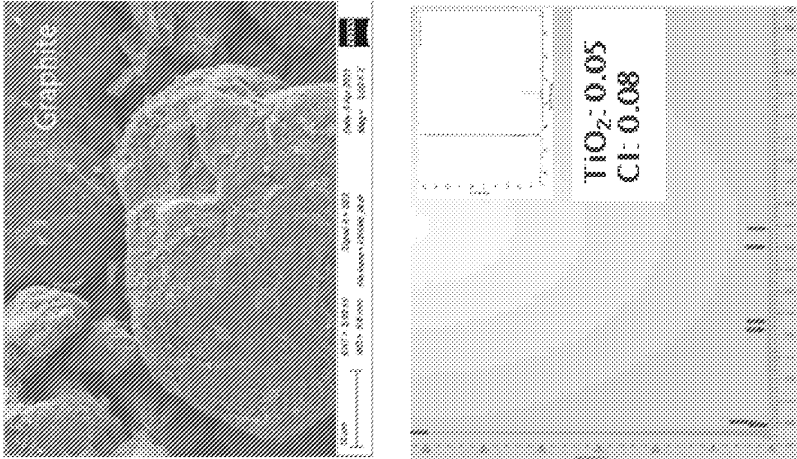


FIG. 12B

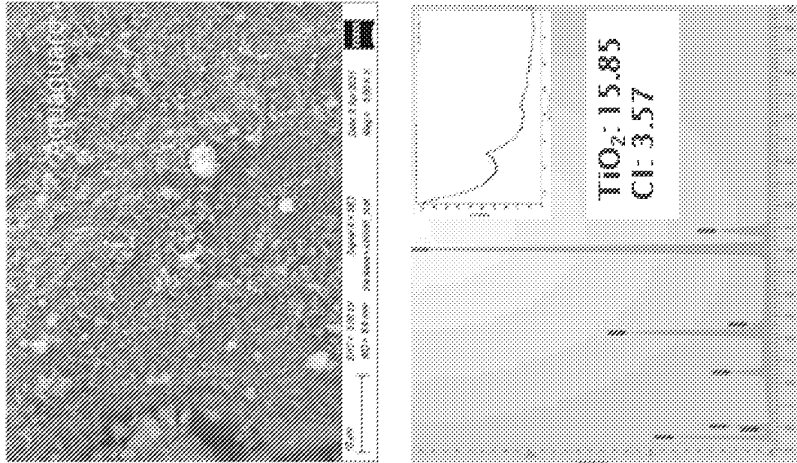


FIG. 12A

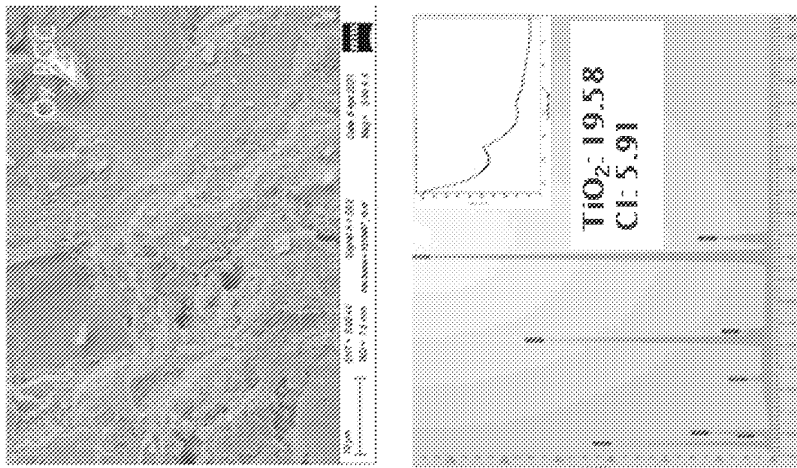


FIG. 13

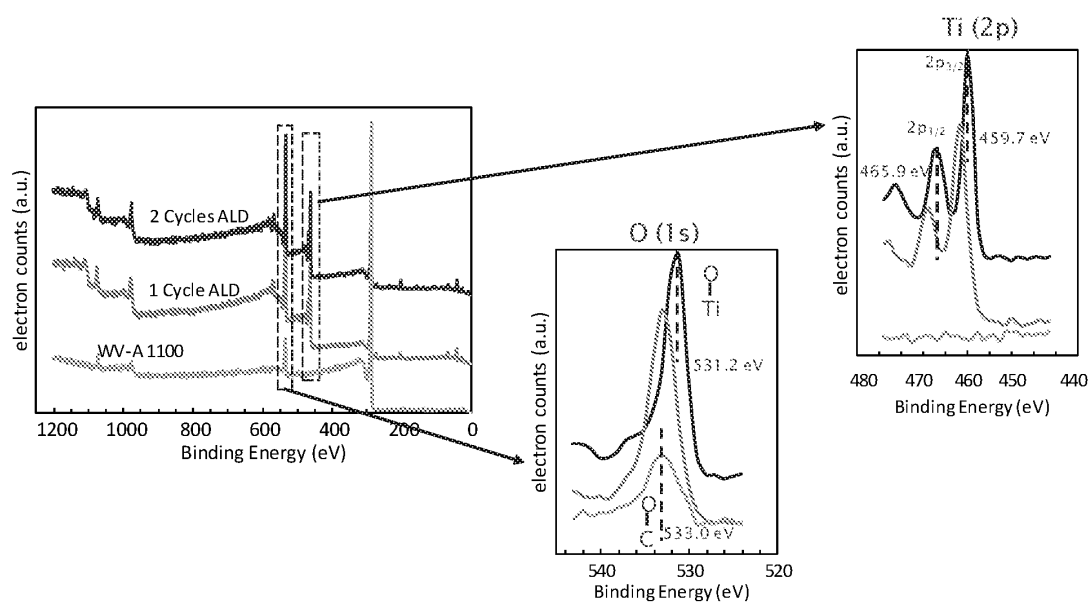


FIG. 14

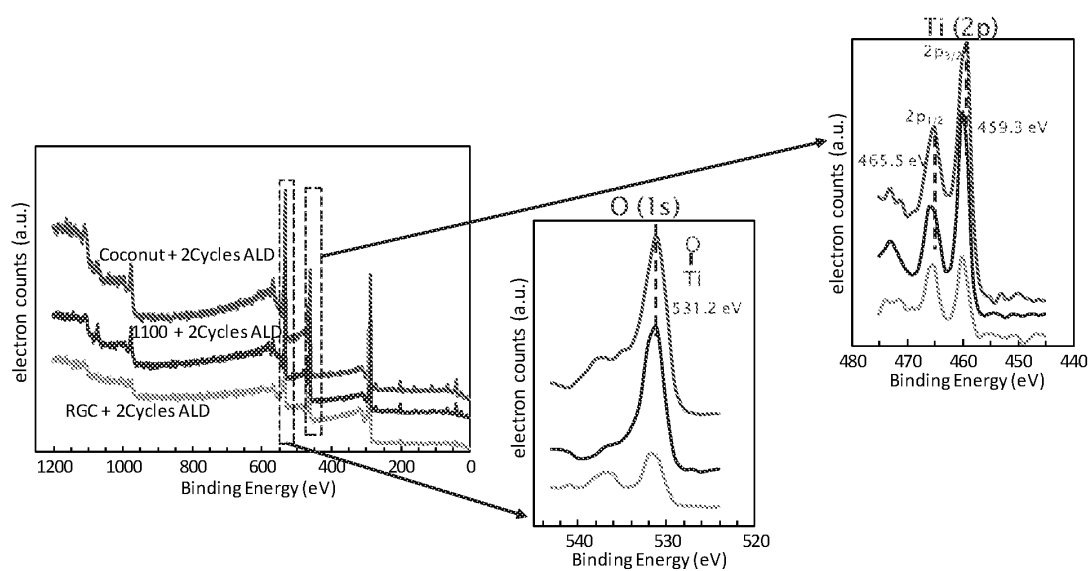


FIG. 15

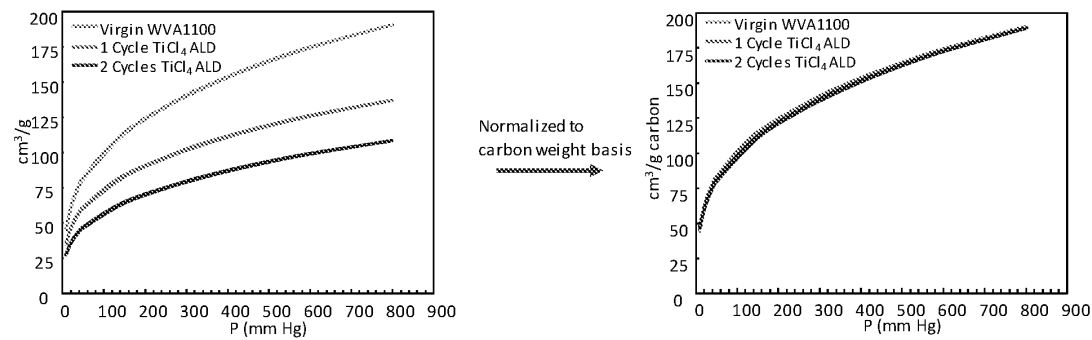


FIG. 16A

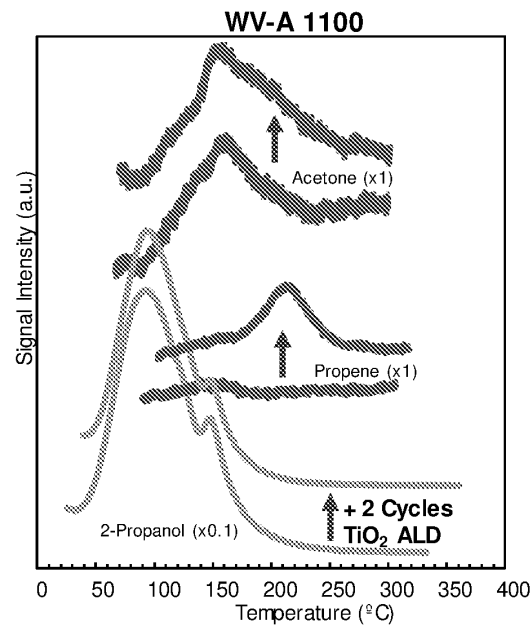


FIG. 16B

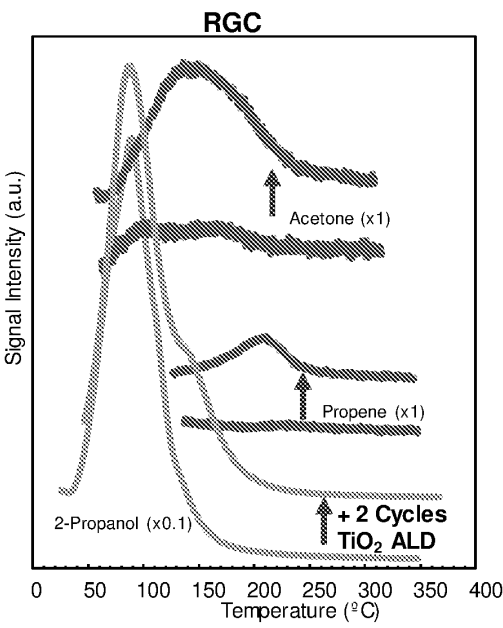


FIG. 17

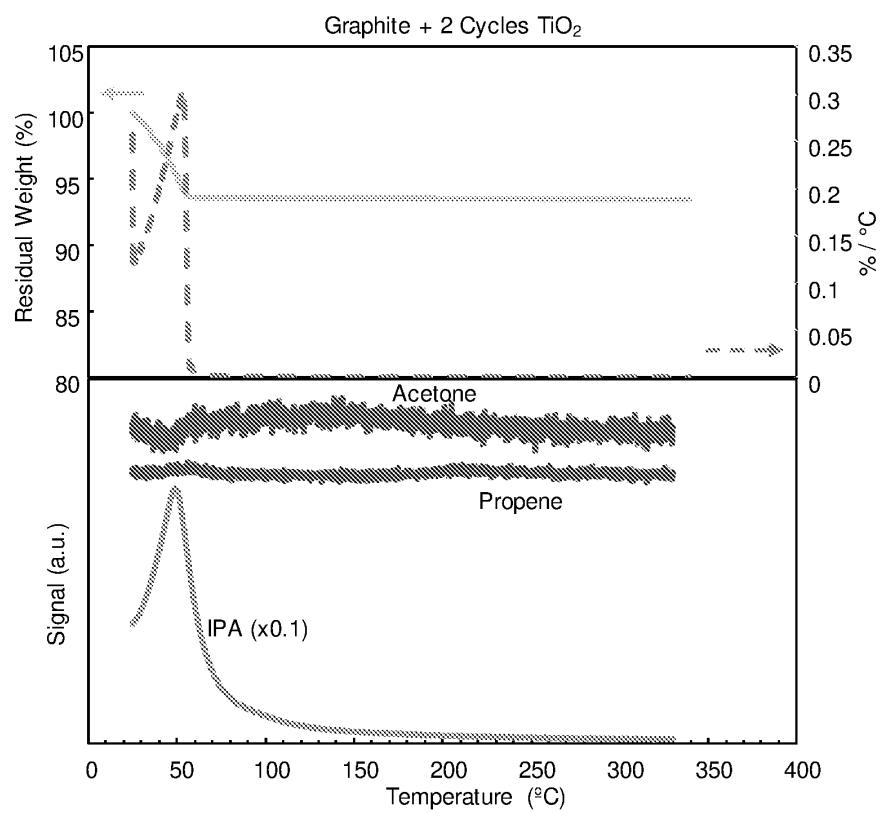


FIG. 18

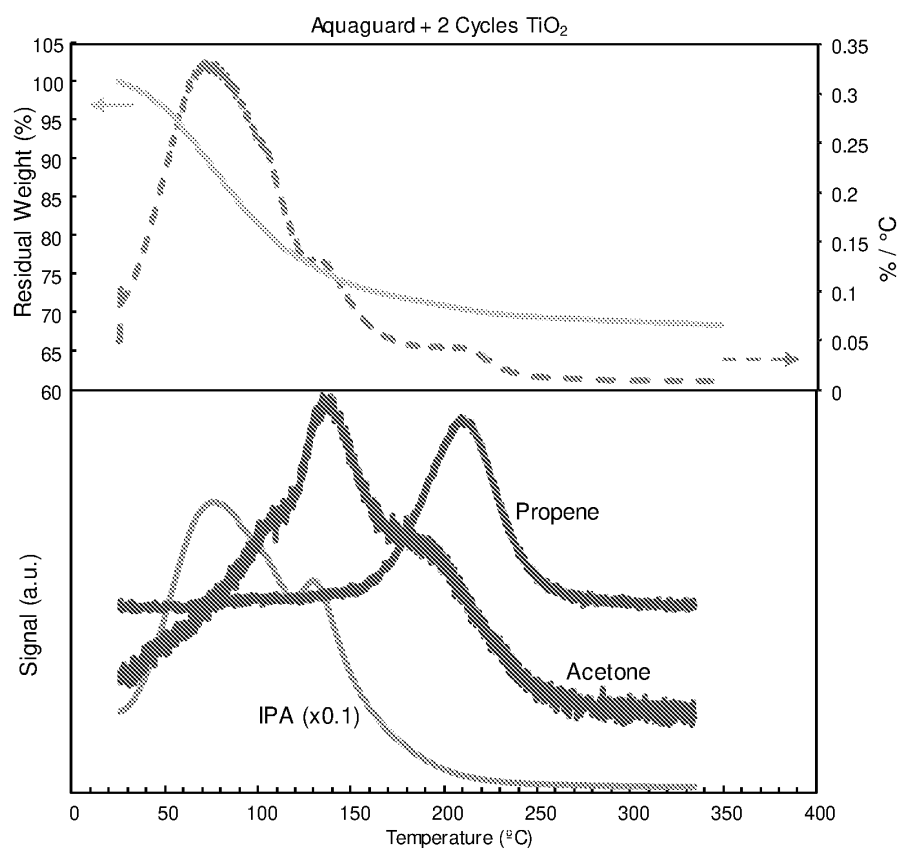
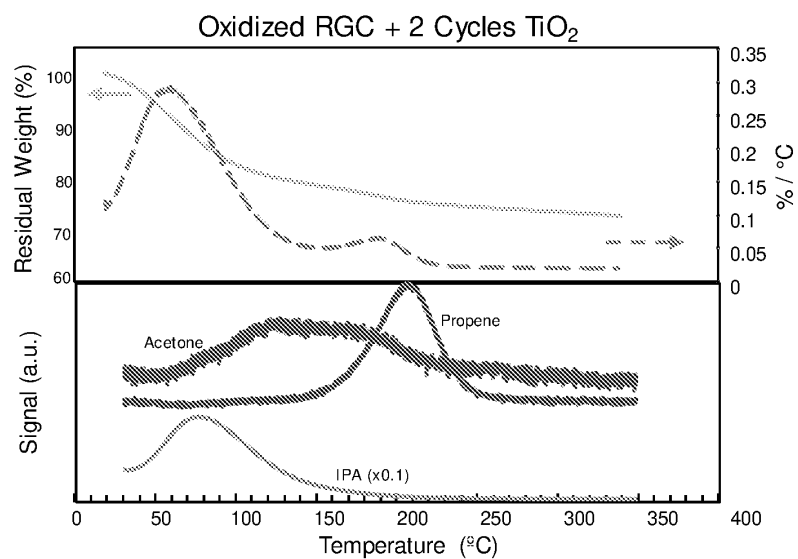


FIG. 19



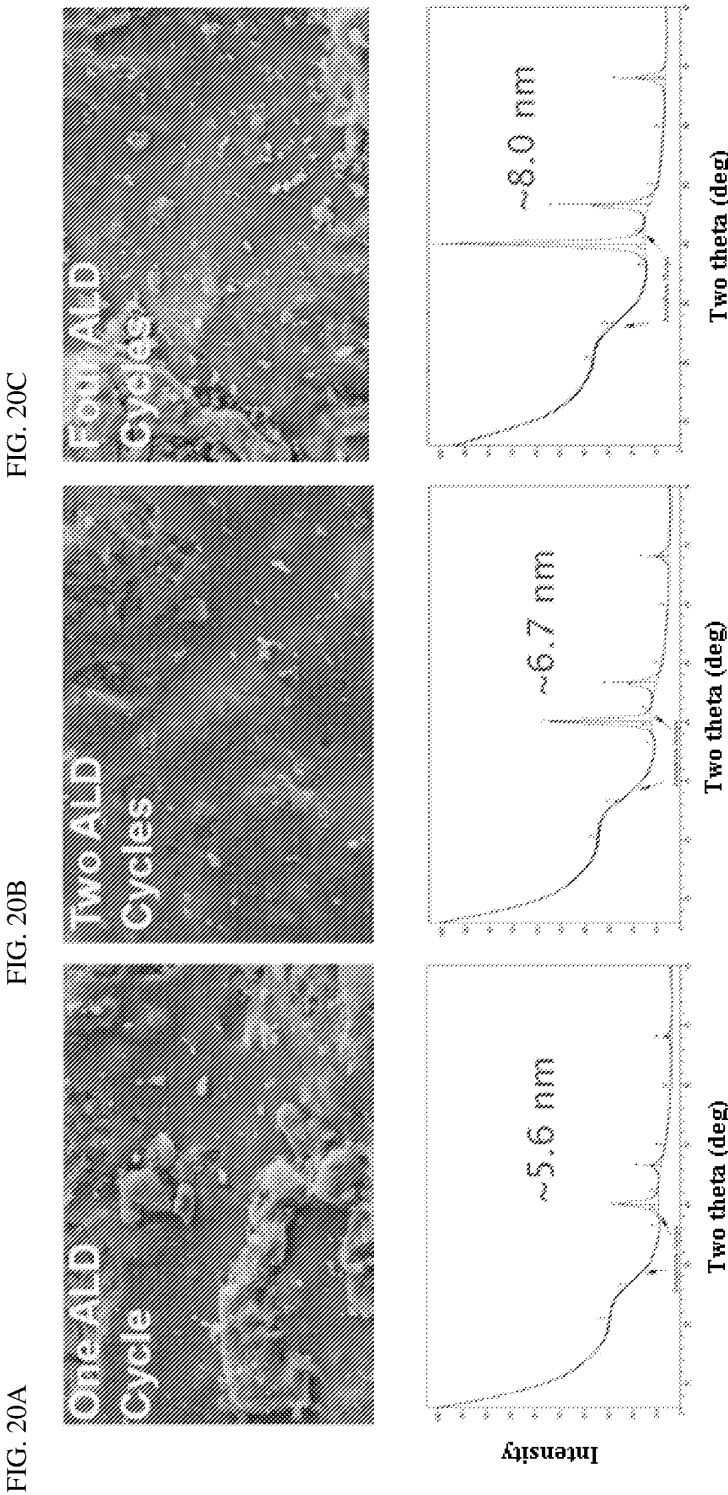


FIG. 20C

FIG. 20B

FIG. 21

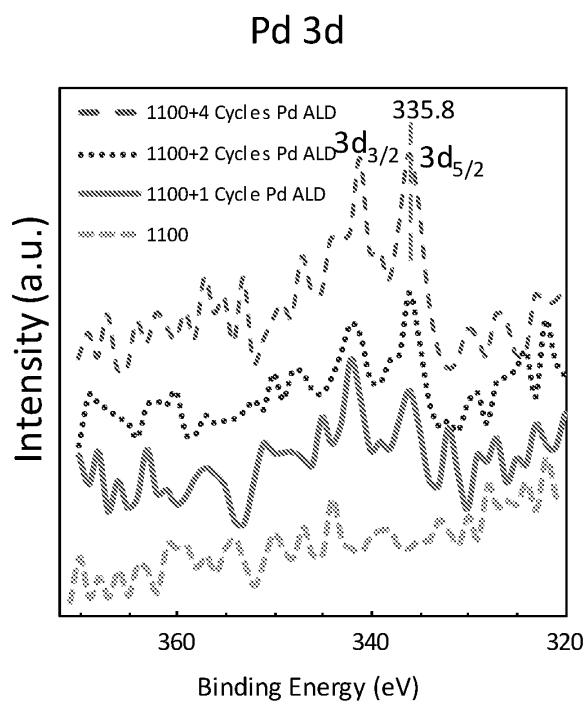


FIG. 22

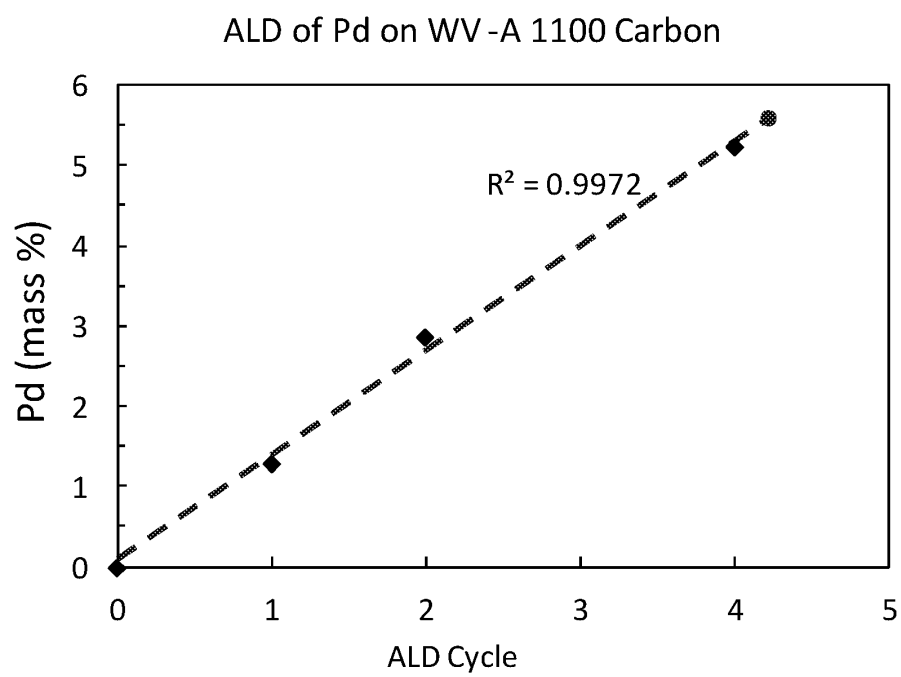
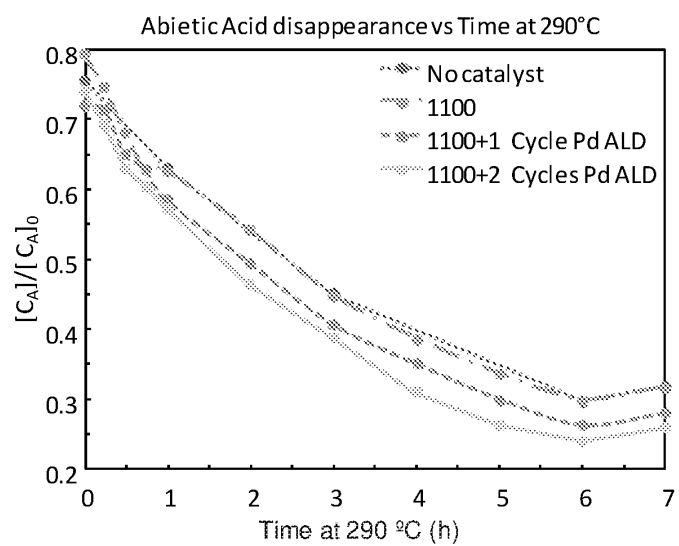


FIG. 23



Abietic Acid Area %					
Sample	0	1	3	6	Final
No catalyst	32.0	26.7	19.1	12.6	13.5
WVA 1100	33.5	26.5	18.9	12.6	13.4
1 Cycle ALD	30.5	24.7	17.2	11.1	11.8
2 Cycles ALD	31.4	24.2	16.5	10.2	11

FIG. 24A

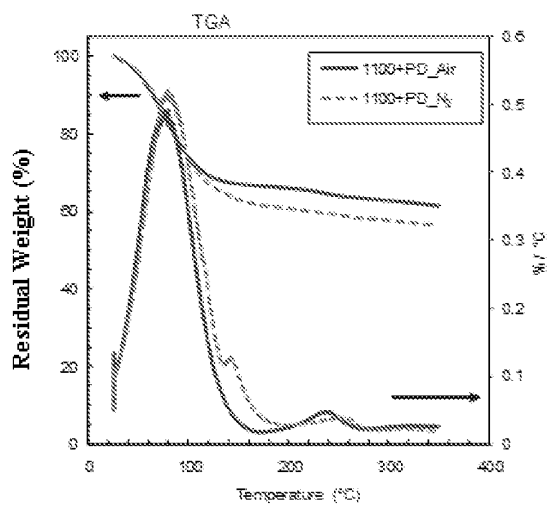


FIG. 24B

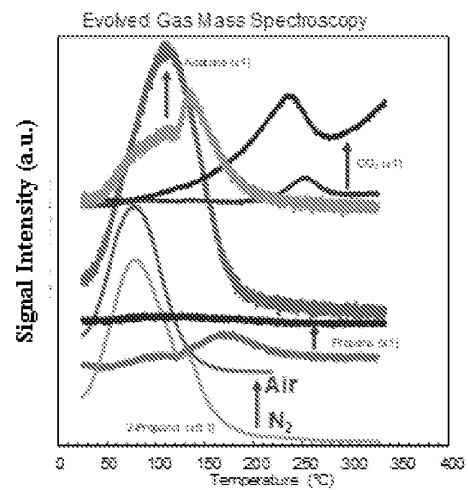


FIG. 25A

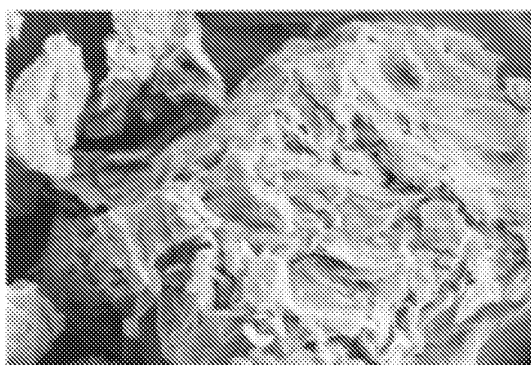


FIG. 25B



FIG. 26A

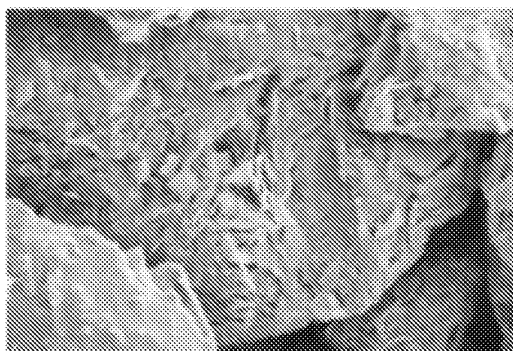


FIG. 26B

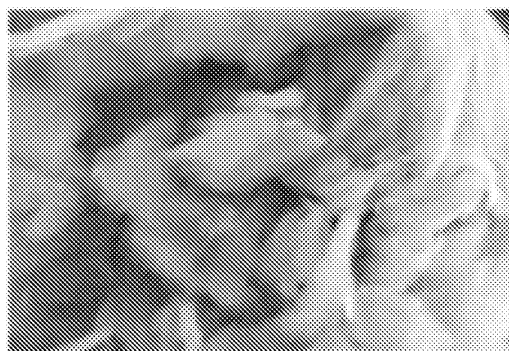


FIG. 27A

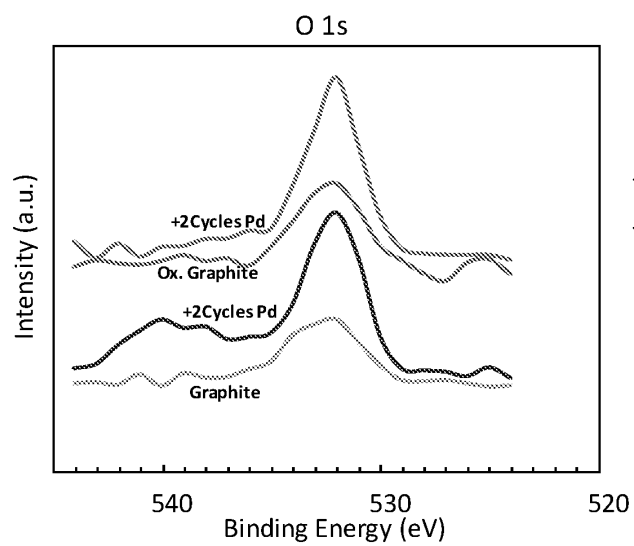


FIG. 27B

