

FIG 1

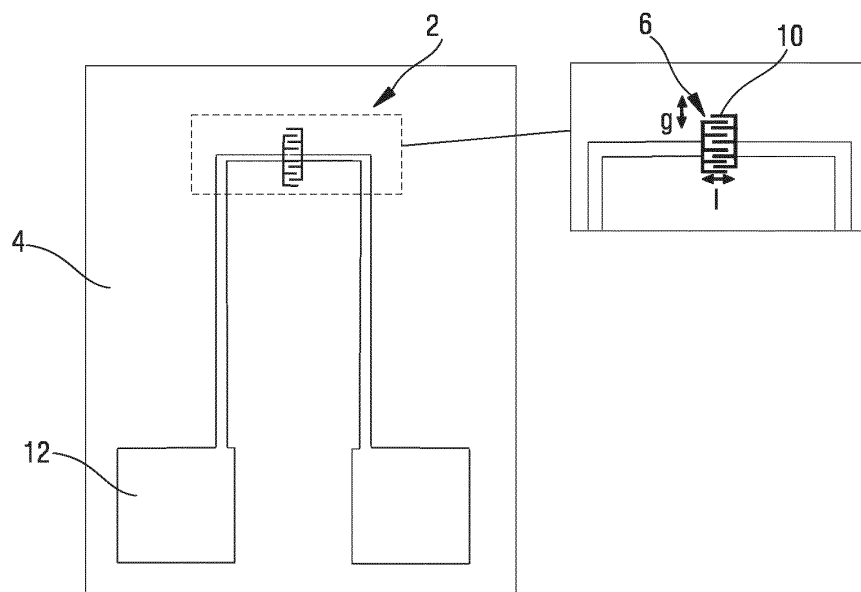


FIG 2

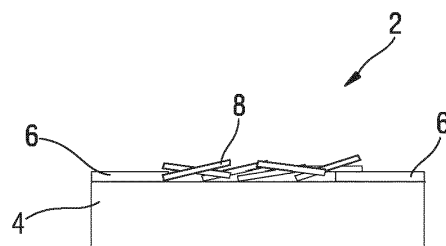


FIG 6

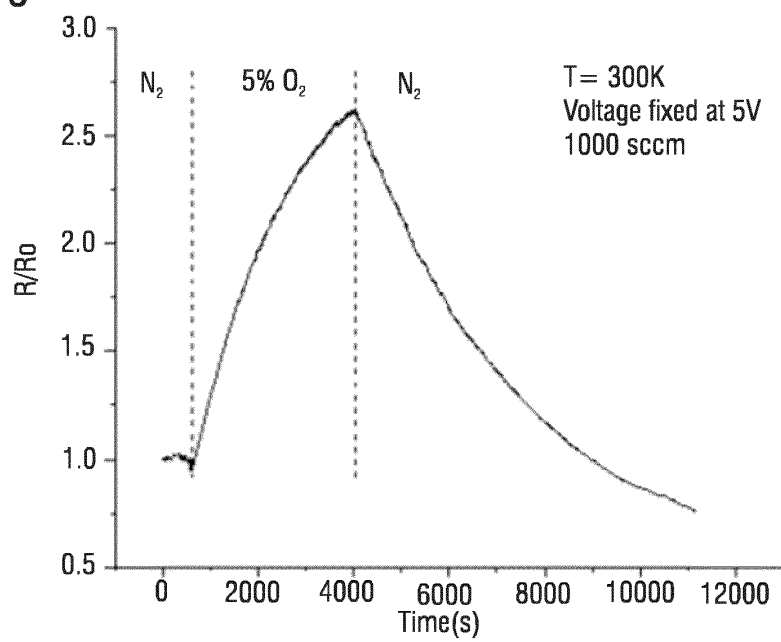


FIG 3

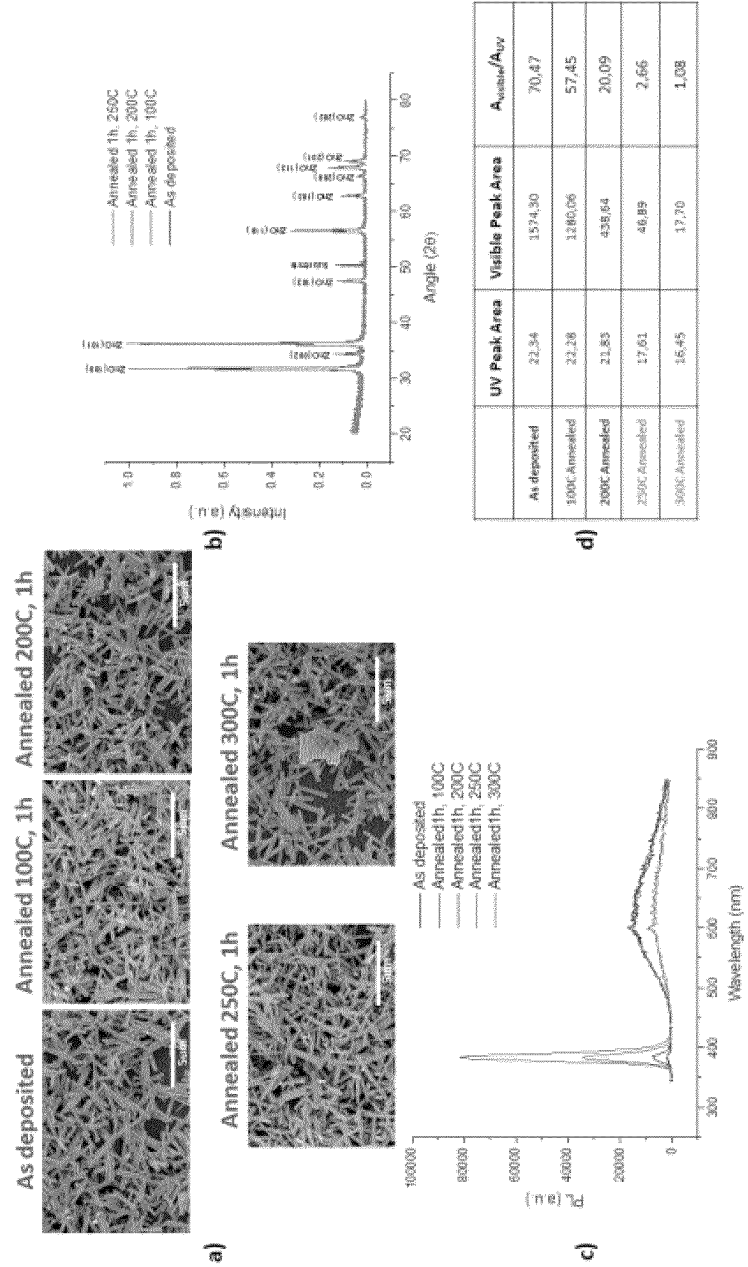


FIG 4

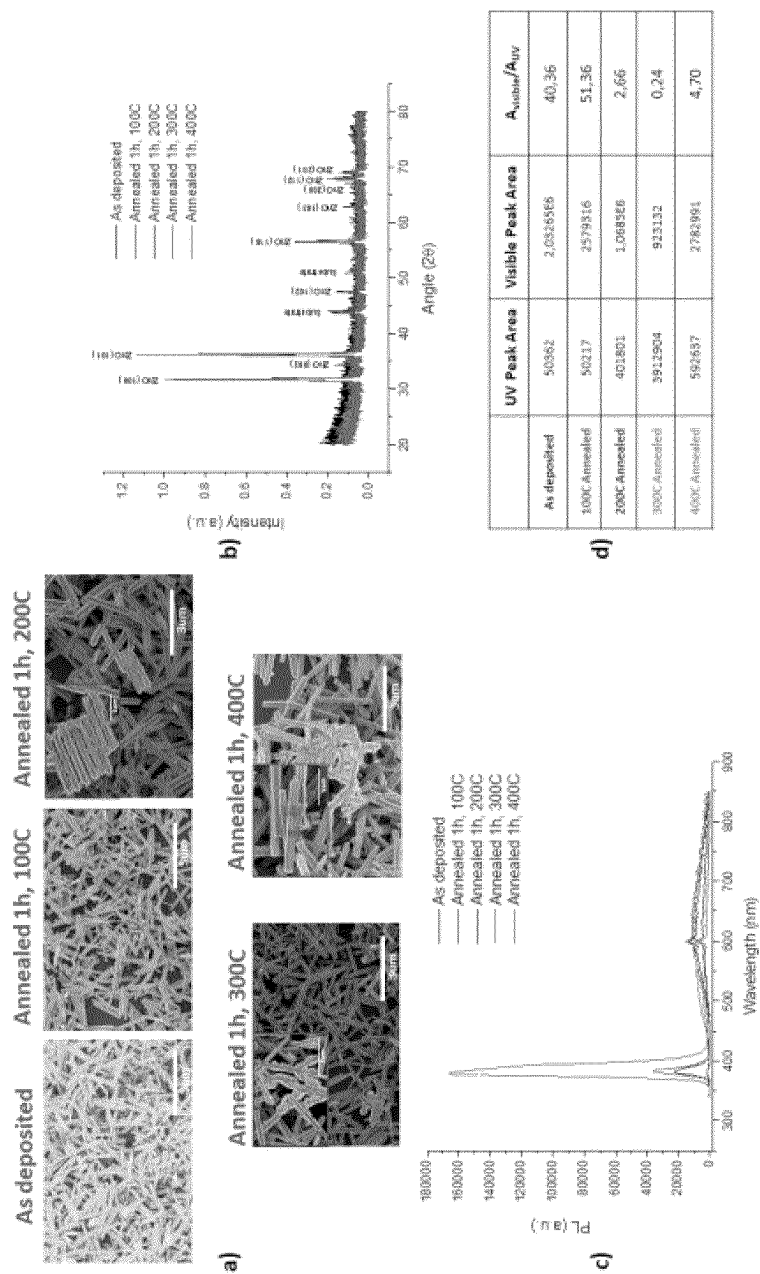


FIG 5

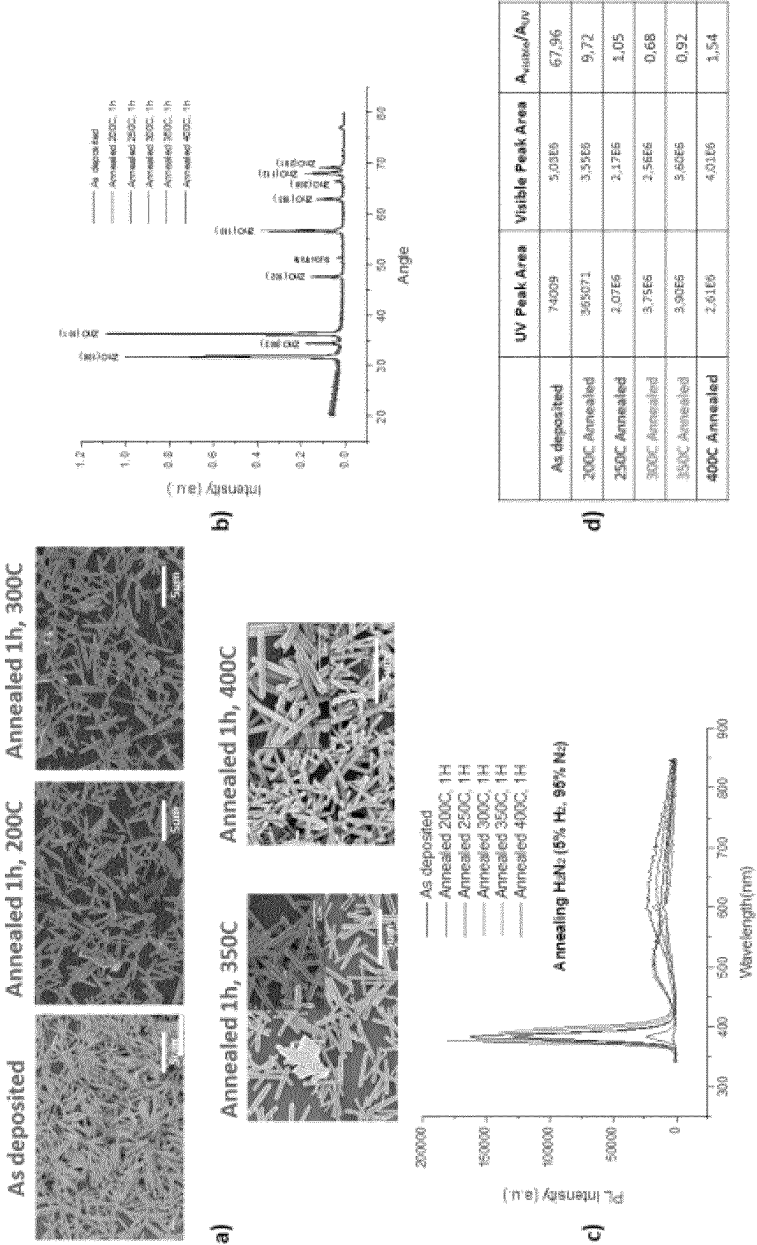


FIG 7

5/16

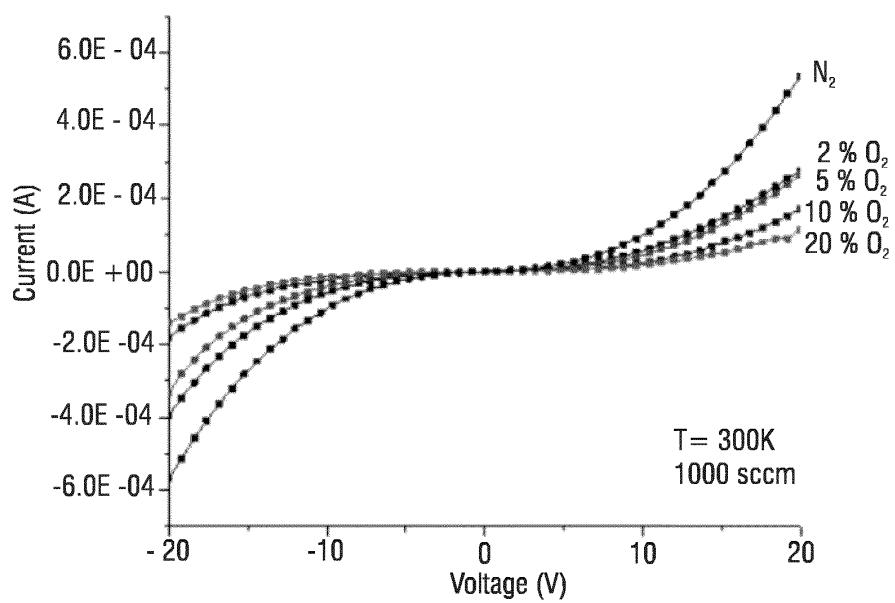


FIG 8

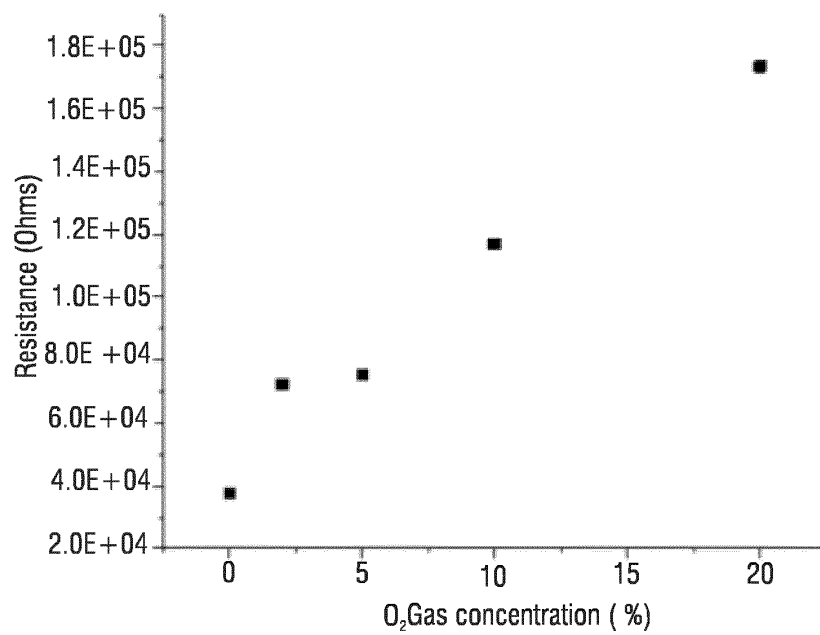


FIG 9

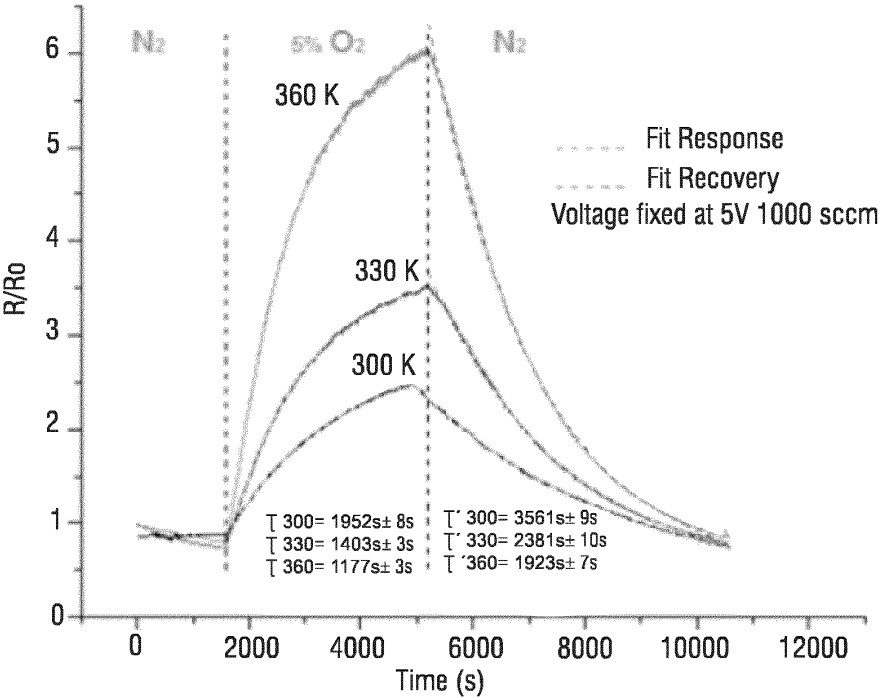


FIG 10

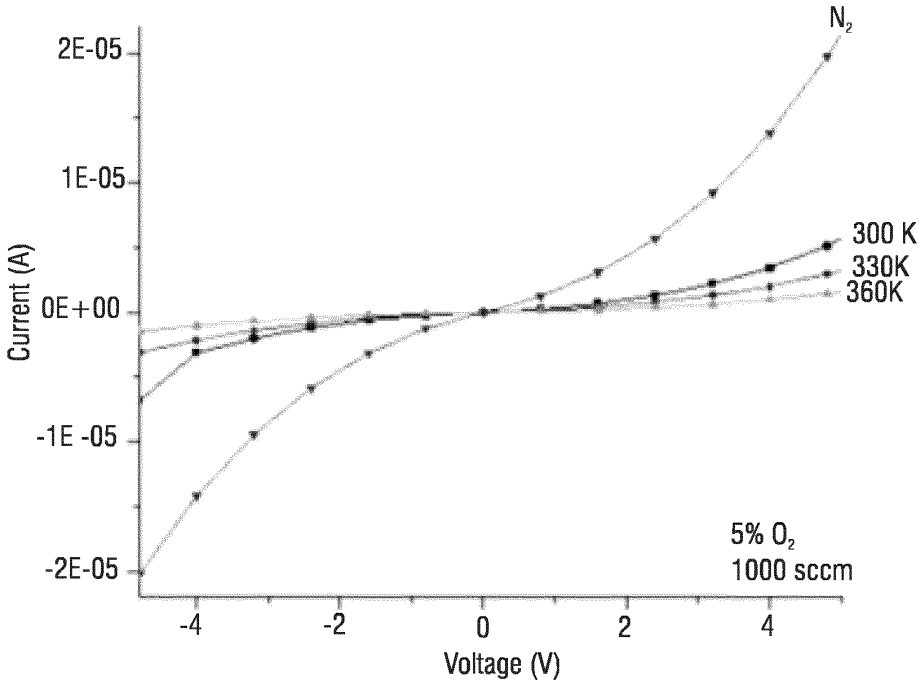


FIG 11

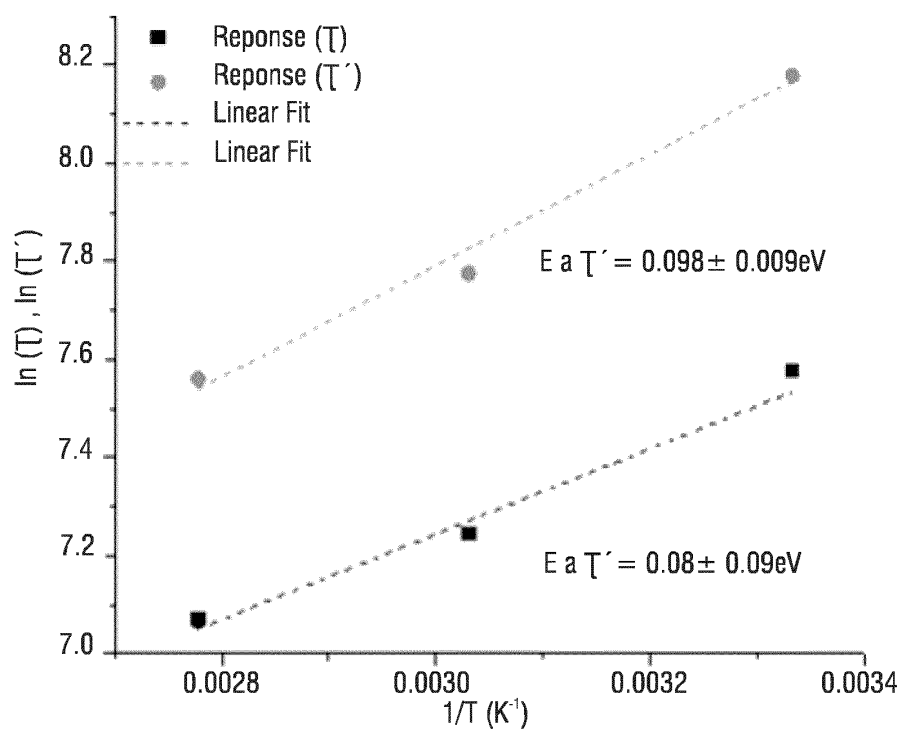


FIG 13

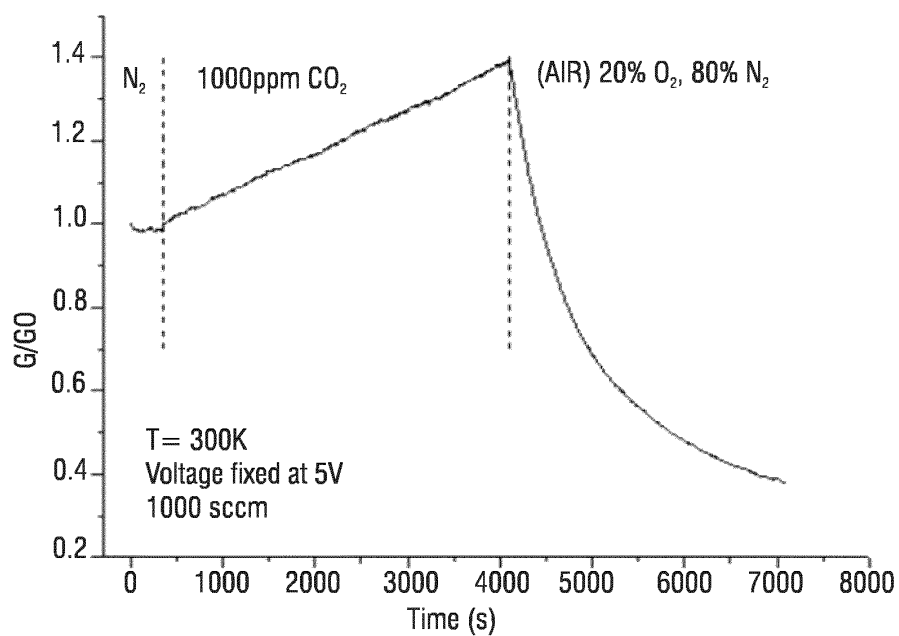


FIG 12

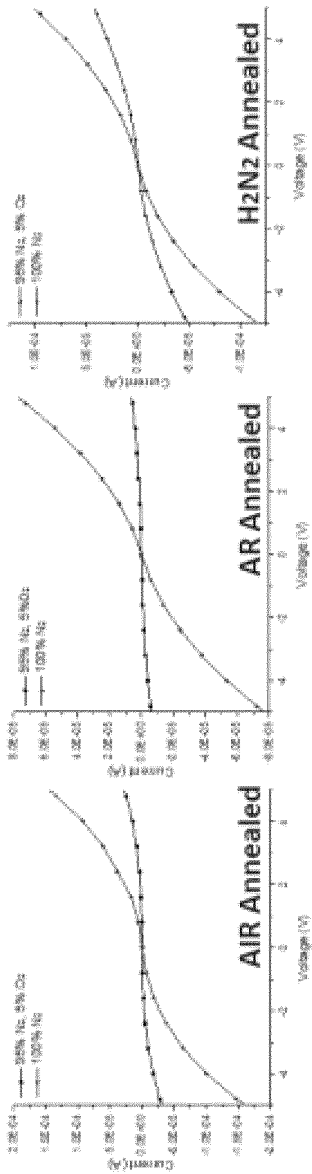


FIG 18

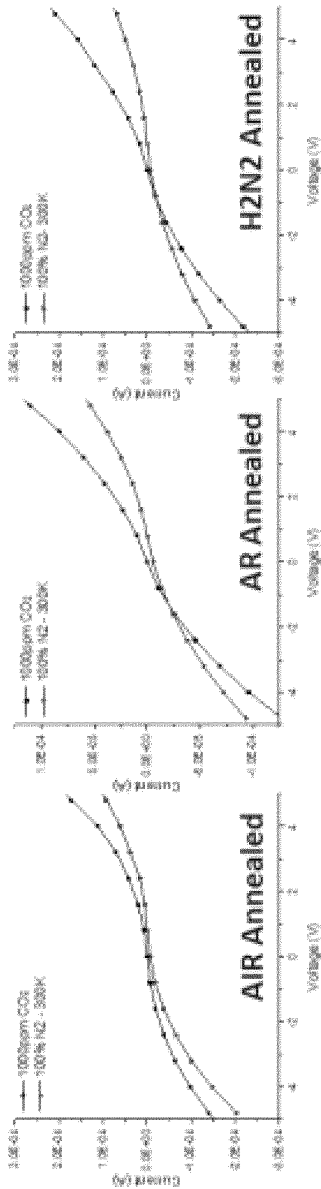


FIG 14

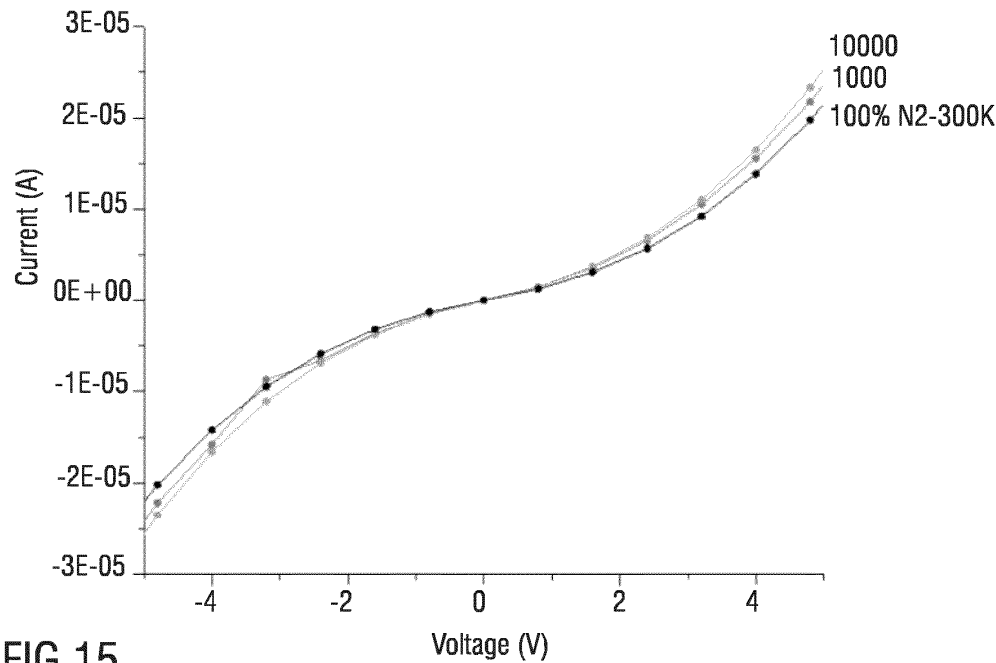


FIG 15

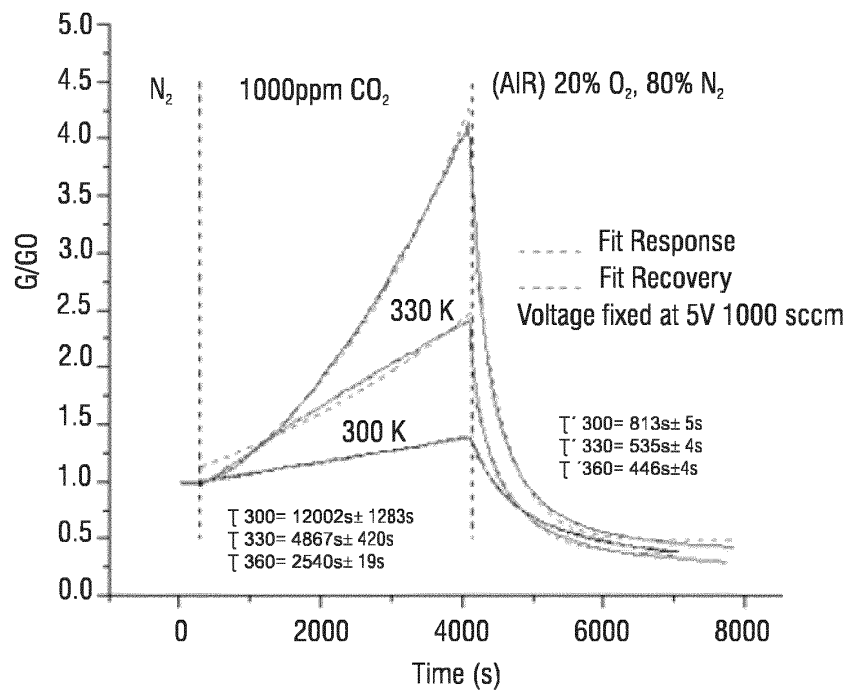


FIG 16

10/16

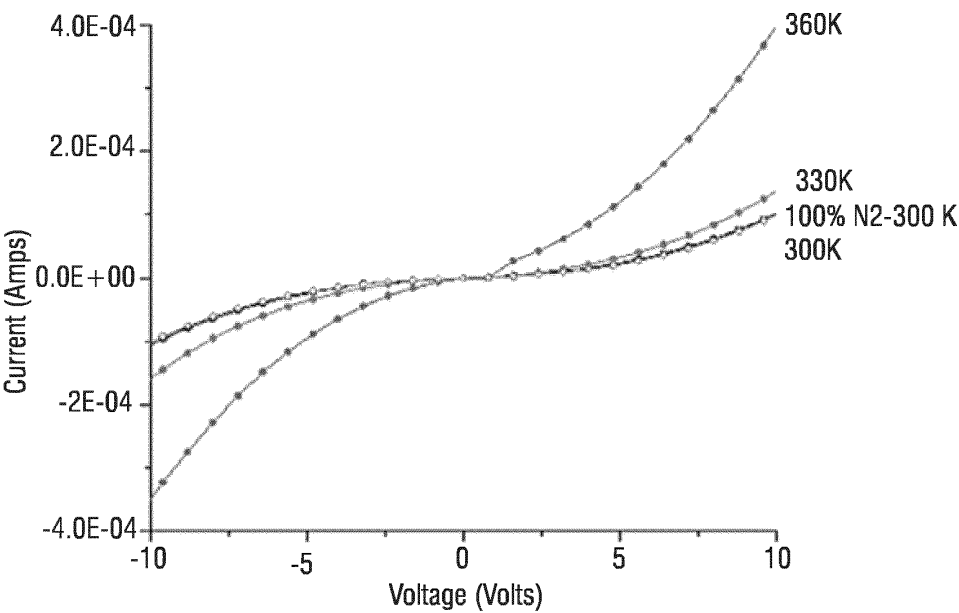


FIG 17

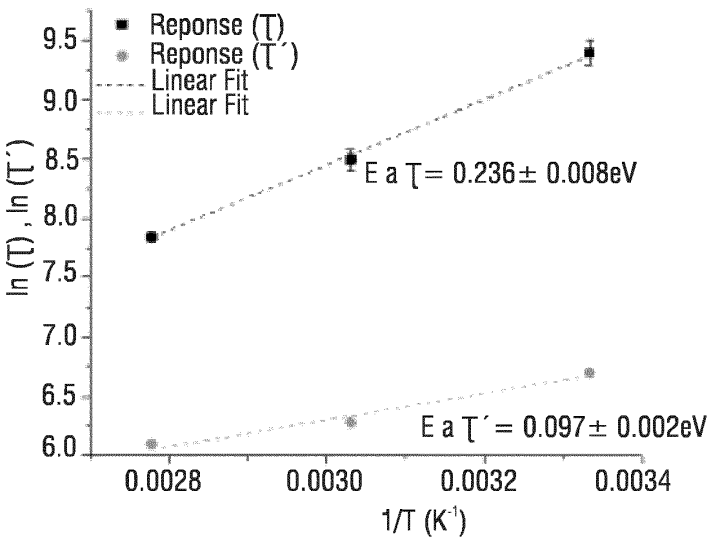


FIG 19

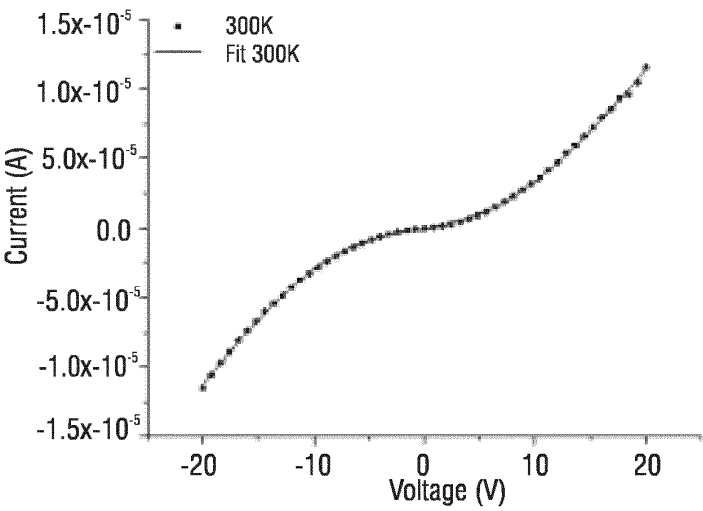


FIG 20

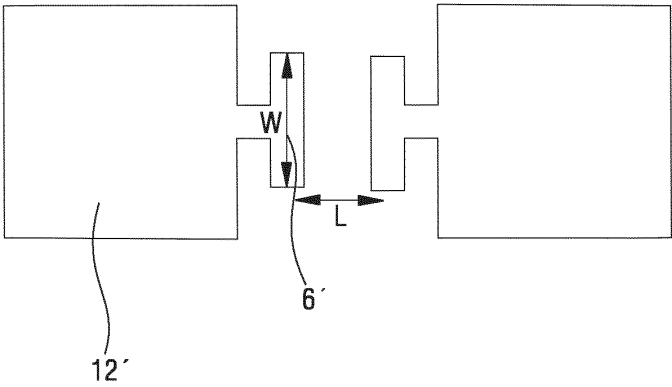


FIG 21

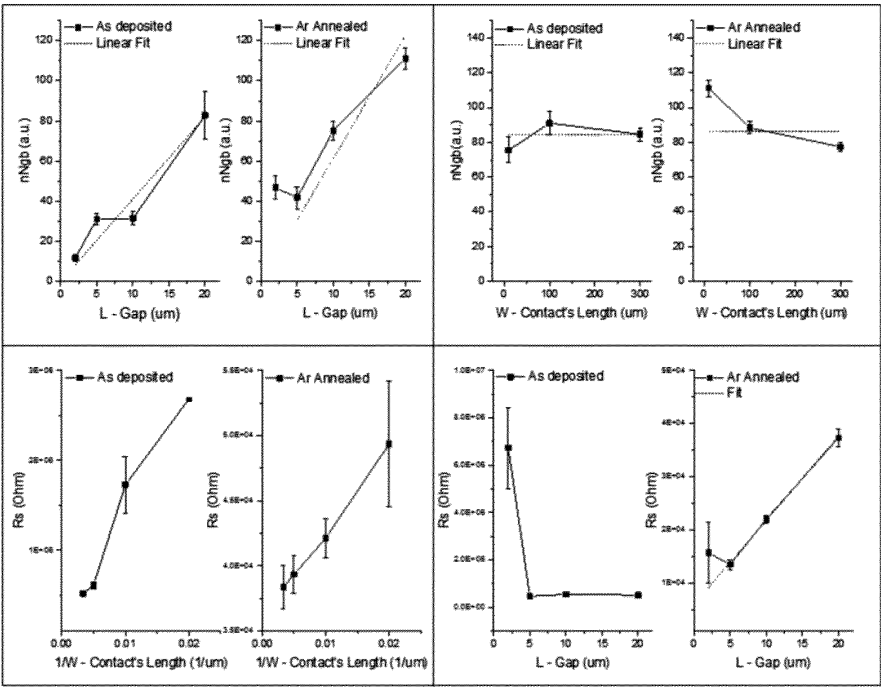


FIG 22

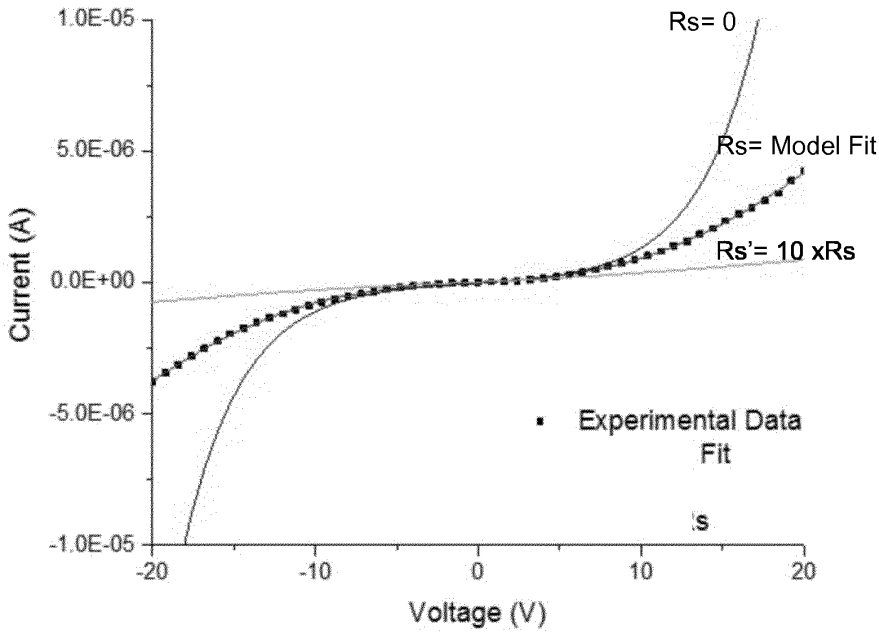


FIG 23

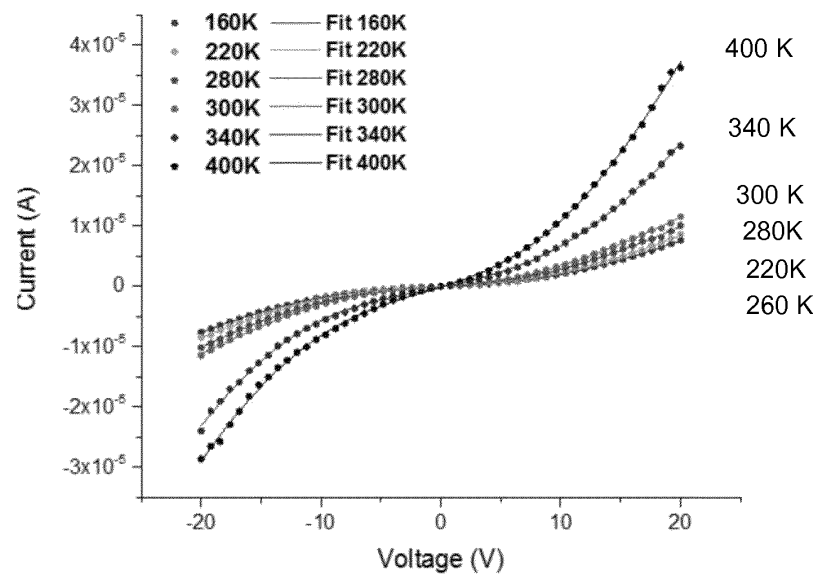


FIG 24

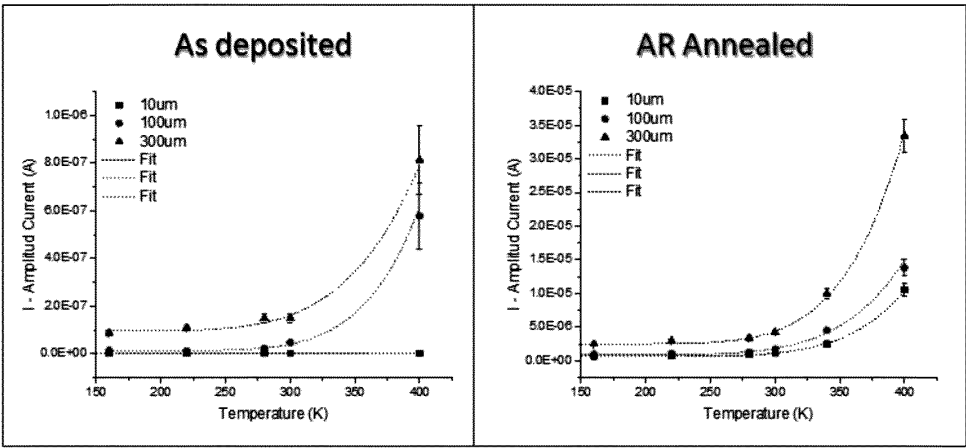


FIG 25

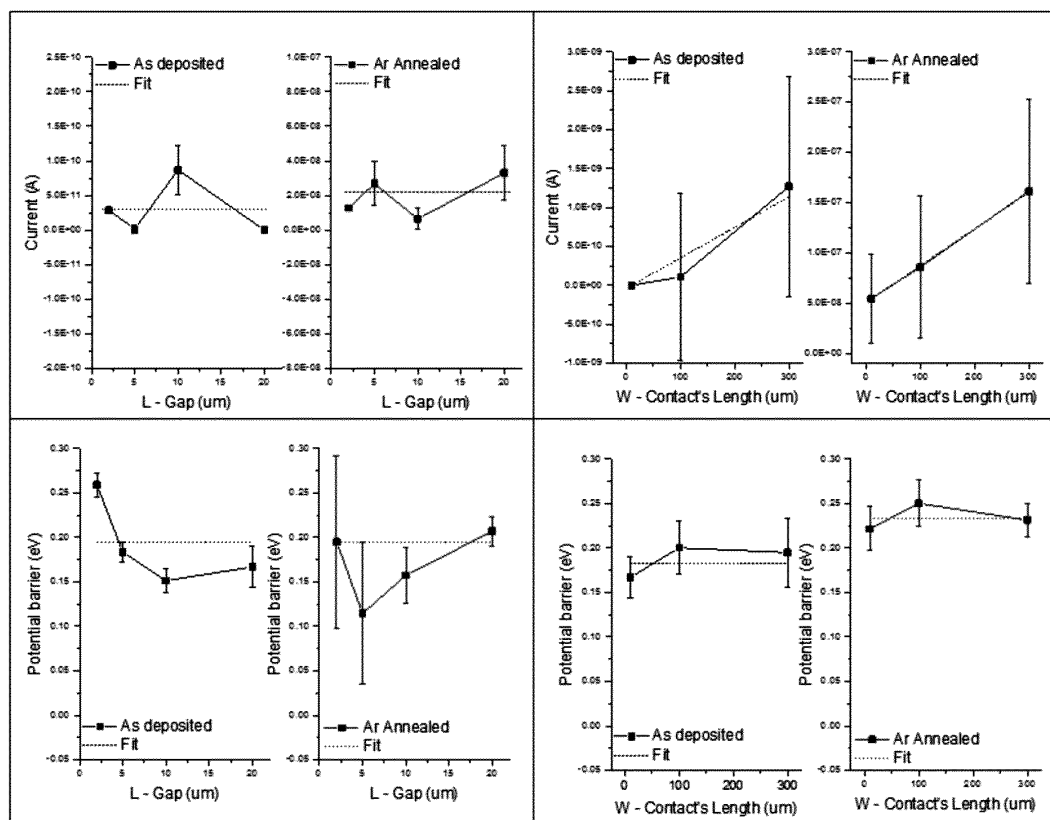


FIG 26

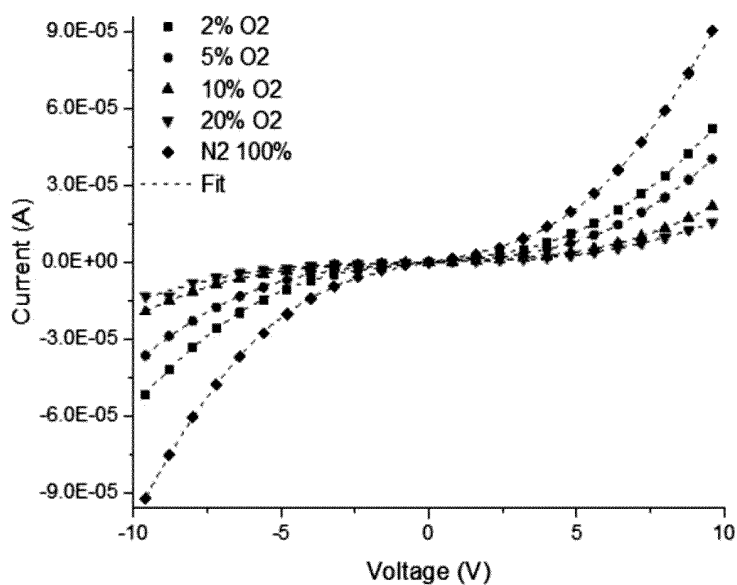


FIG 27

	N ₂ -100%	2% O ₂	5% O ₂	10% O ₂	20% O ₂
$V_1(V) = \frac{\eta_1 N_{1,GB} K_B T}{q}$	1.92 ± 0.05	1.92 ± 0.05	1.82 ± 0.06	2.00 ± 0.07	1.7 ± 0.4
$V_2(V) = \frac{\eta_2 N_{2,GB} K_B T}{q}$	1.89 ± 0.05	1.82 ± 0.05	1.99 ± 0.06	2.03 ± 0.06	1.6 ± 0.3
$R_s(Ohms)$	26525 ± 990	45294 ± 1770	52271 ± 2670	74259 ± 5578	142909 ± 42093
$I_1(A)$	2.06E-6 ± 1.5E-7	1.18E-6 ± 8.7E-8	6.39E-7 ± 6.2E-8	4.01E-7 ± 3.9E-8	1.92E-7 ± 1.3E-7
$I_2(A)$	2.15E-6 ± 1.6E-7	9.52E-7 ± 7.9E-8	7.72E-7 ± 6.3E-8	3.46E-7 ± 3.2E-8	1.40E-7 ± 9.6E-8

FIG 28

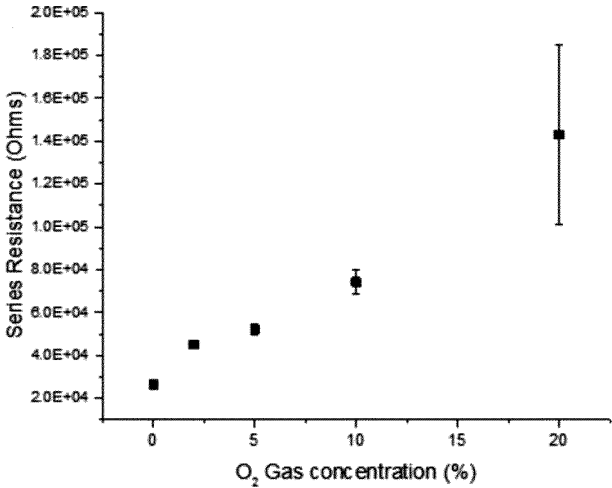


FIG 29

16/16

