

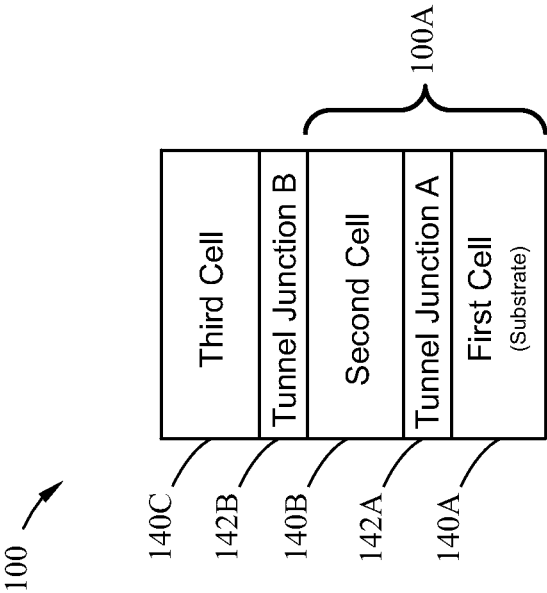


FIG. 1A

100T1-2

Top Cell Bandgap (eV)	Efficiency (%)
2.26	24%
2.21	26%
2.16	28%
2.11	29%
2.06	31%
2.01	33%
1.96	35%
1.91	37%
1.86	39%
1.81	41%
1.76	43%
1.71	44%
1.66	43%
1.61	42%
1.56	41%
1.51	40%
1.46	39%
1.41	38%
1.36	37%
1.31	36%

FIG. 1C

100T1-1

Third Cell 140C Bandgap (eV)	Second Cell 140B Bandgap (eV)									
	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90		
2.30	30.1%	30.9%	31.8%	32.6%	33.5%	34.3%	35.2%	32.1%		
2.20	34.9%	35.9%	36.9%	37.9%	38.9%	39.9%	34.2%	24.6%		
2.10	39.8%	41.0%	42.2%	43.3%	44.5%	35.7%	26.4%	16.9%		
2.00	45.2%	46.6%	47.9%	47.7%	37.2%	27.3%	18.1%	8.8%		
1.90	43.8%	45.2%	46.5%	46.4%	36.2%	26.6%	17.6%			
1.80	42.4%	43.8%	45.2%	45.0%	35.2%	25.9%				
1.70	41.0%	42.0%	43.8%	43.7%	34.1%					
1.60	39.7%	41.0%	42.4%	42.4%						

FIG. 1B

100T2-2

Top Cell Bandgap (eV)	Efficiency (%)
2.26	18%
2.21	19%
2.16	20%
2.11	21%
2.06	23%
2.01	24%
1.96	25%
1.91	27%
1.86	28%
1.81	30%
1.76	31%
1.71	31%
1.66	31%
1.61	27%
1.56	24%
1.51	21%
1.46	18%
1.41	15%
1.36	12%
1.31	10%

FIG. 1E

100T2-1

Third Cell 140C Bandgap (eV)	Second Cell 140B Bandgap (eV)									
	1.20	1.30	1.40	1.50	1.60	1.70	1.80	1.90		
2.30	10.0%	21.6%	24.0%	24.7%	25.4%	26.1%	26.9%	24.9%		
2.20	9.7%	20.9%	27.1%	28.4%	29.3%	30.1%	26.6%	19.2%		
2.10	9.4%	20.3%	28.8%	32.5%	32.7%	28.0%	20.5%	13.2%		
2.00	9.1%	19.6%	27.7%	34.8%	28.8%	21.3%	14.0%	6.7%		
1.90	8.7%	19.0%	26.8%	29.9%	21.9%	14.5%	7.2%			
1.80	8.4%	18.3%	25.9%	22.5%	14.6%	7.3%				
1.70	8.1%	17.7%	23.2%	15.2%	7.3%					
1.60	7.8%	17.0%	16.1%	7.8%						

FIG. 1D

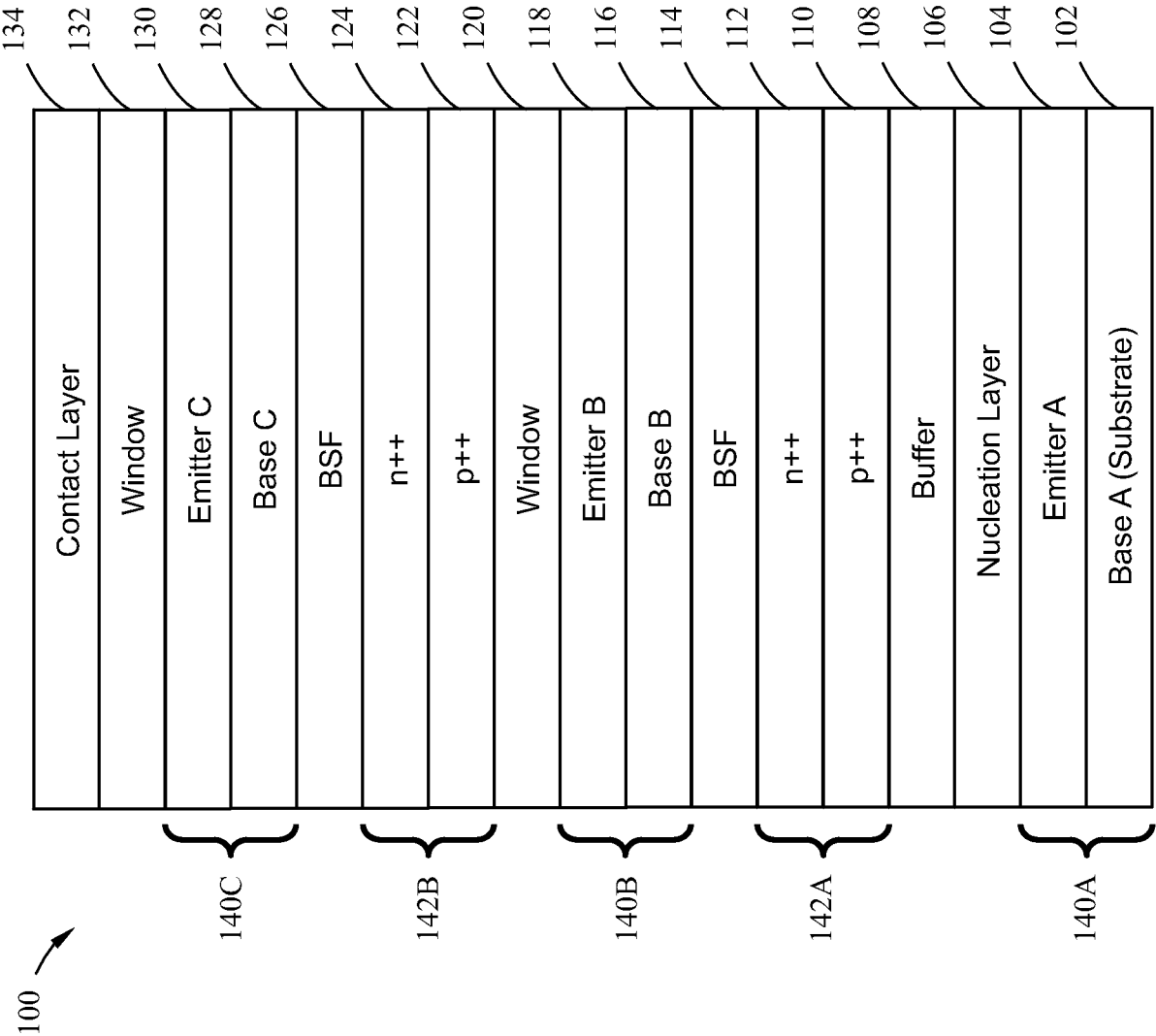


FIG. 1F

200

200G

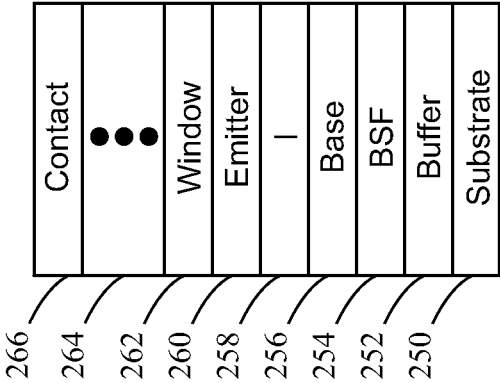


FIG. 2A

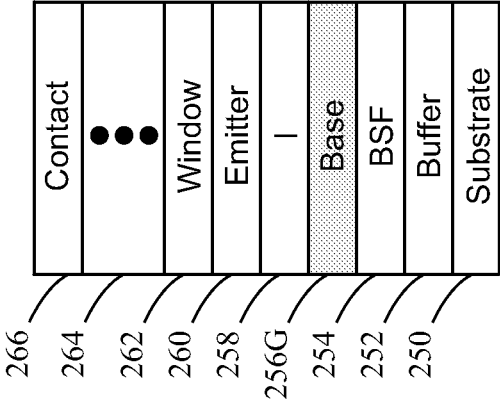


FIG. 2B

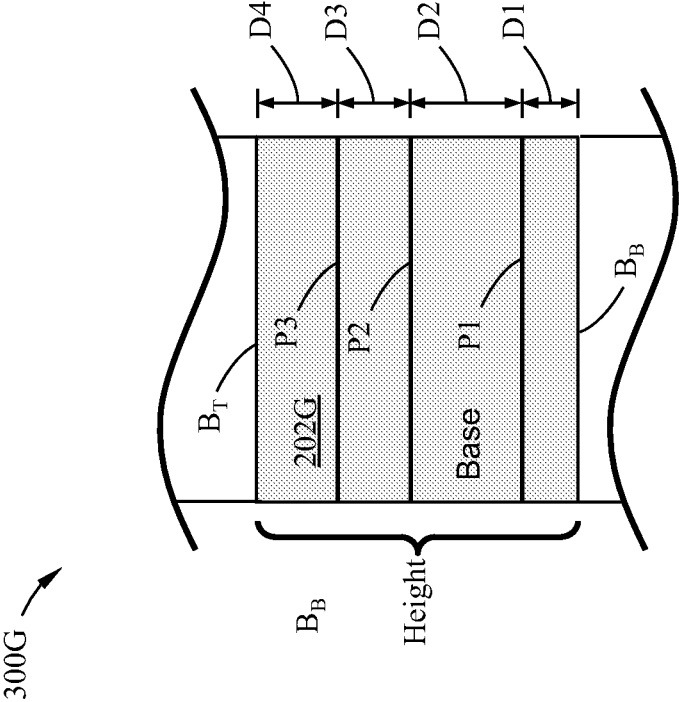


FIG. 3

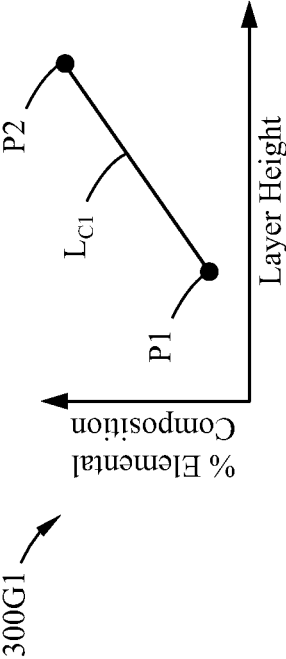


FIG. 4A

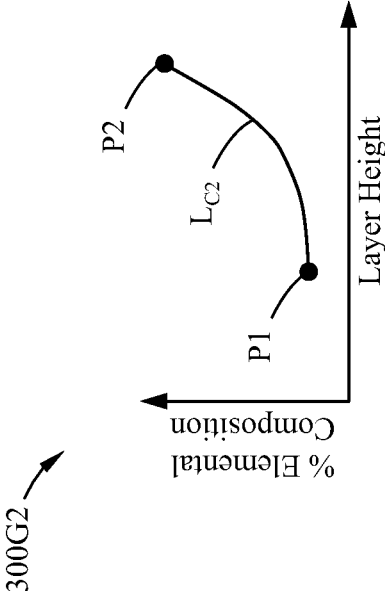


FIG. 4B

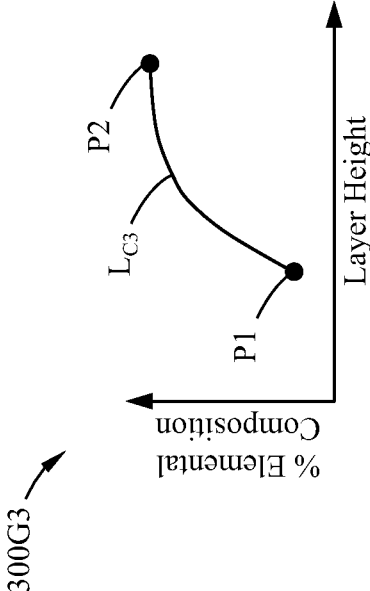
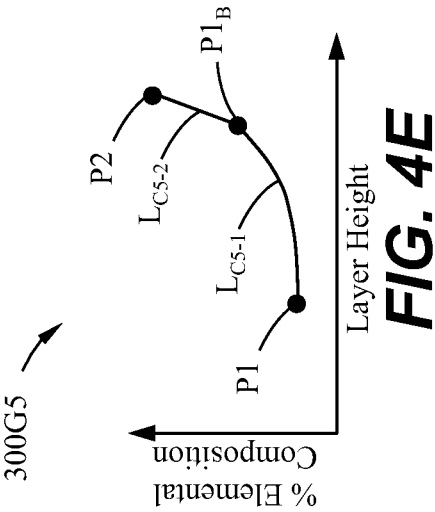
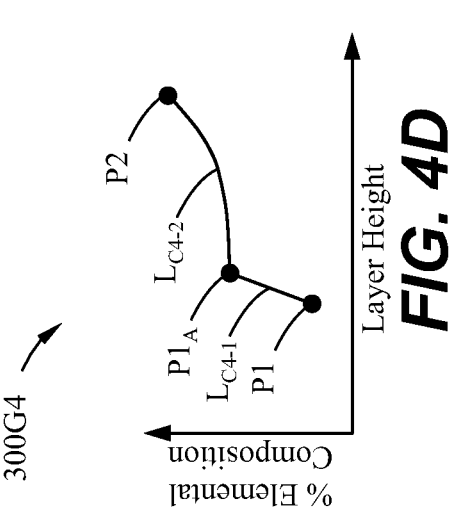
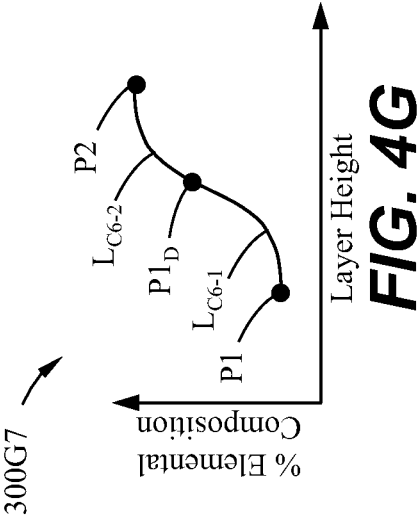
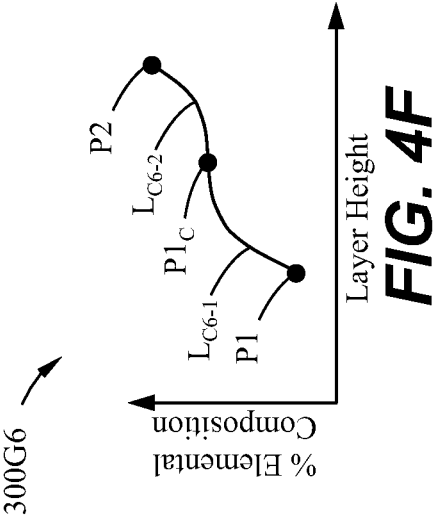
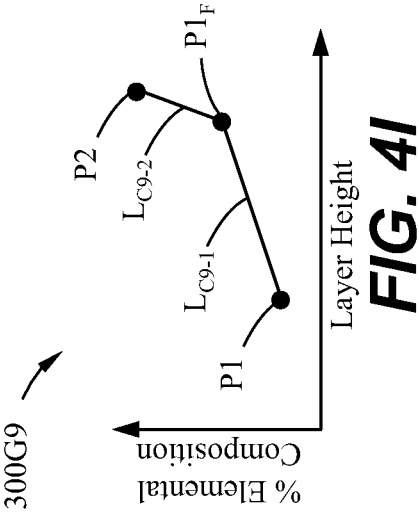
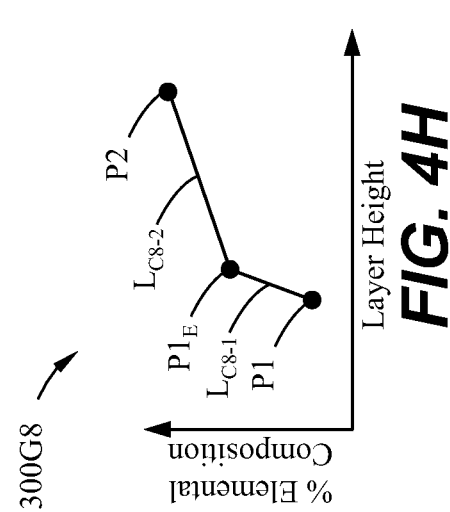
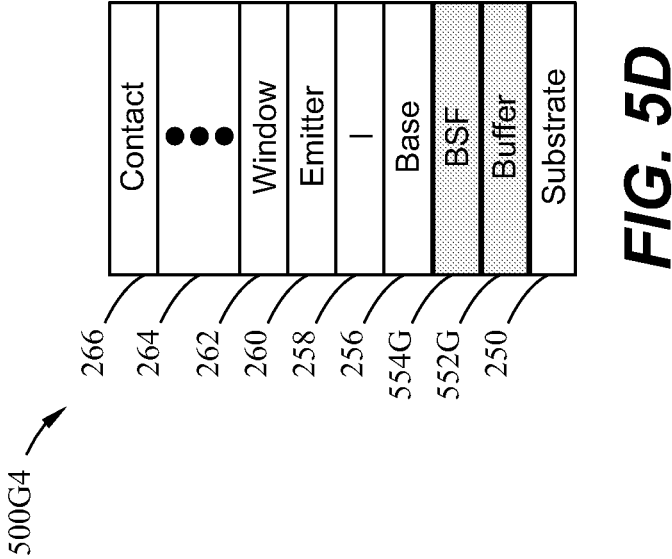
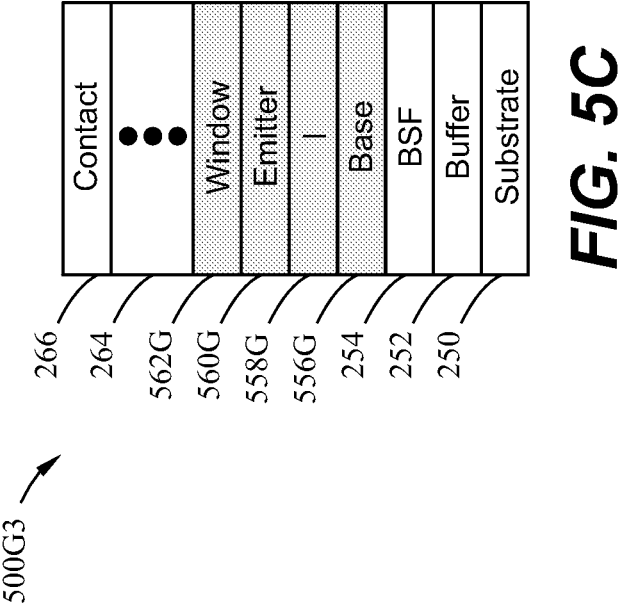
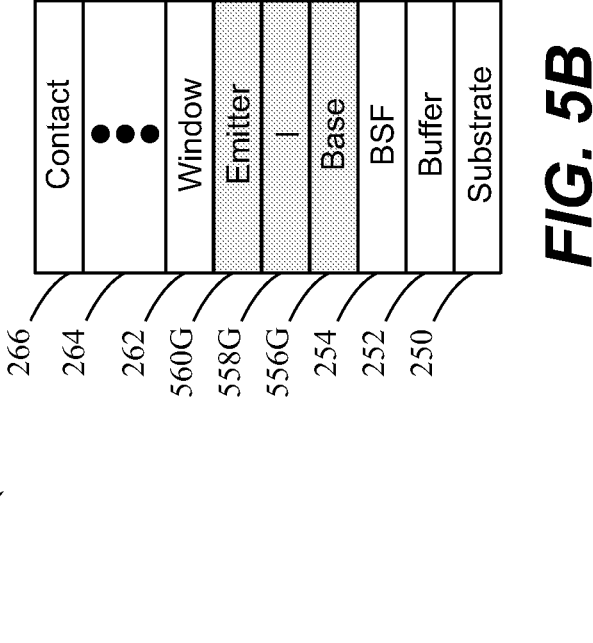
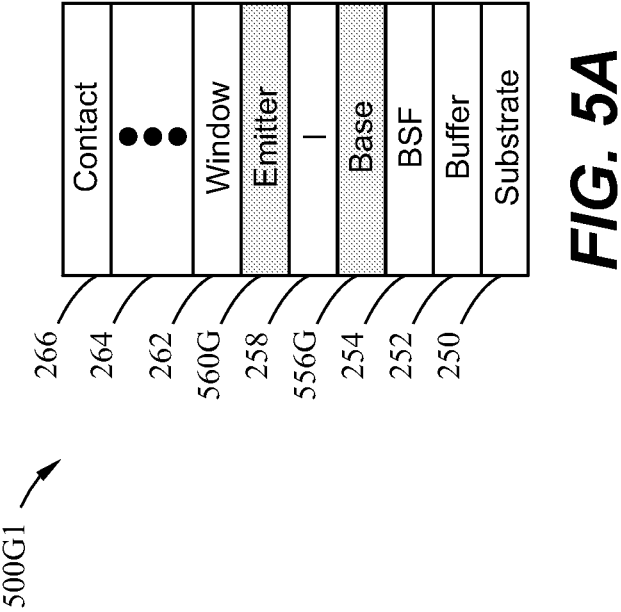


FIG. 4C





500G5 ↗

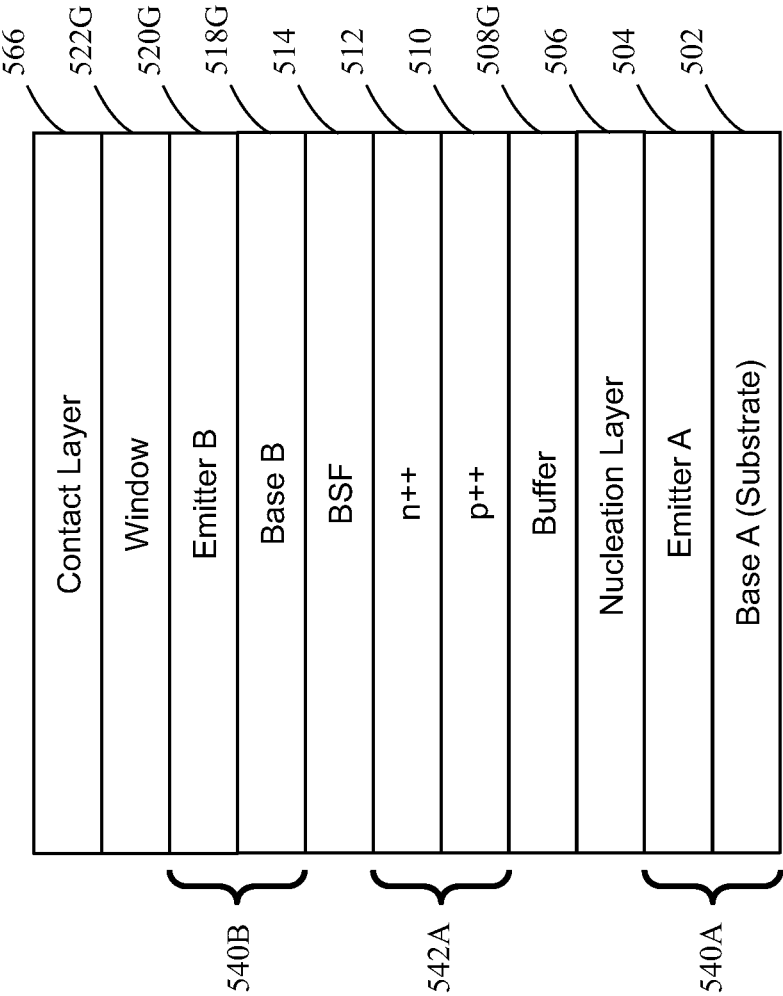


FIG. 5E

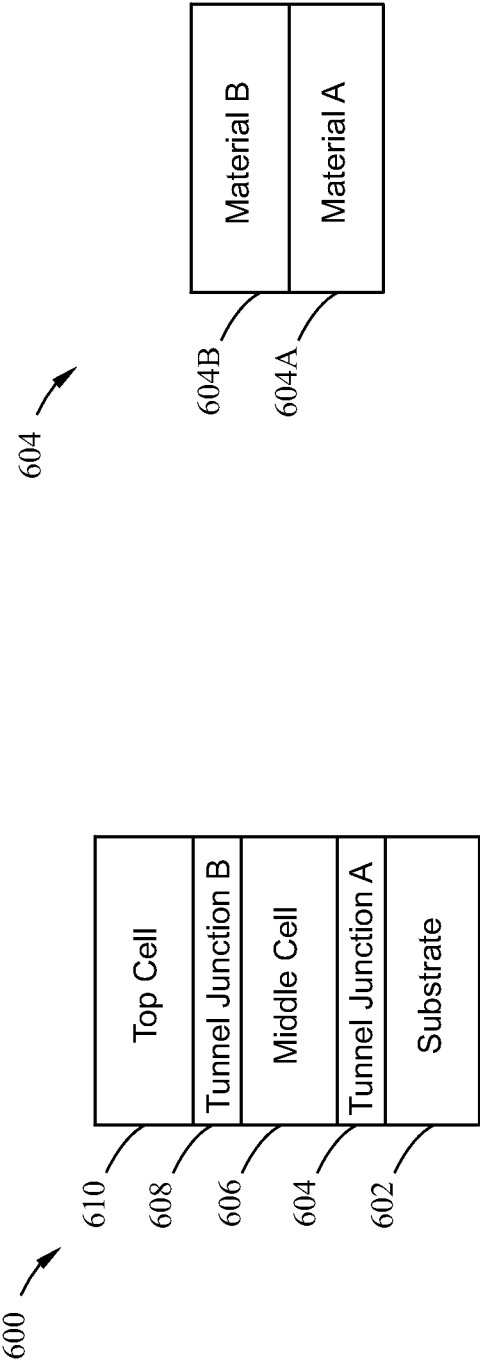


FIG. 6A

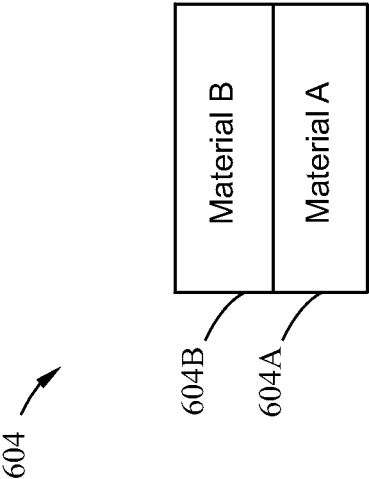


FIG. 6B

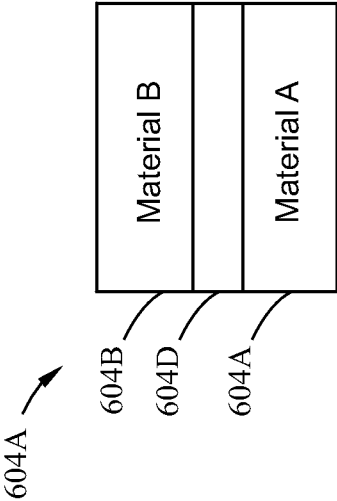


FIG. 6C

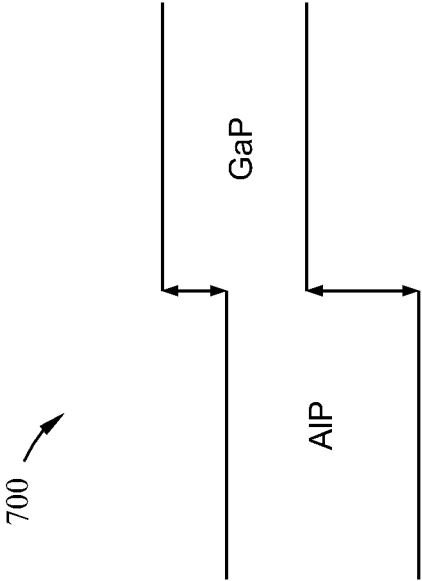


FIG. 7

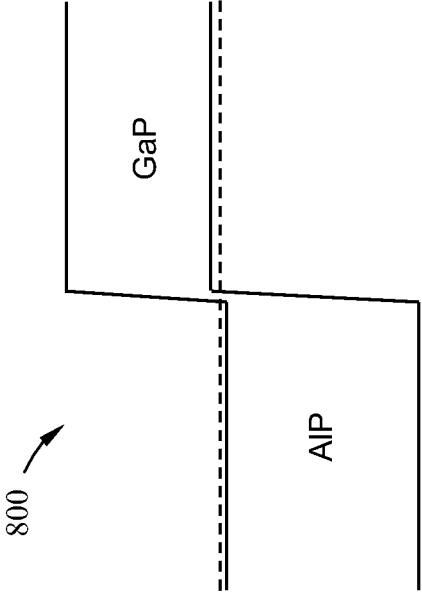


FIG. 8

Figure 9

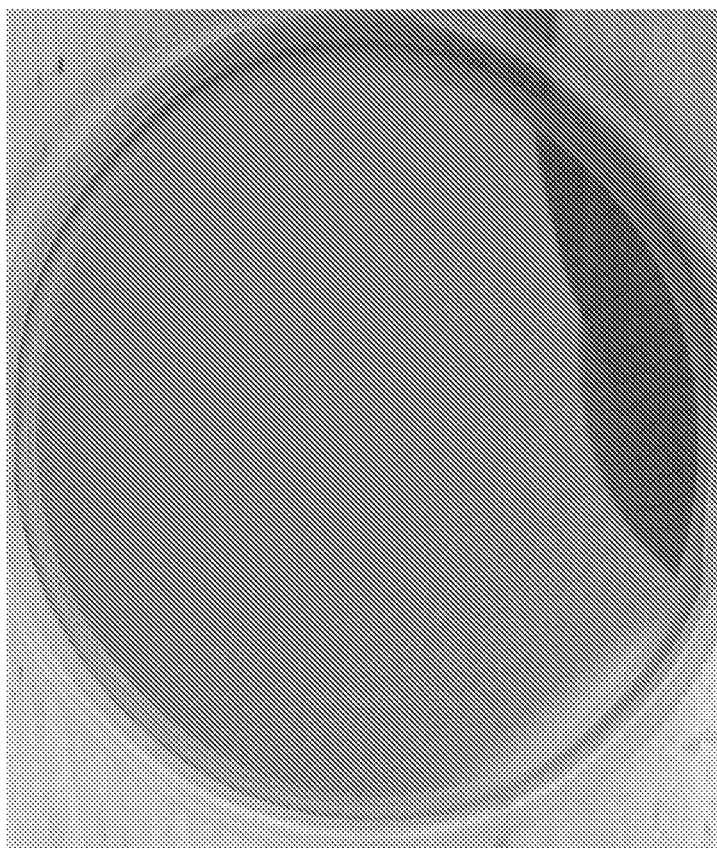


Figure 10

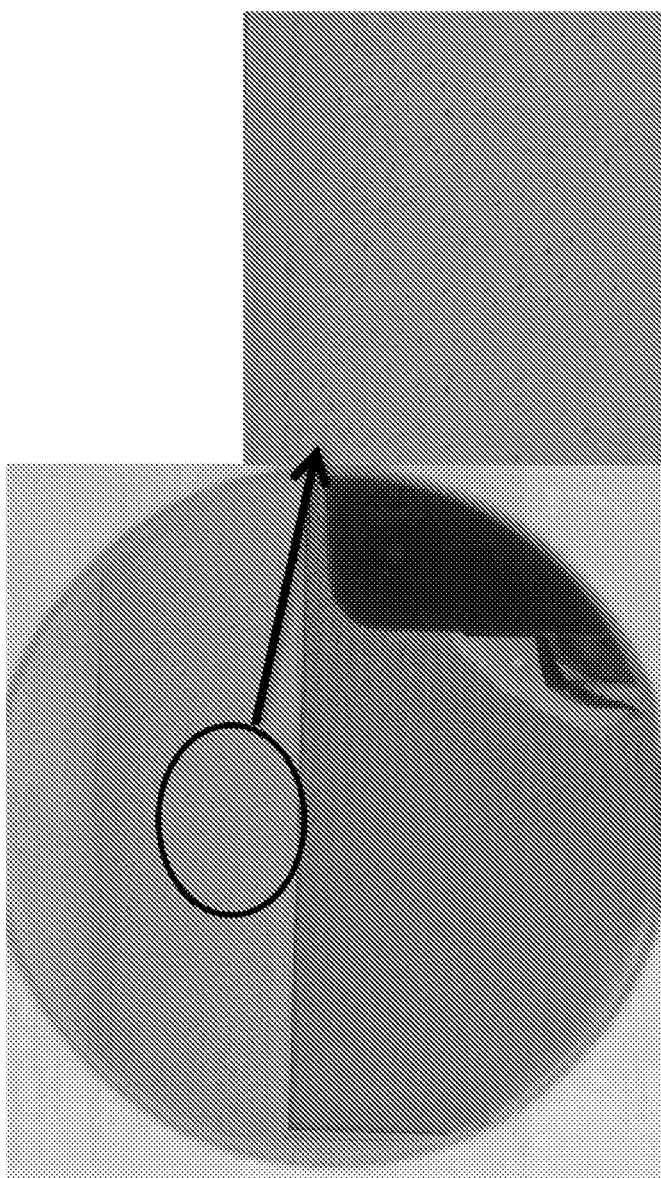


Figure 11

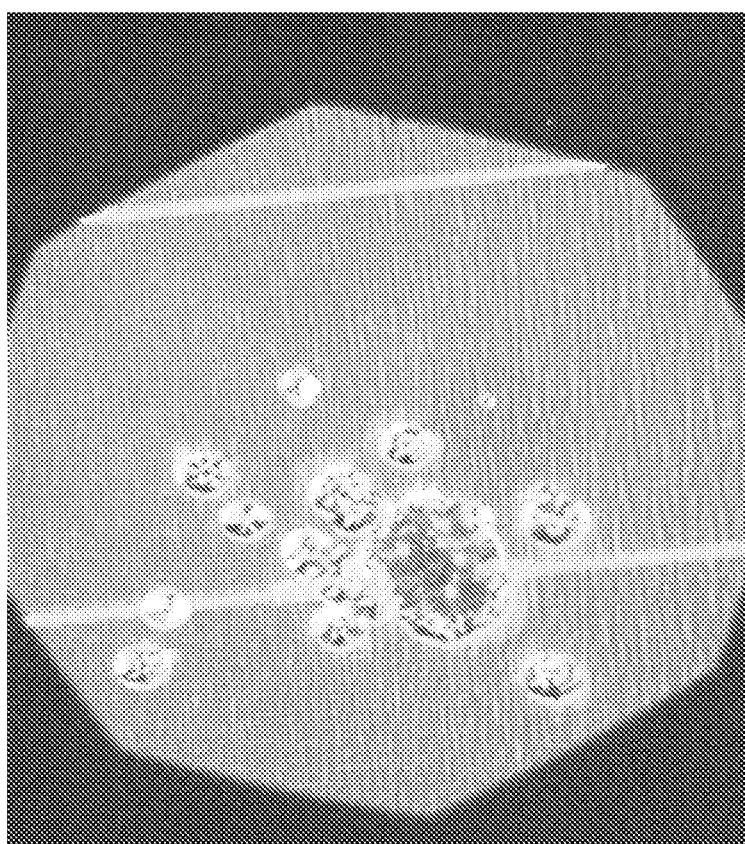


Figure 12

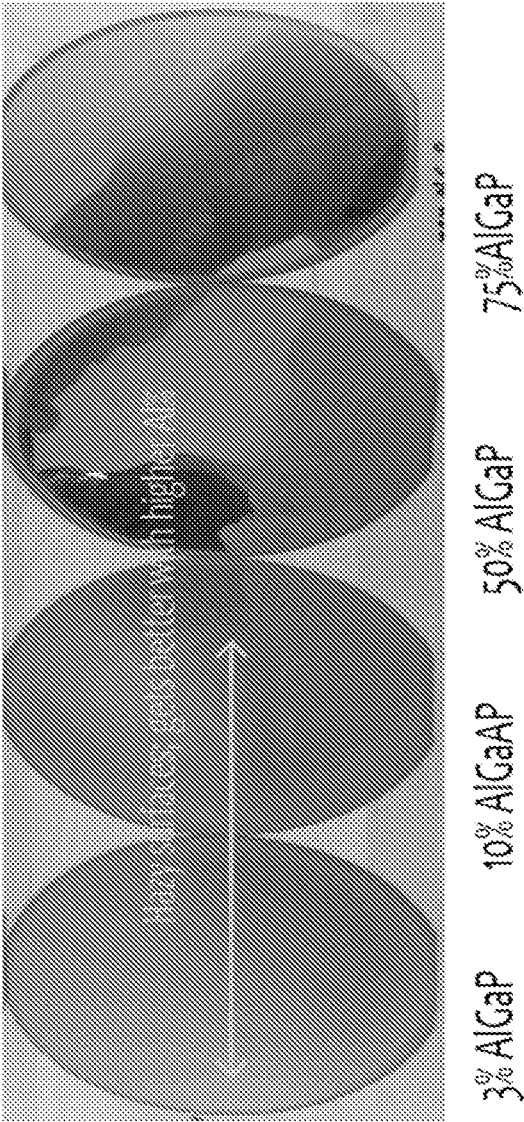


Figure 13

