

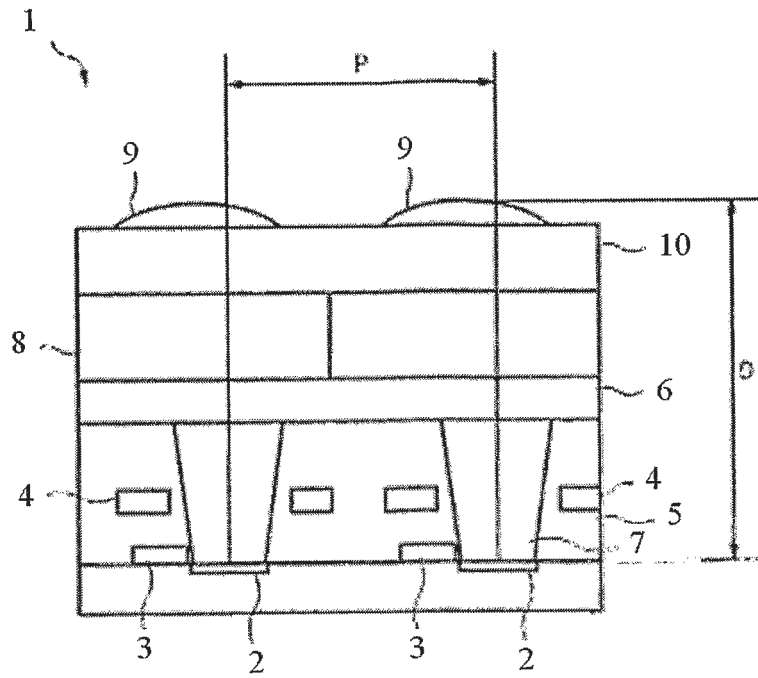


FIG. 1A
Prior Art

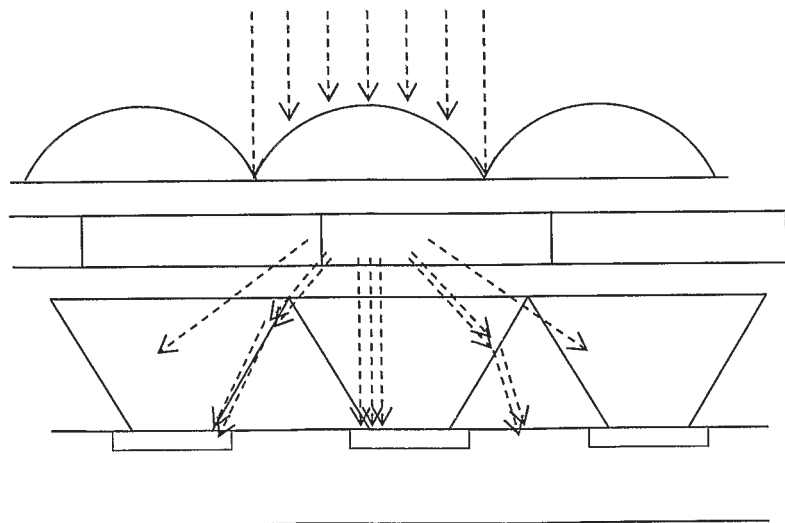


FIG. 1B
Prior Art

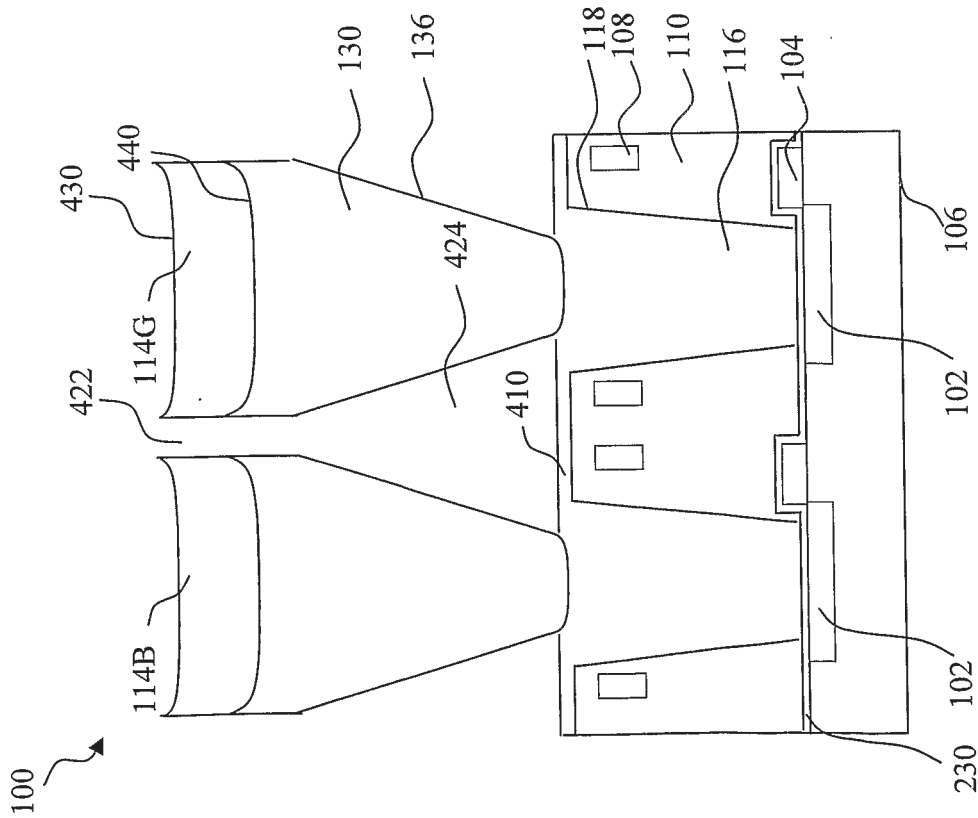


FIG. 2

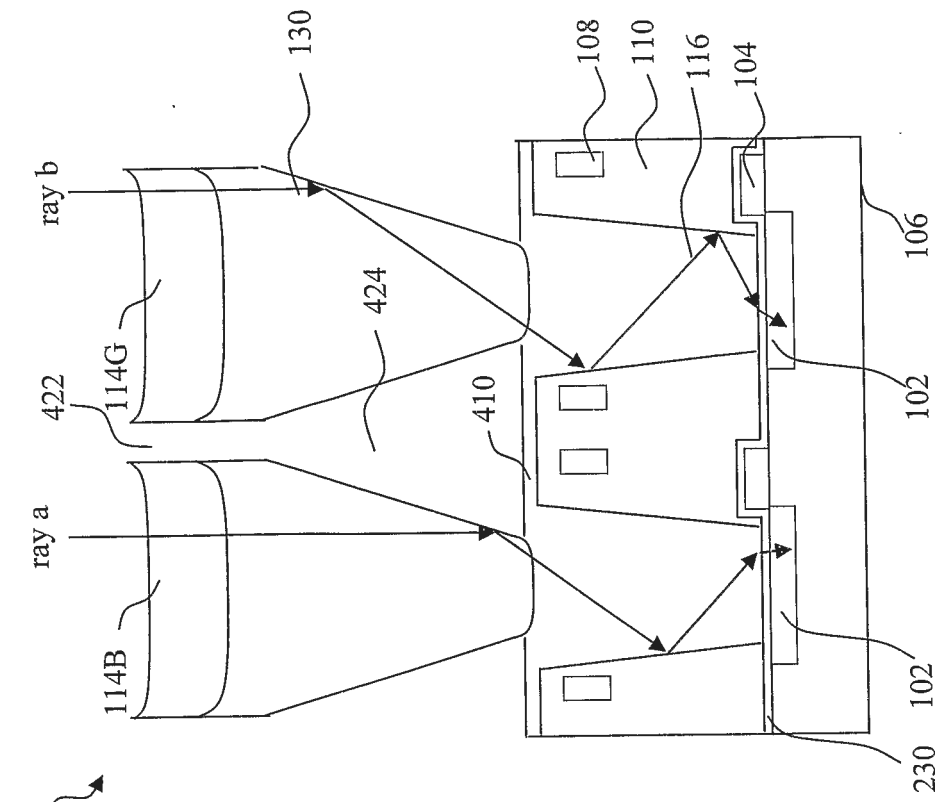


FIG. 5

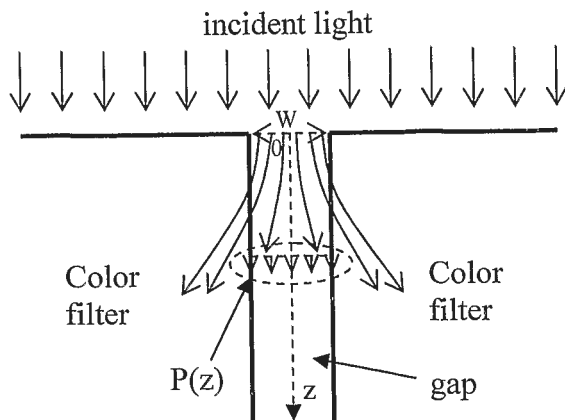


FIG. 3A

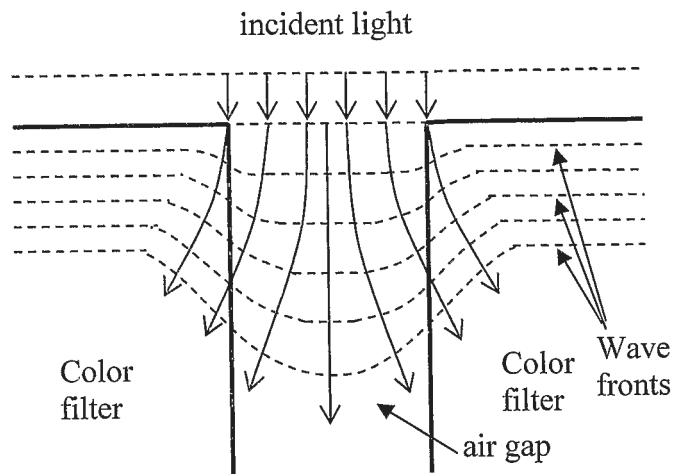


FIG. 3B

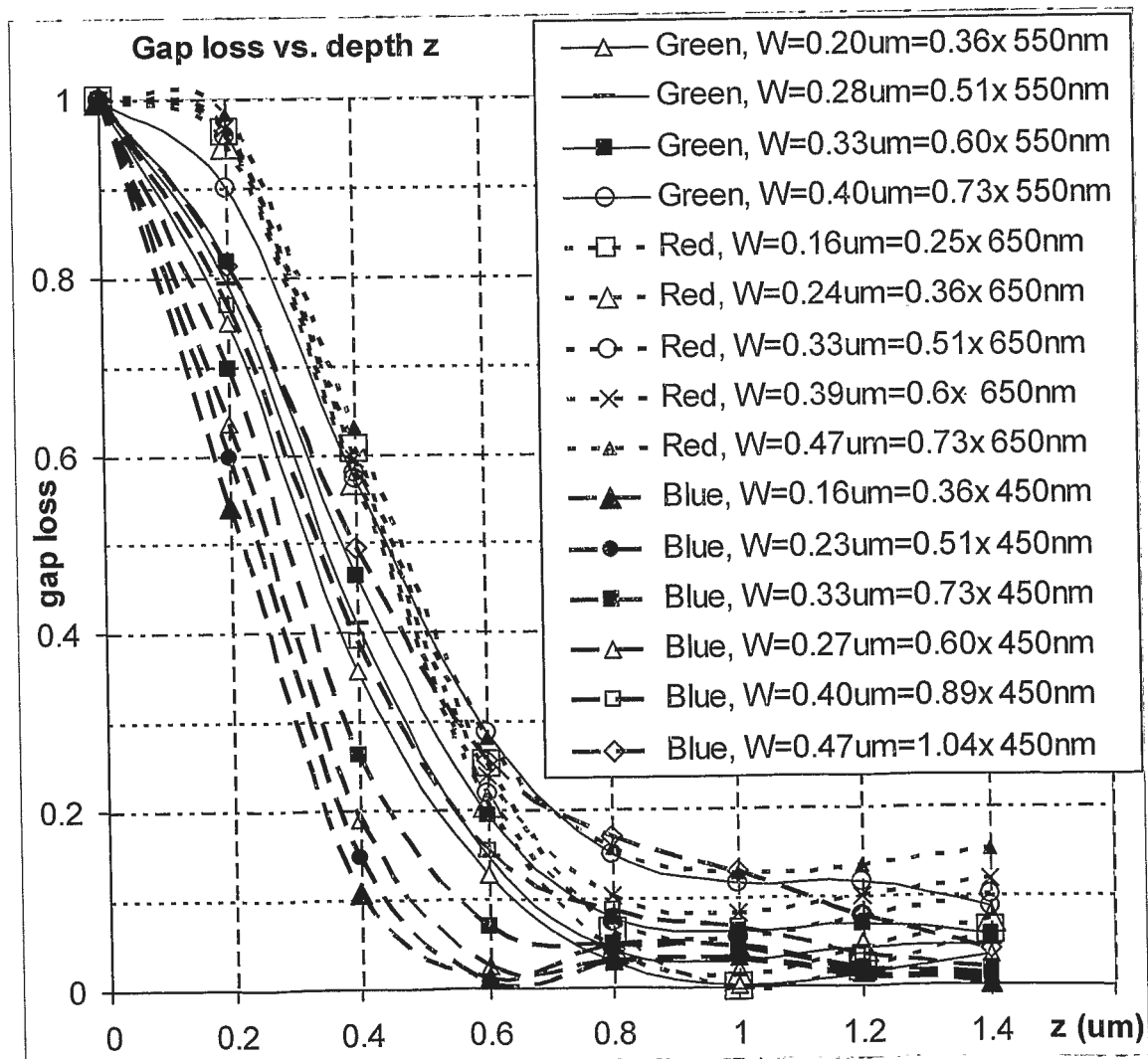


FIG. 3C

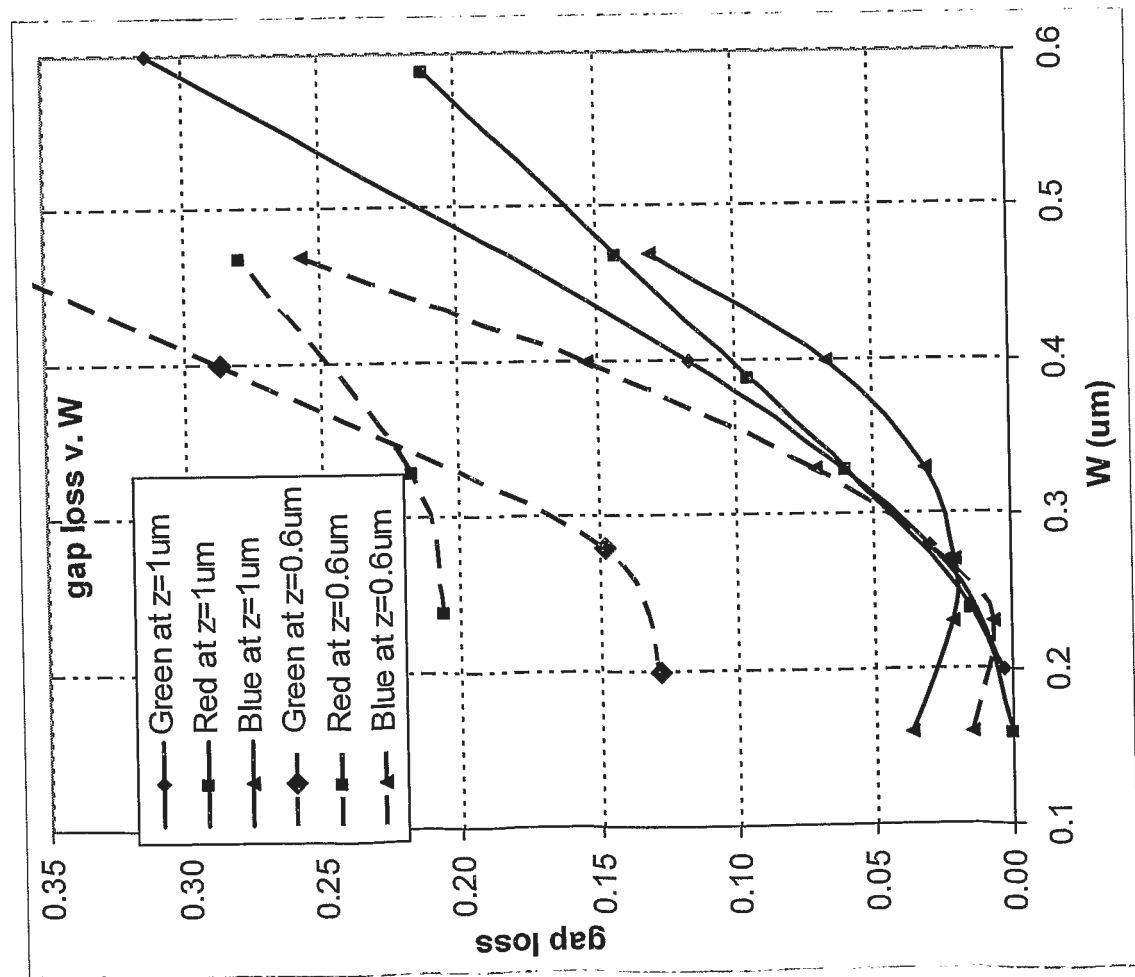


FIG. 3D

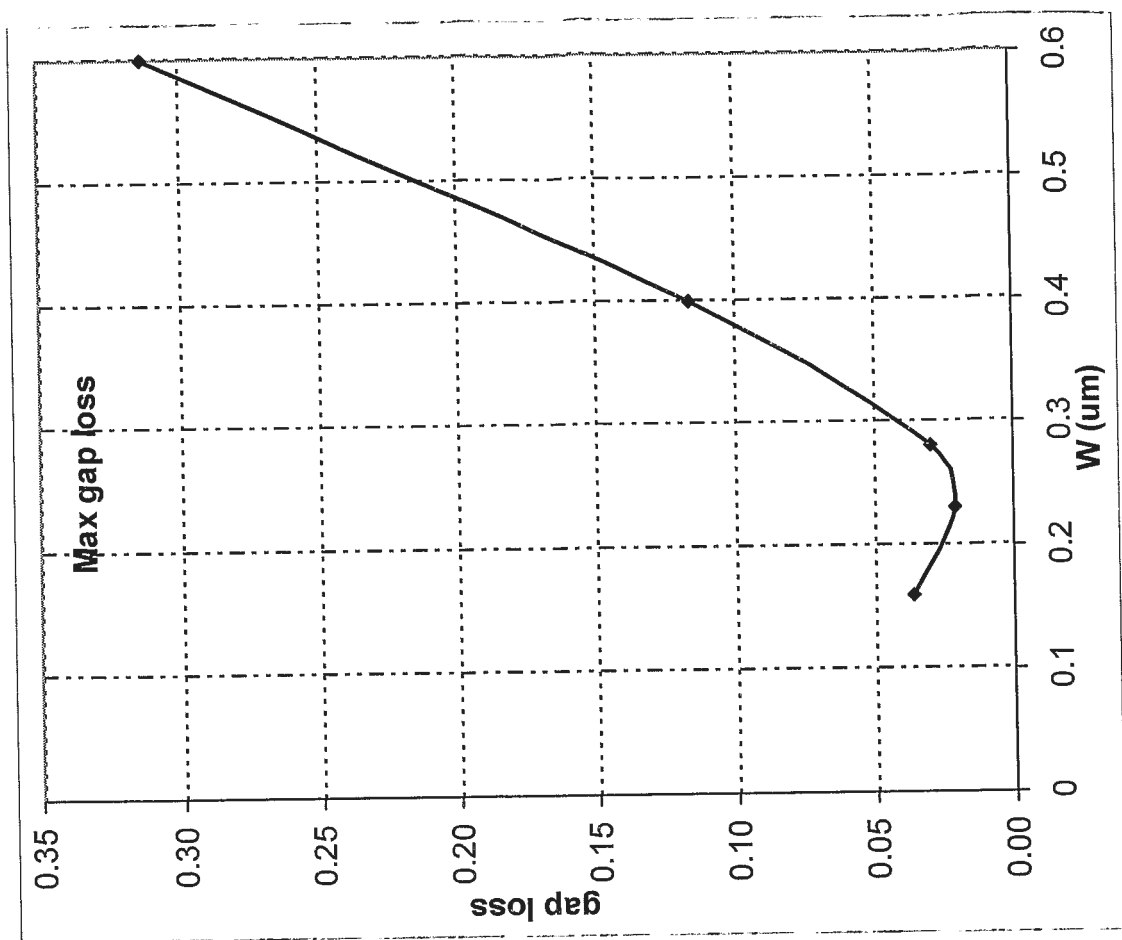


FIG. 3E

		gap width (um)						
		0.2	0.25	0.3	0.35	0.4	0.45	0.5
		2.5%	2.1%	4.0%	7.0%	12%	17%	22%

FIG. 3F

pitch (um)	0.2	0.25	0.3	0.35	0.4	0.45	0.5
1.8	21%	26%	31%	35%	40%	44%	48%
2.2	17%	21%	25%	29%	33%	37%	40%
2.8	14%	17%	20%	23%	27%	30%	33%
4	10%	12%	14%	17%	19%	21%	23%
5.6	7.0%	8.7%	10%	12%	14%	15%	17%

FIG. 3G

pitch (um)	0.2	0.25	0.3	0.35	0.4	0.45	0.5
1.8	0.52%	0.54%	1.2%	2.5%	4.6%	7.2%	10.3%
2.2	0.43%	0.45%	1.0%	2.1%	3.8%	6.1%	8.7%
2.8	0.34%	0.36%	0.81%	1.6%	3.1%	4.9%	7.0%
4	0.24%	0.25%	0.58%	1.2%	2.2%	3.5%	5.0%
5.6	0.18%	0.18%	0.42%	0.85%	1.6%	2.5%	3.7%

FIG. 3H

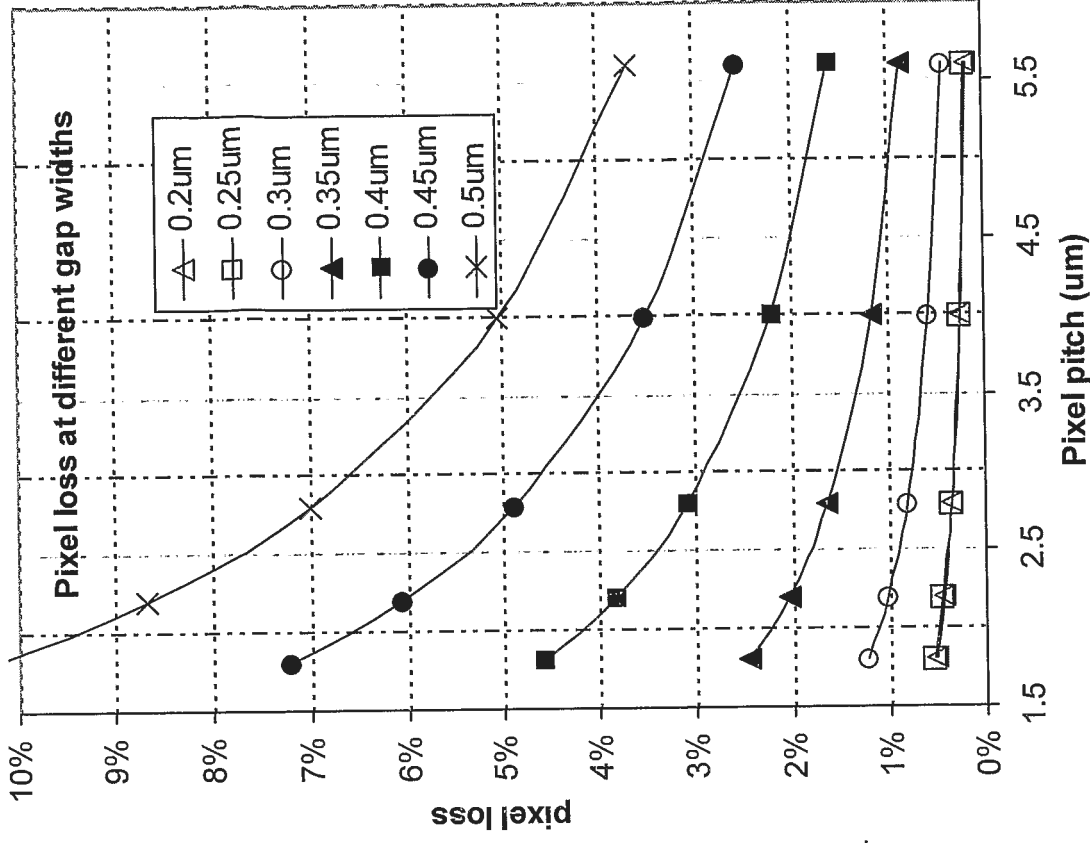


FIG. 3I

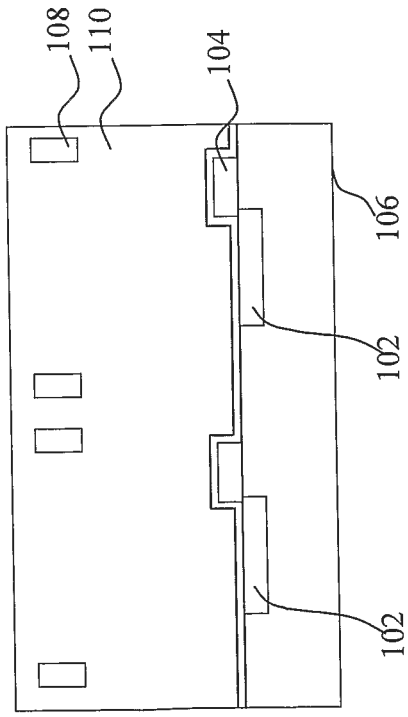


FIG. 4A

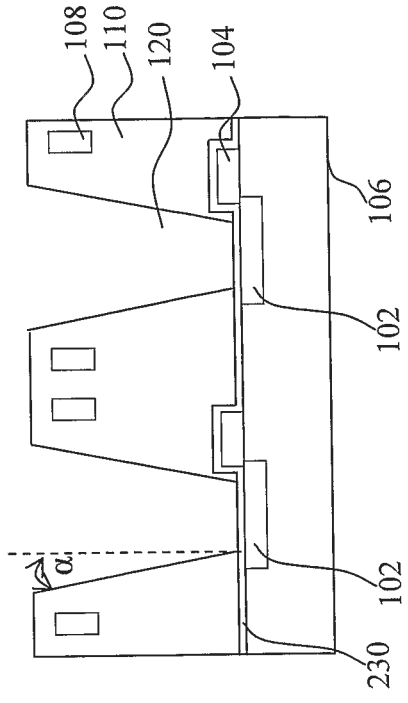


FIG. 4B

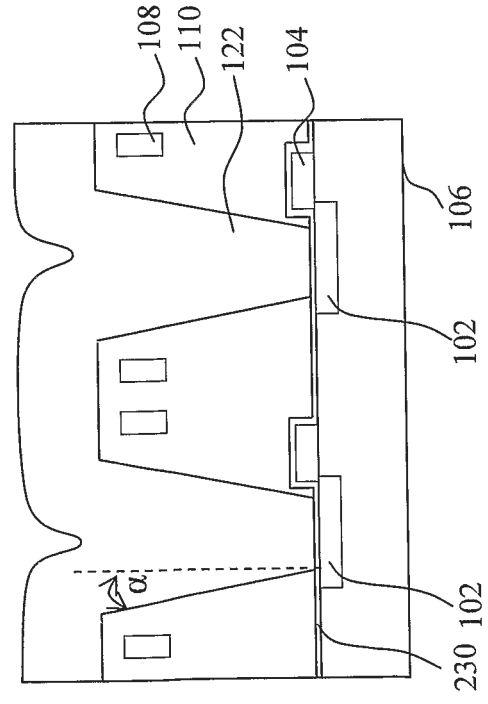


FIG. 4C

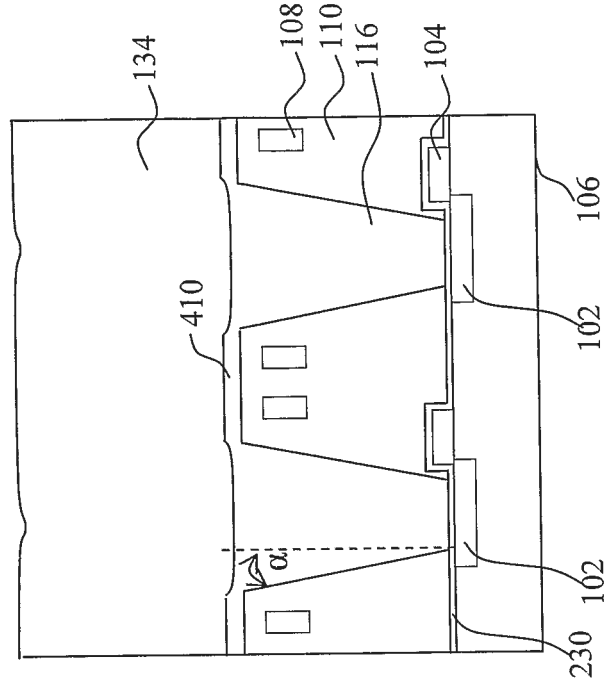
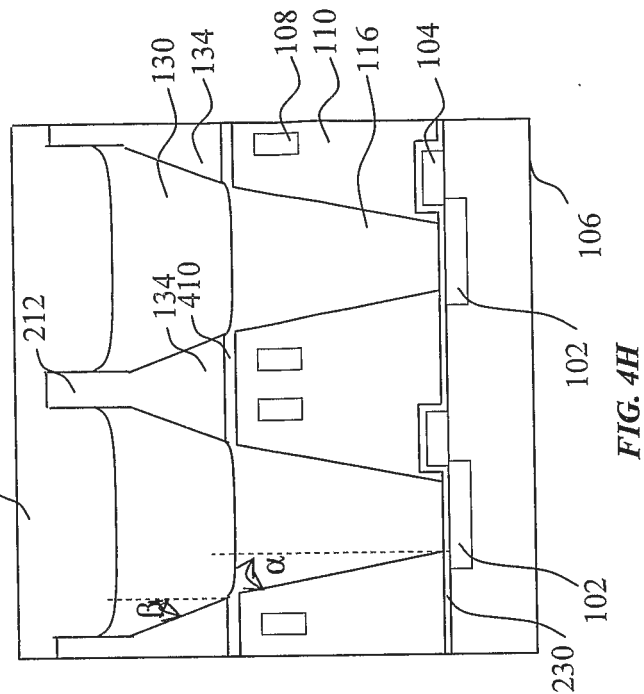
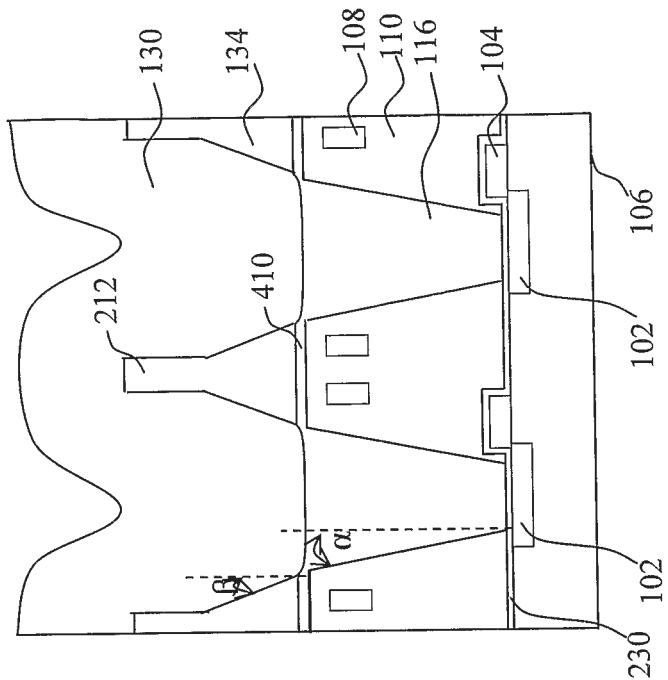
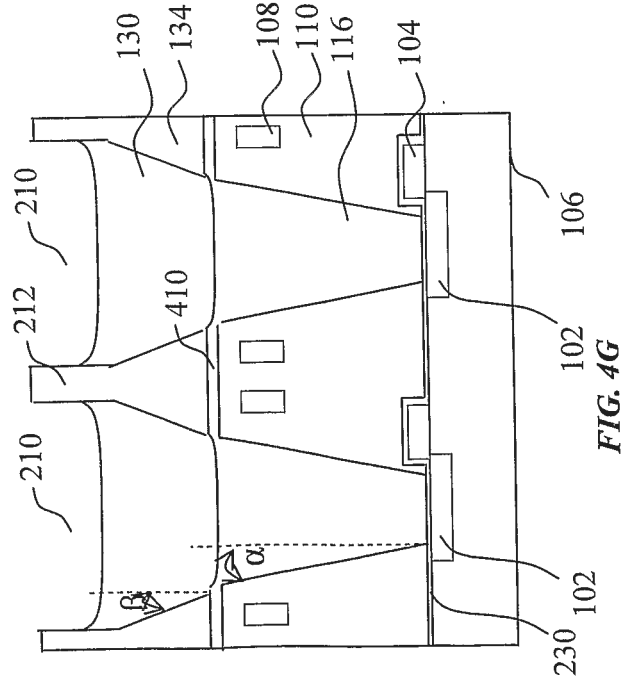
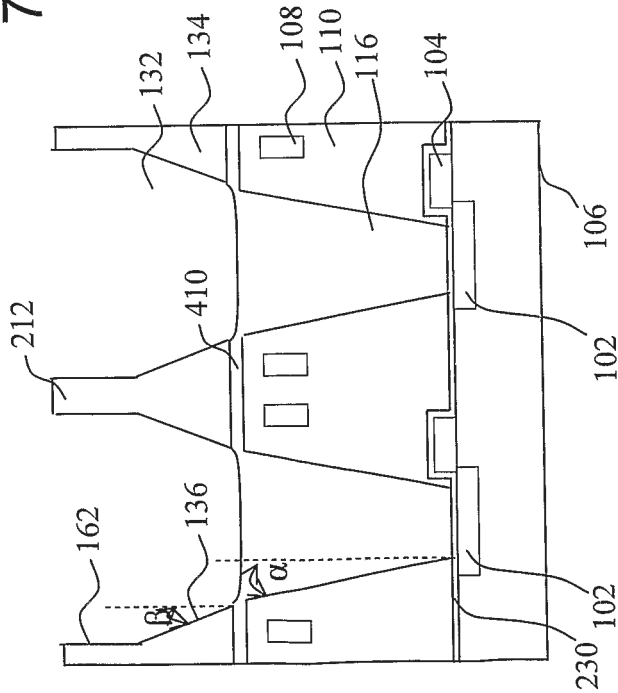


FIG. 4D



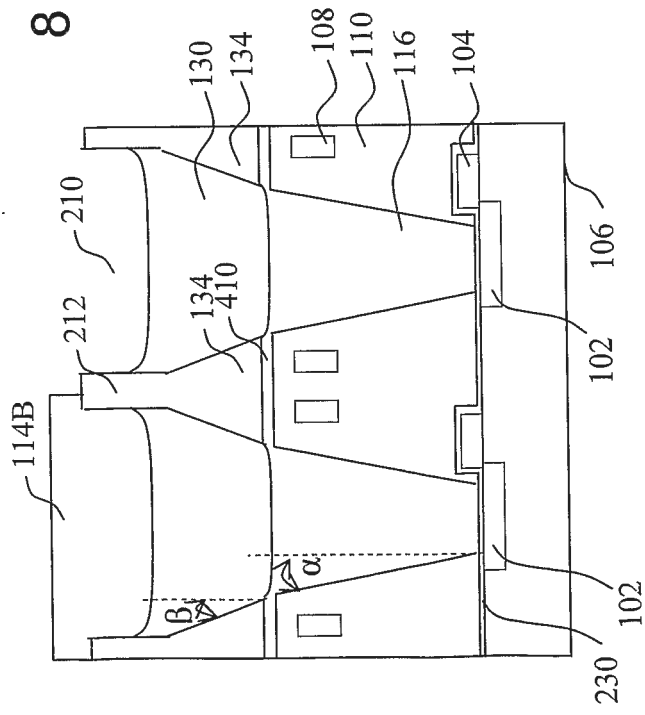


FIG. 4I

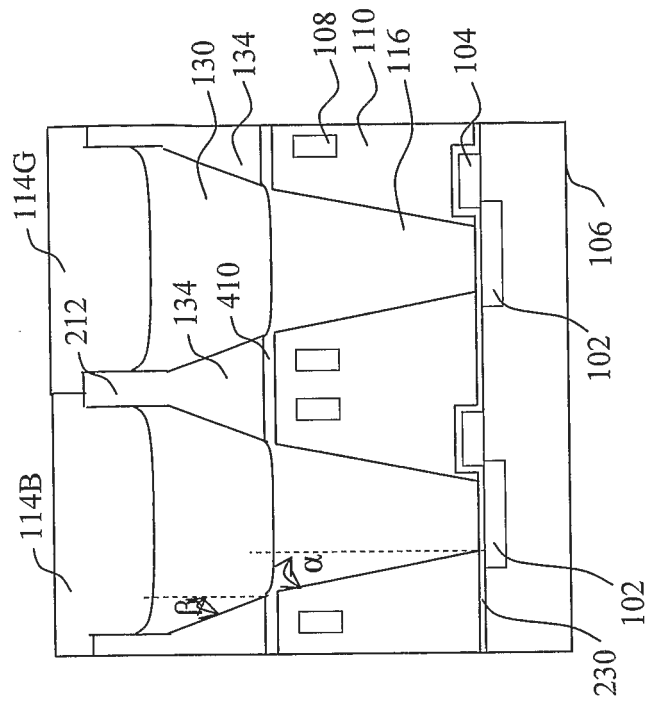


FIG. 4J

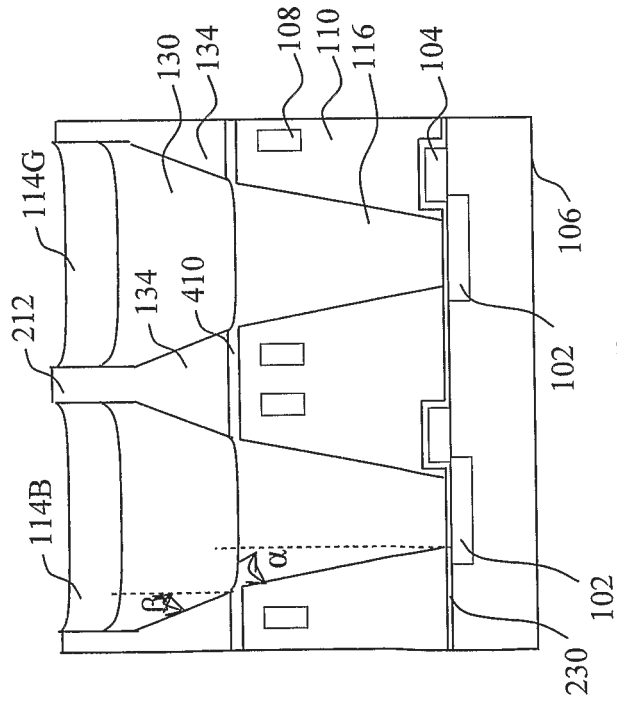


FIG. 4K

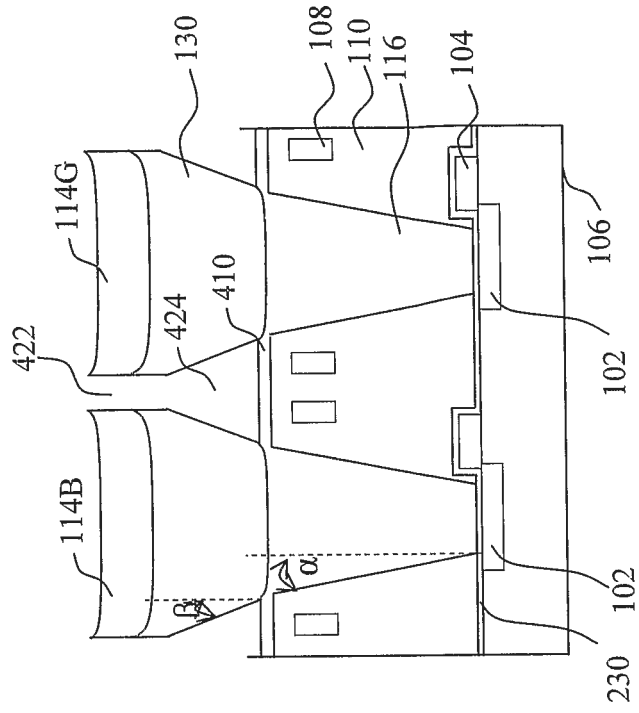


FIG. 4L

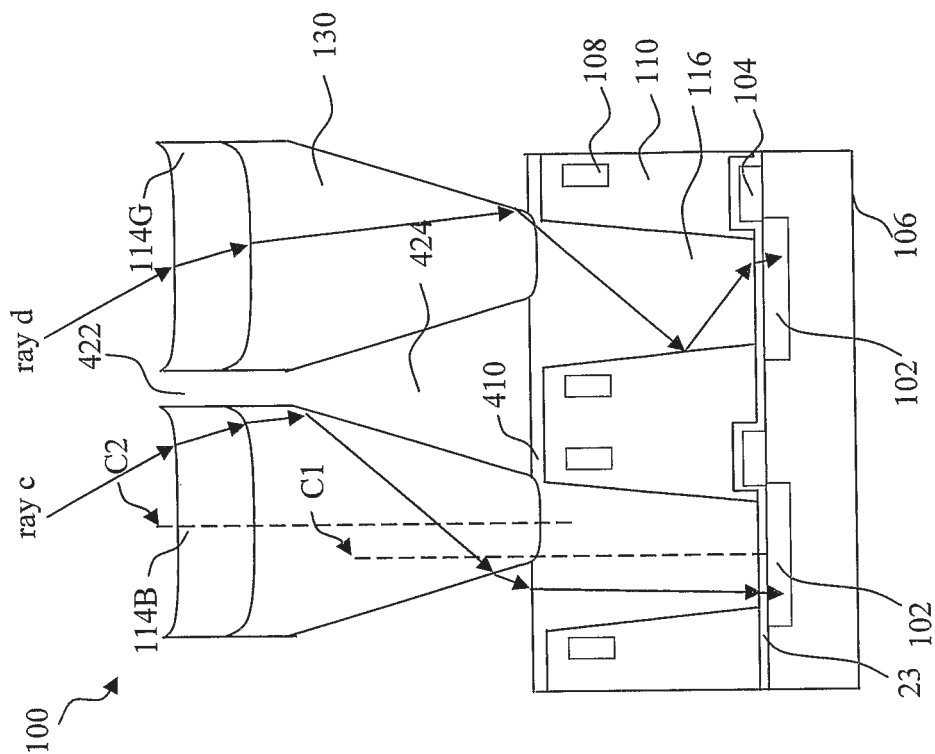


FIG. 6A

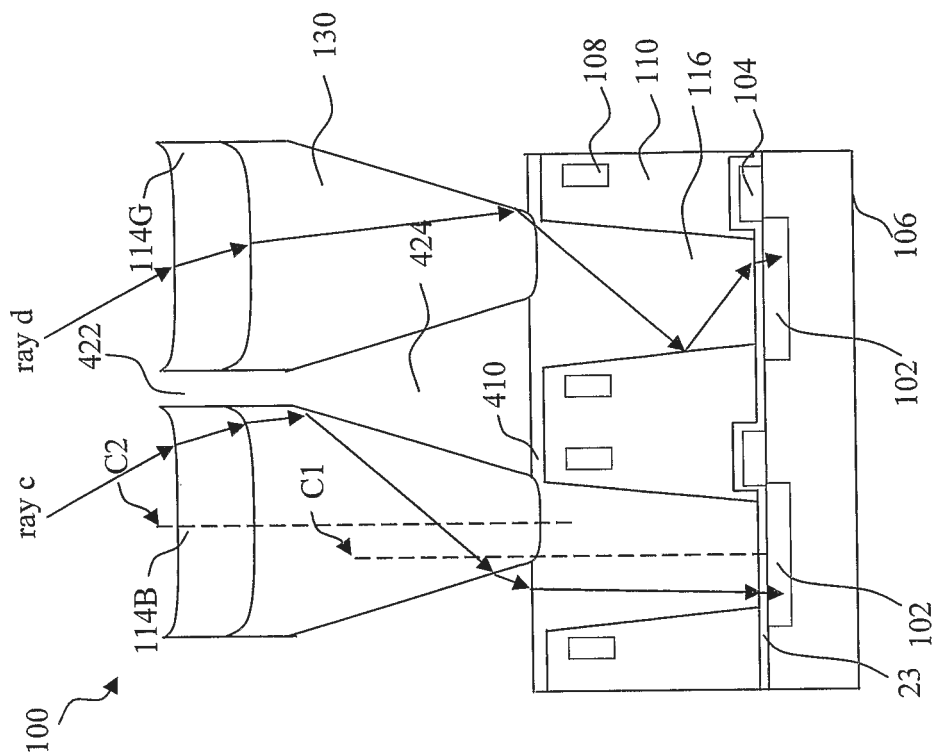


FIG. 6B

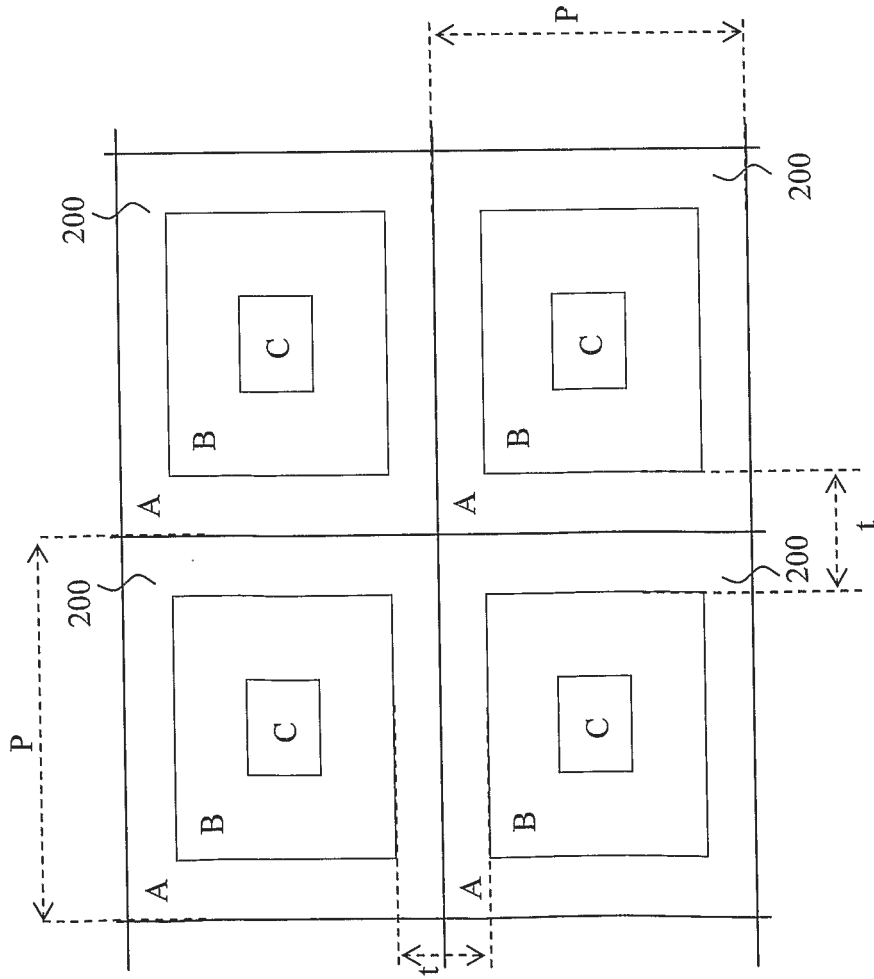


FIG. 7

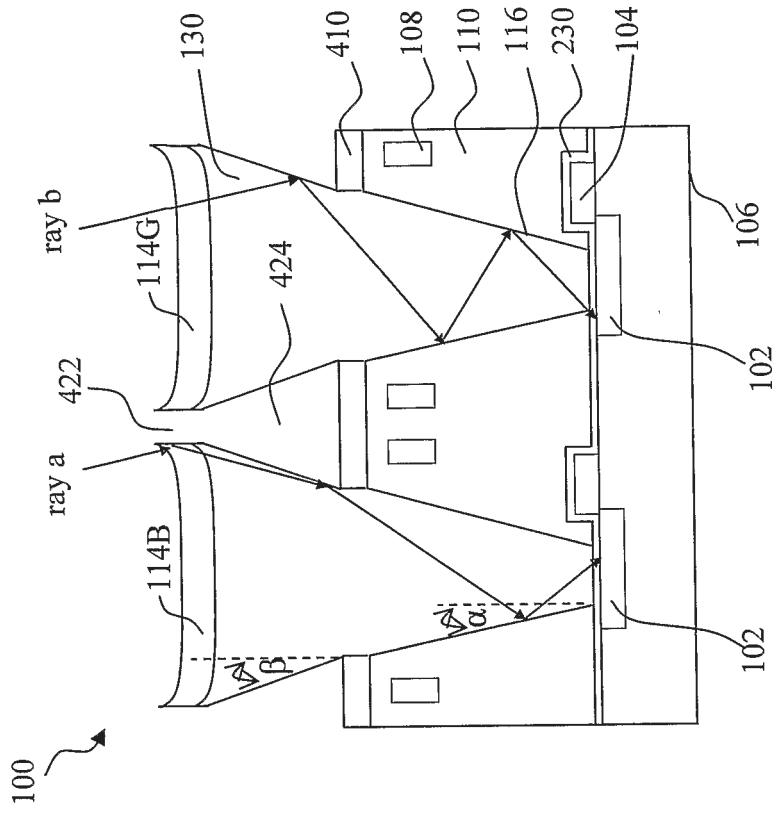


FIG. 8

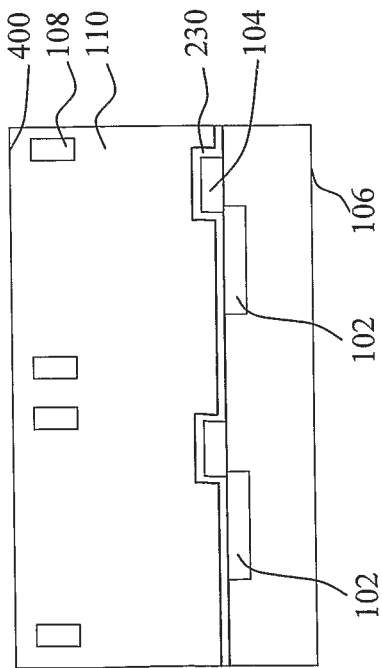


FIG. 9A

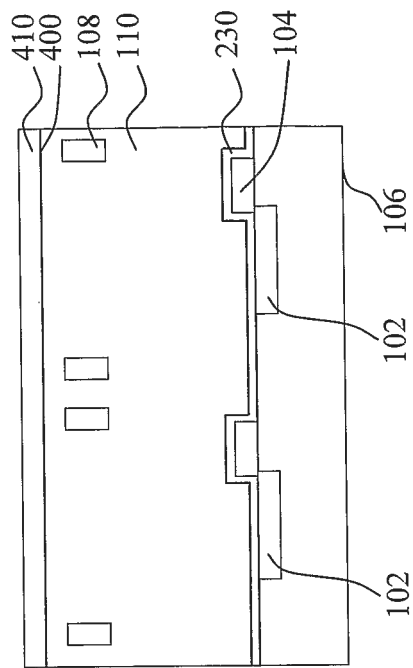


FIG. 9B

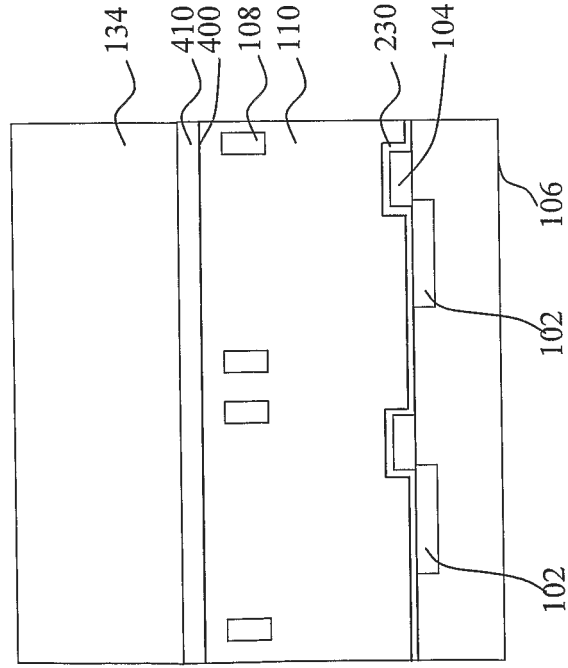


FIG. 9C

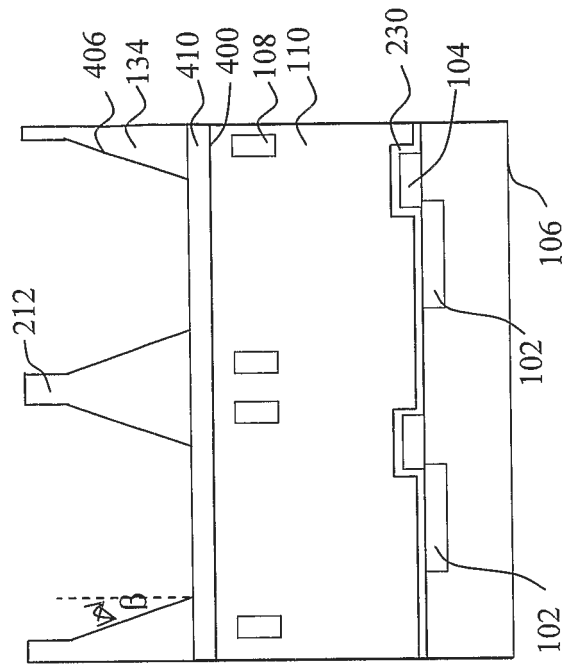


FIG. 9D

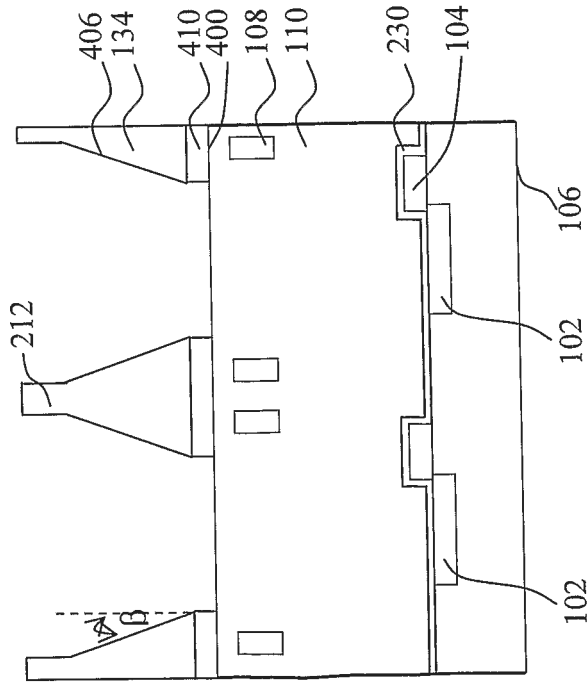


FIG. 9E

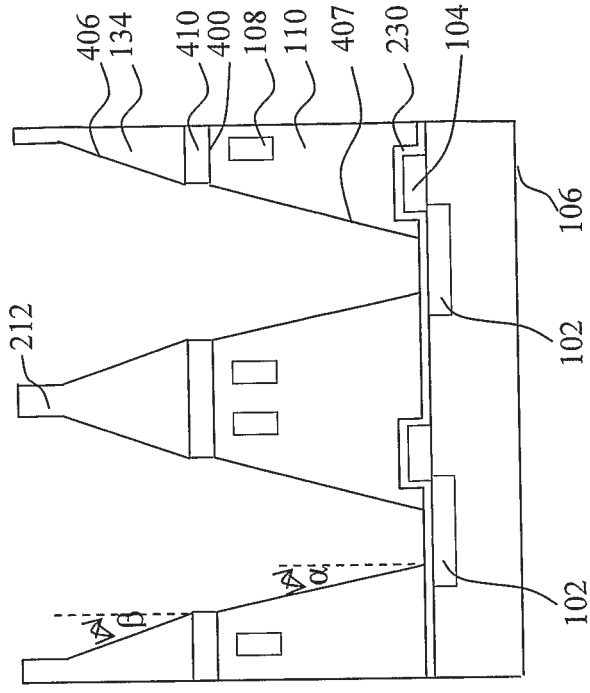


FIG. 9F

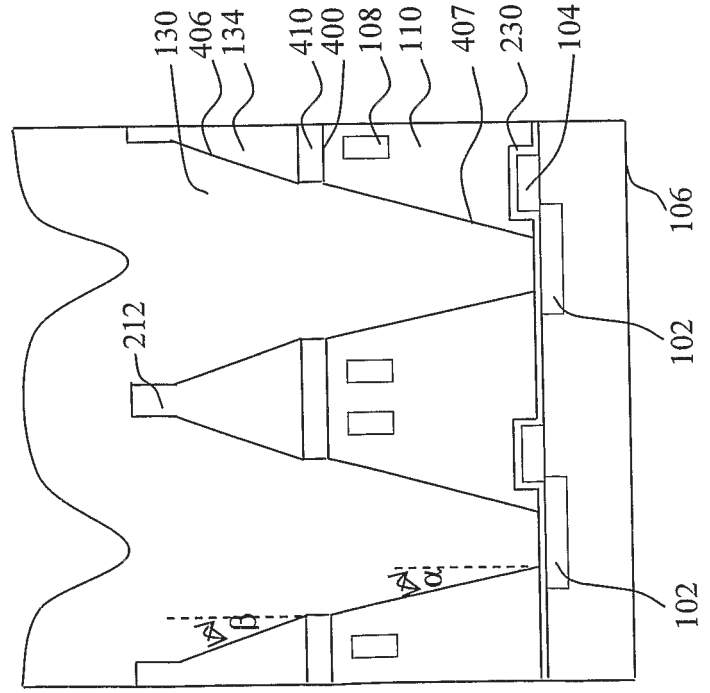


FIG. 9G

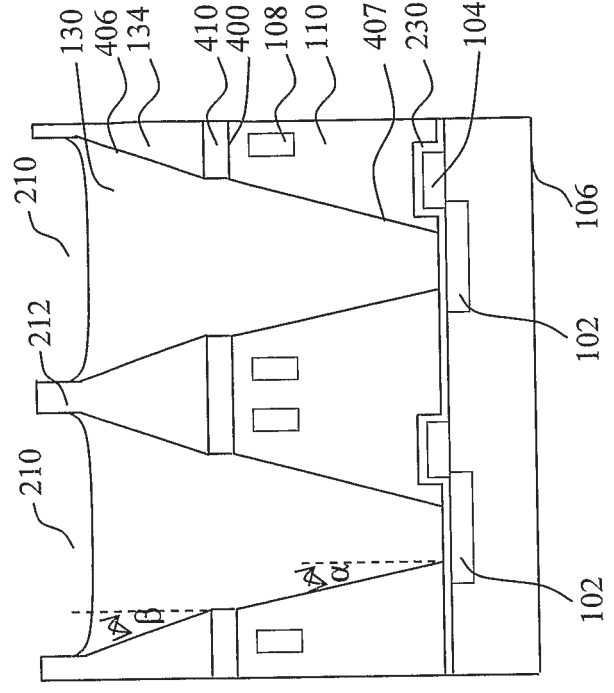


FIG. 9H

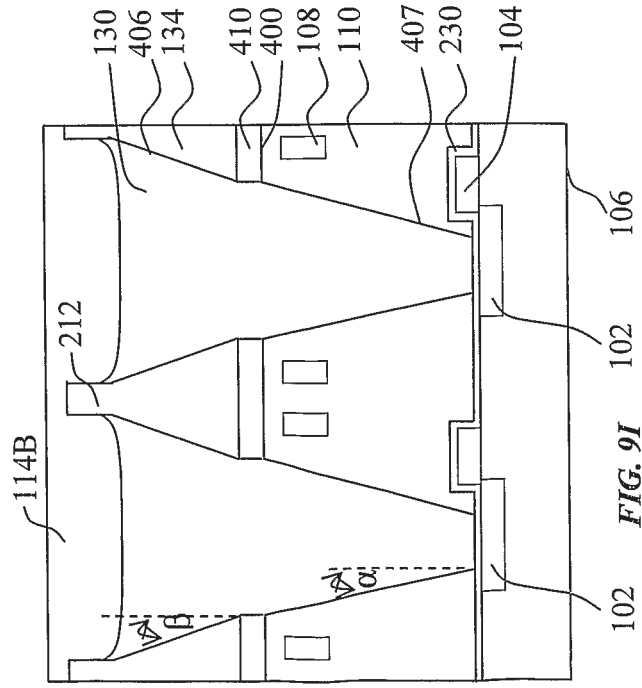


FIG. 9J

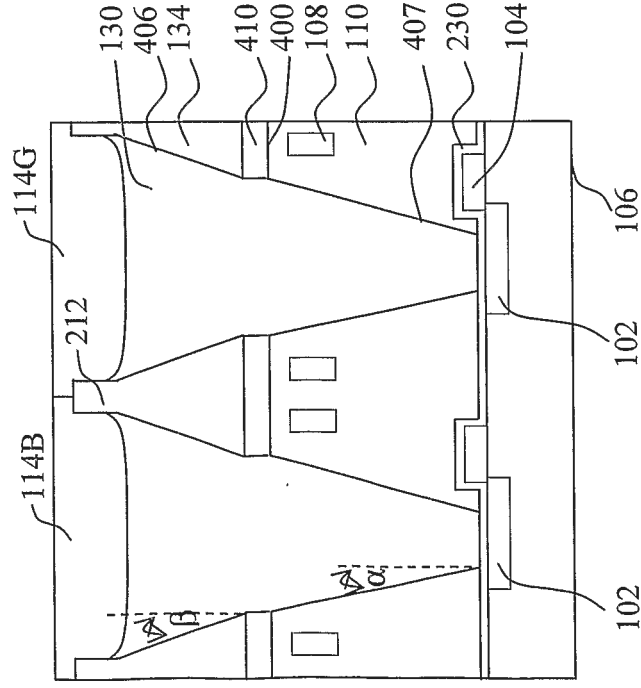
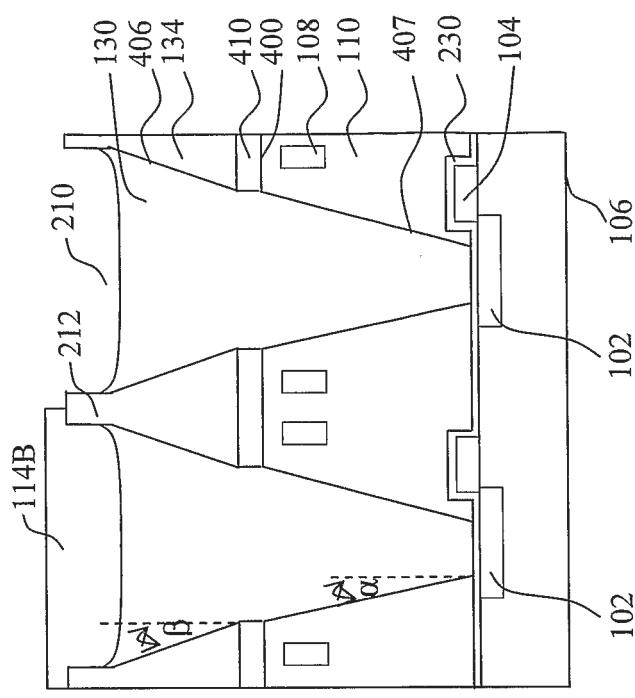
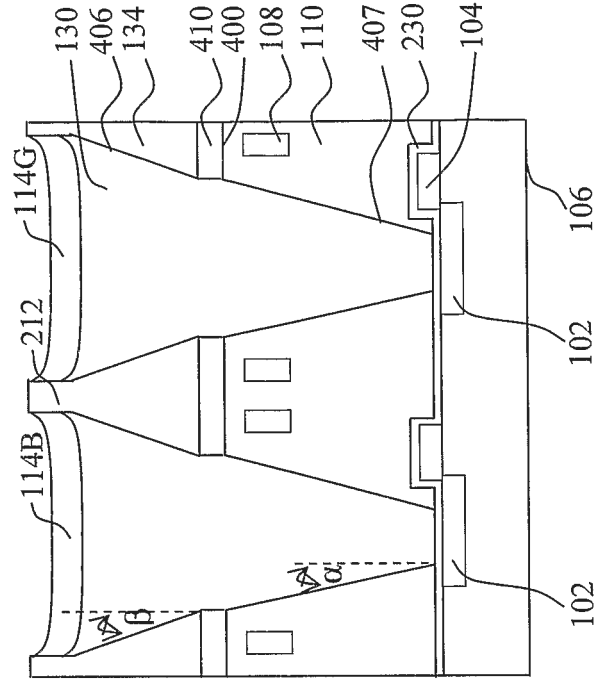


FIG. 9L



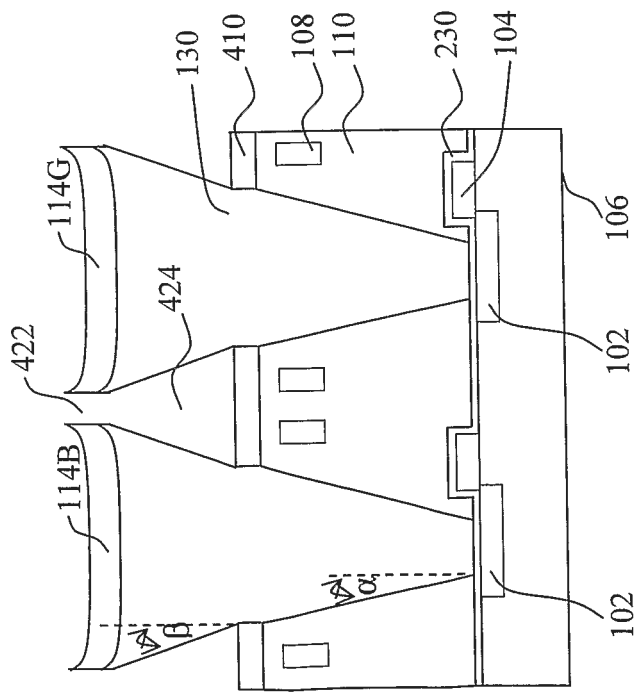


FIG. 9M

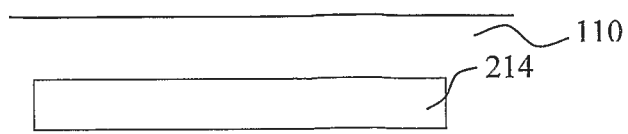


FIG. 10A

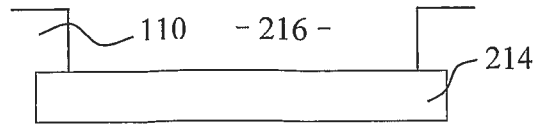


FIG. 10B

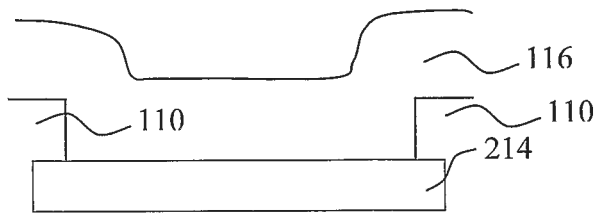


FIG. 10C

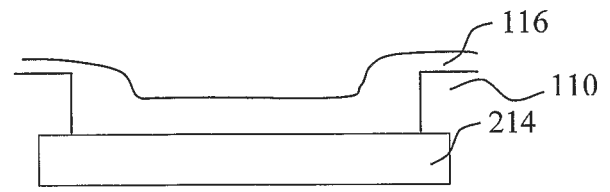


FIG. 10D

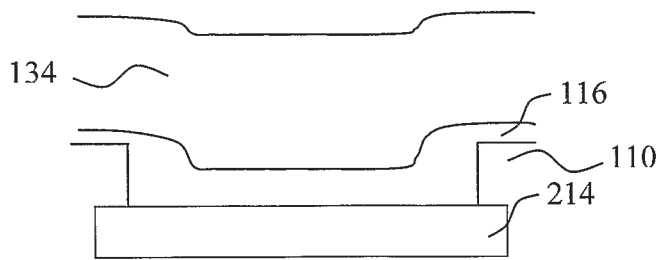


FIG. 10E

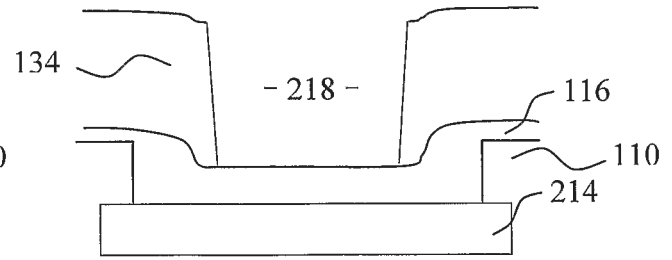


FIG. 10F

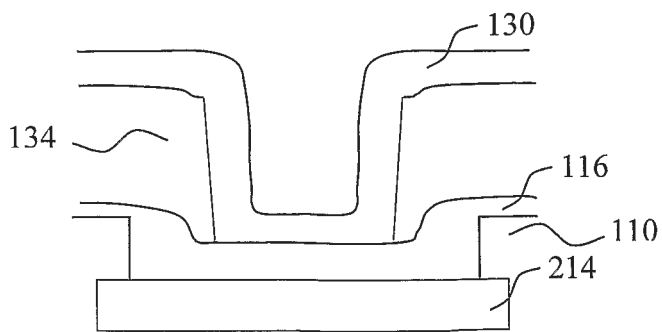


FIG. 10G

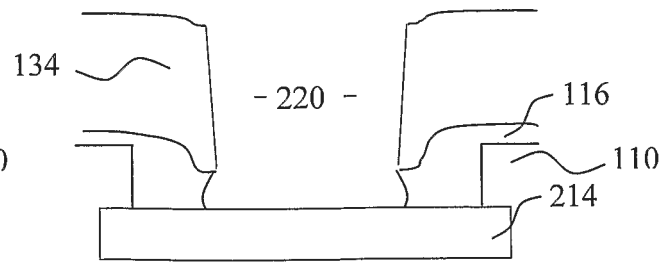


FIG. 10H

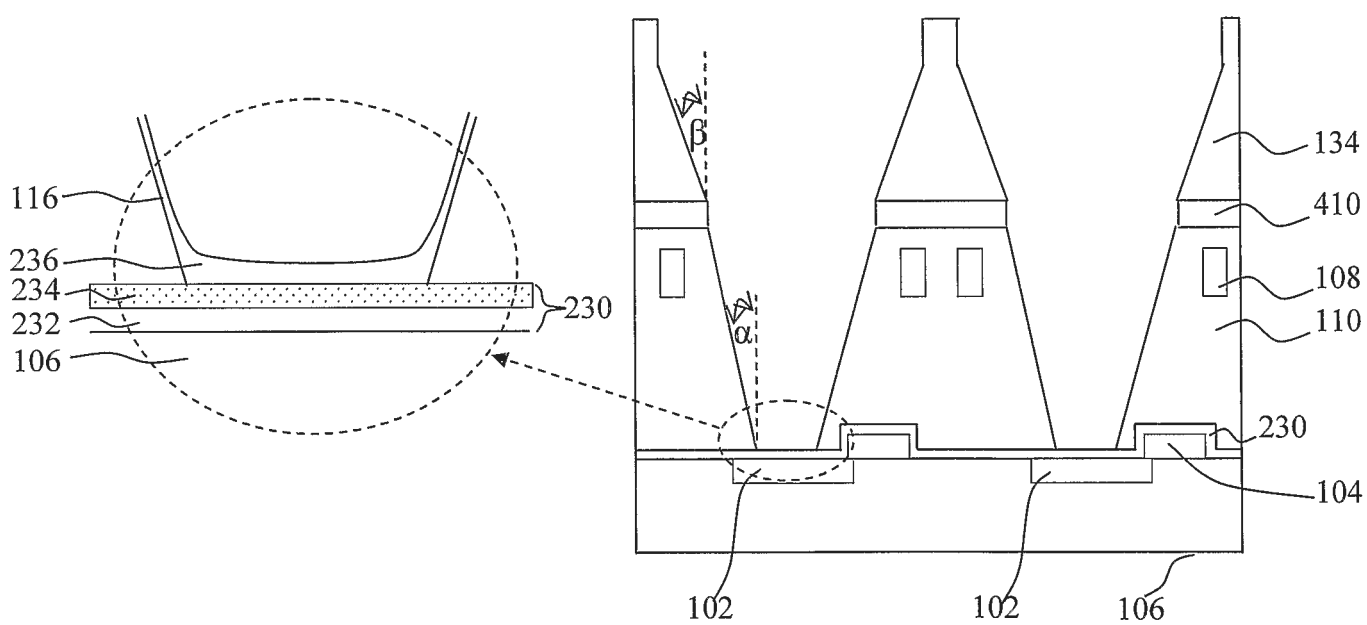


FIG. 11

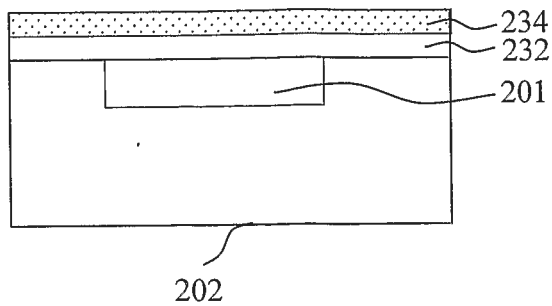


FIG. 12A

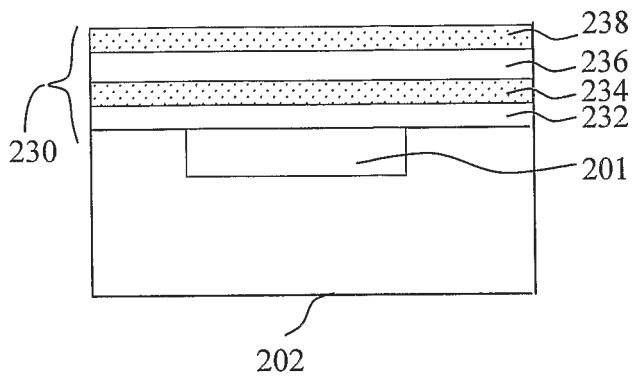


FIG. 12B

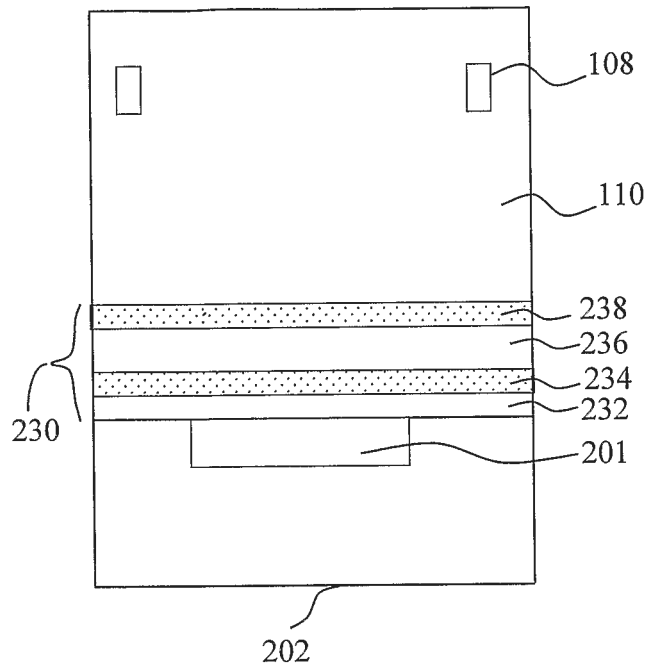


FIG. 12C

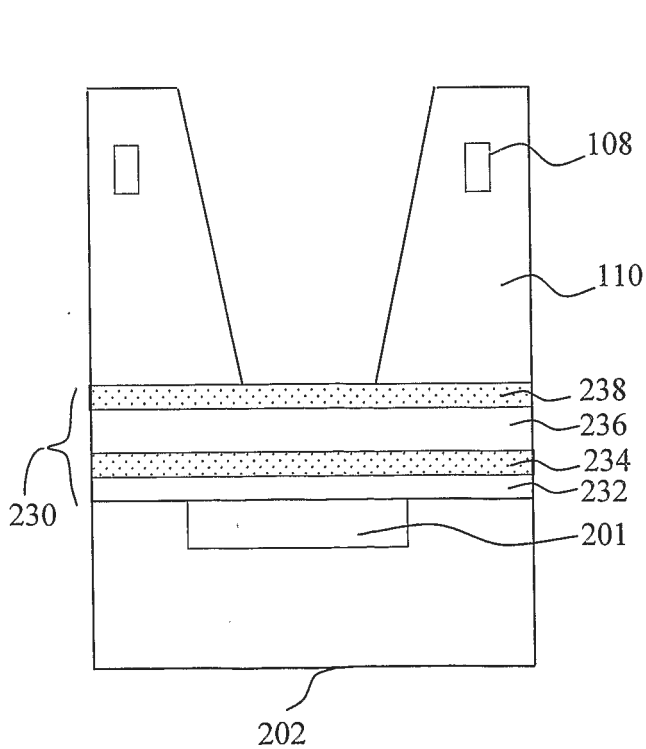


FIG. 12D

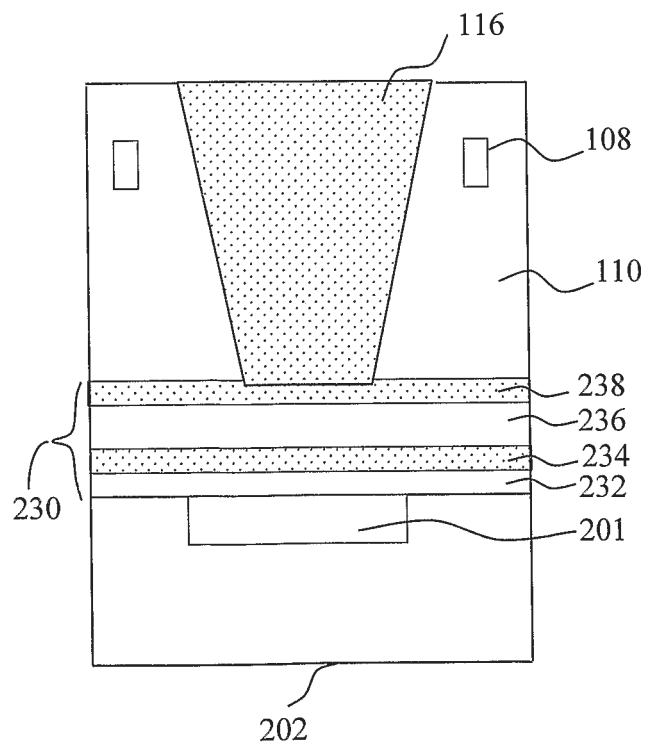


FIG. 12E

Transmission vs wavelength

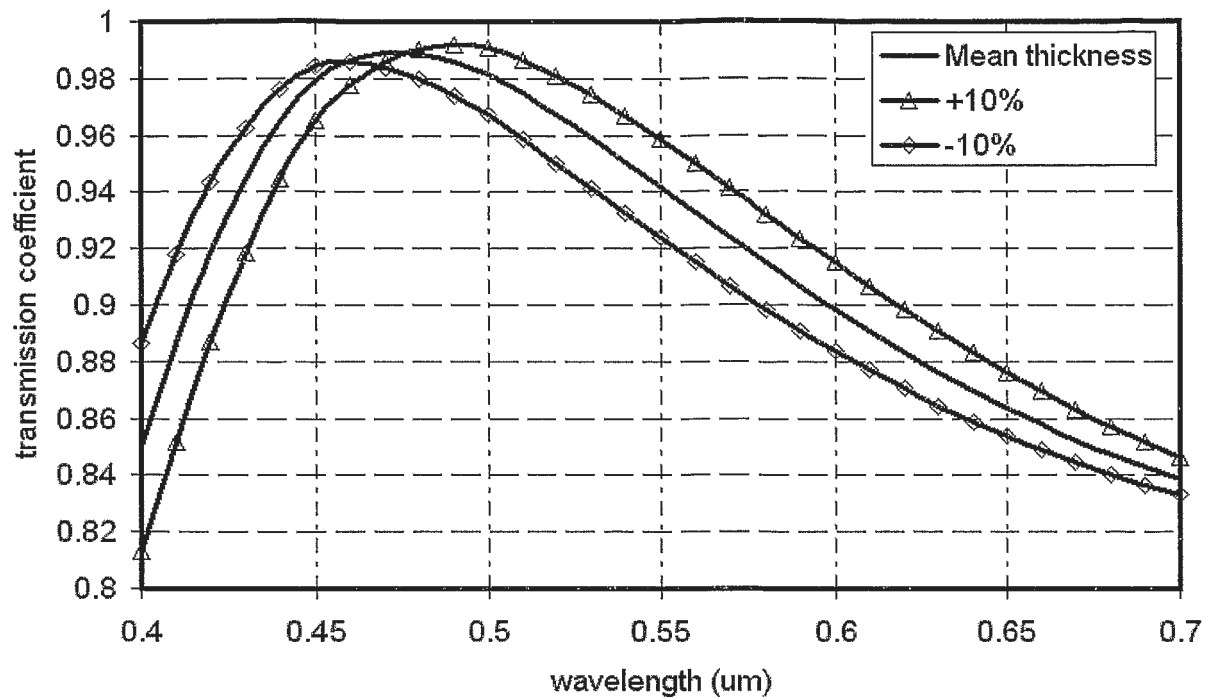


FIG. 13A

Transmission vs wavelength

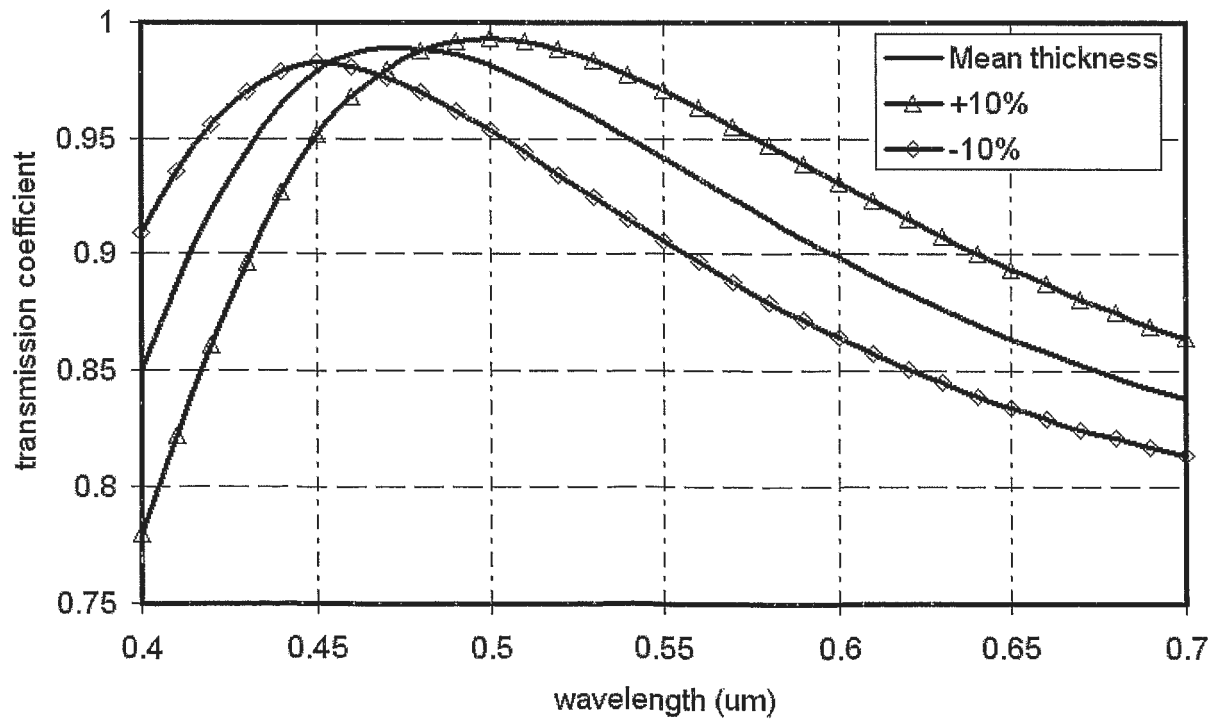
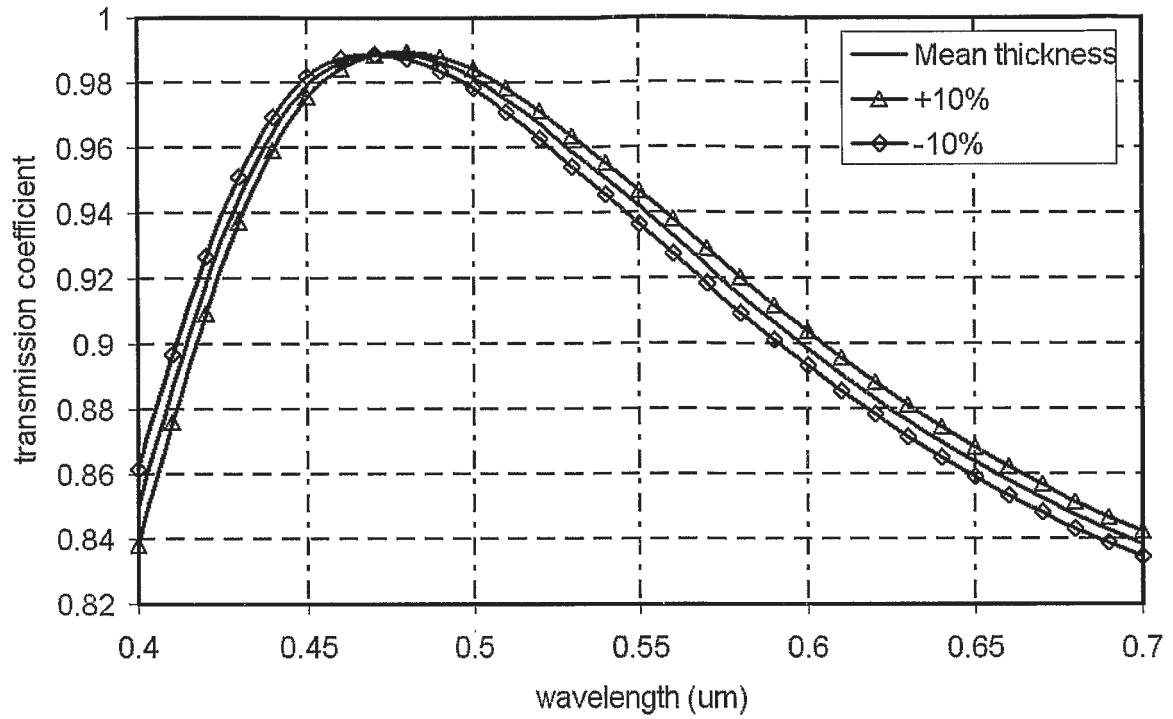


FIG. 13B

Transmission vs wavelength

*FIG. 13C*

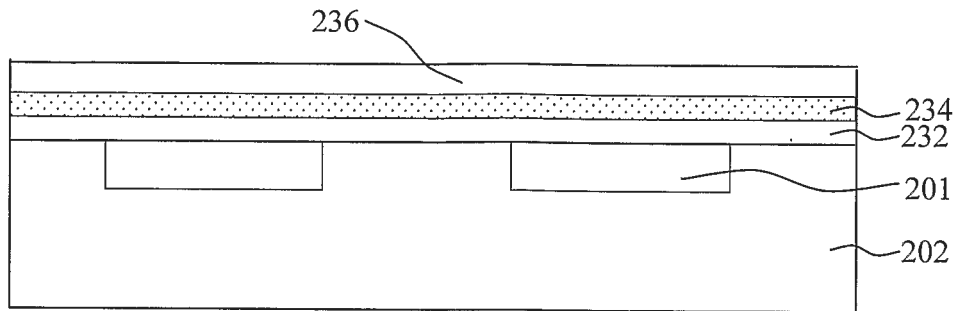


FIG. 14A

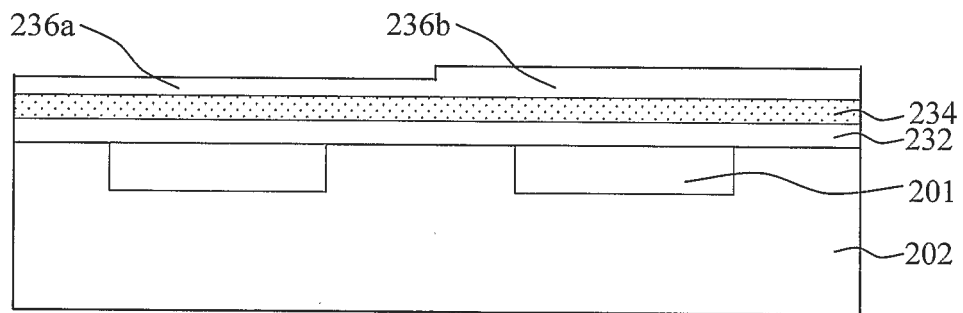


FIG. 14B

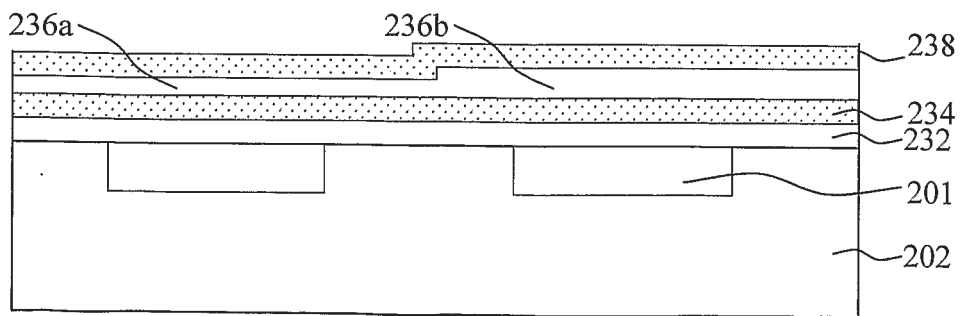


FIG. 14C

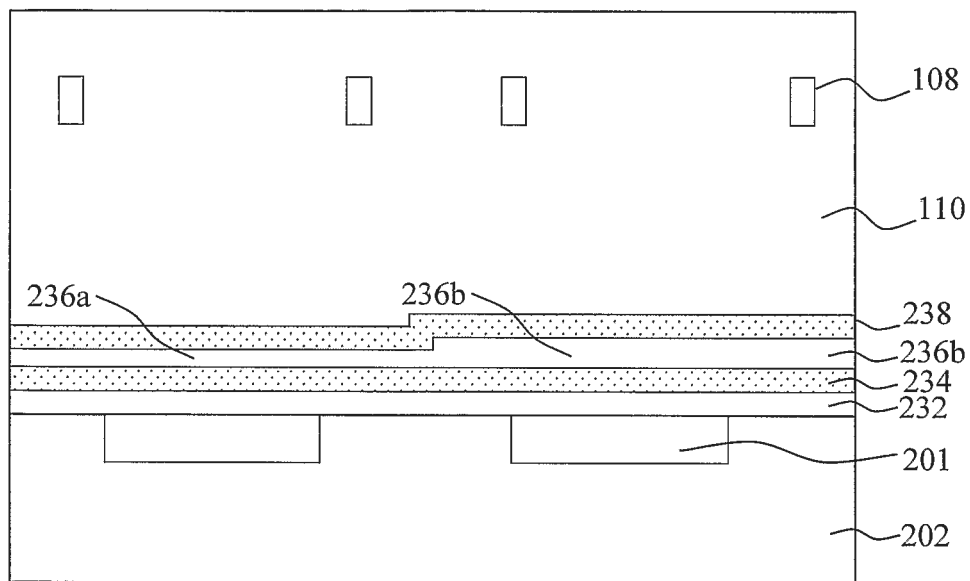


FIG. 14D

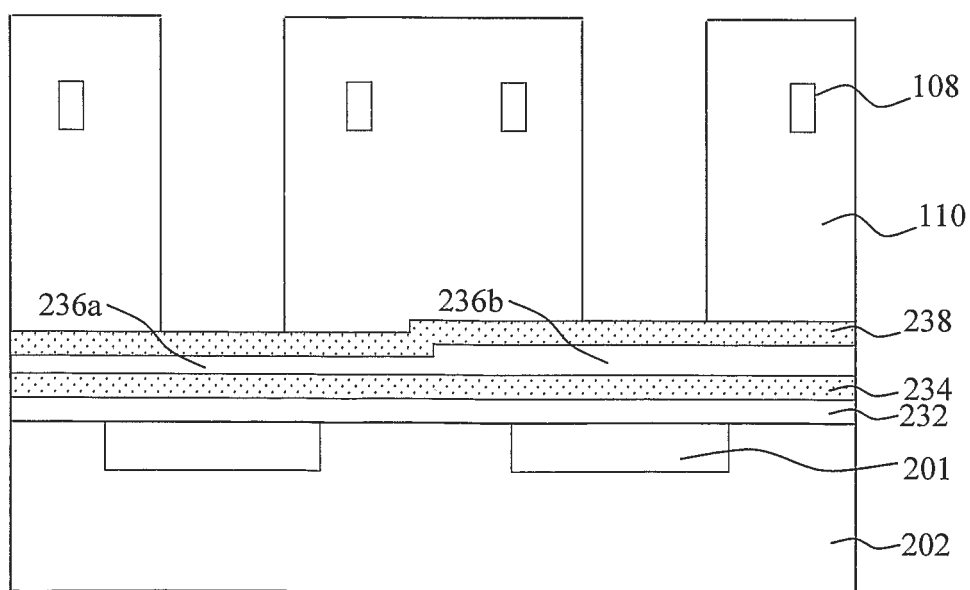


FIG. 14E

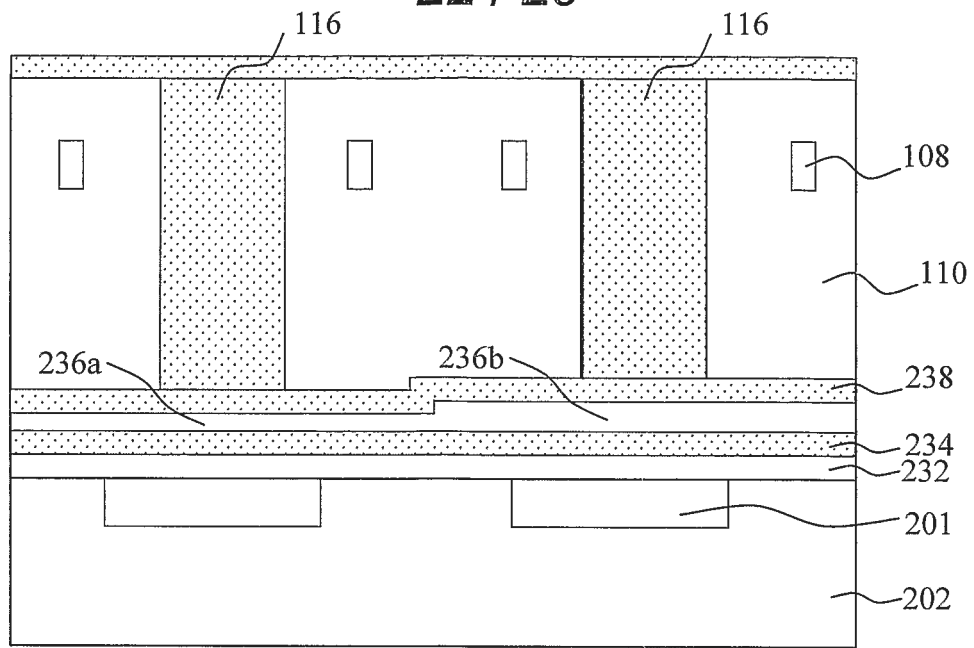


FIG. 14F

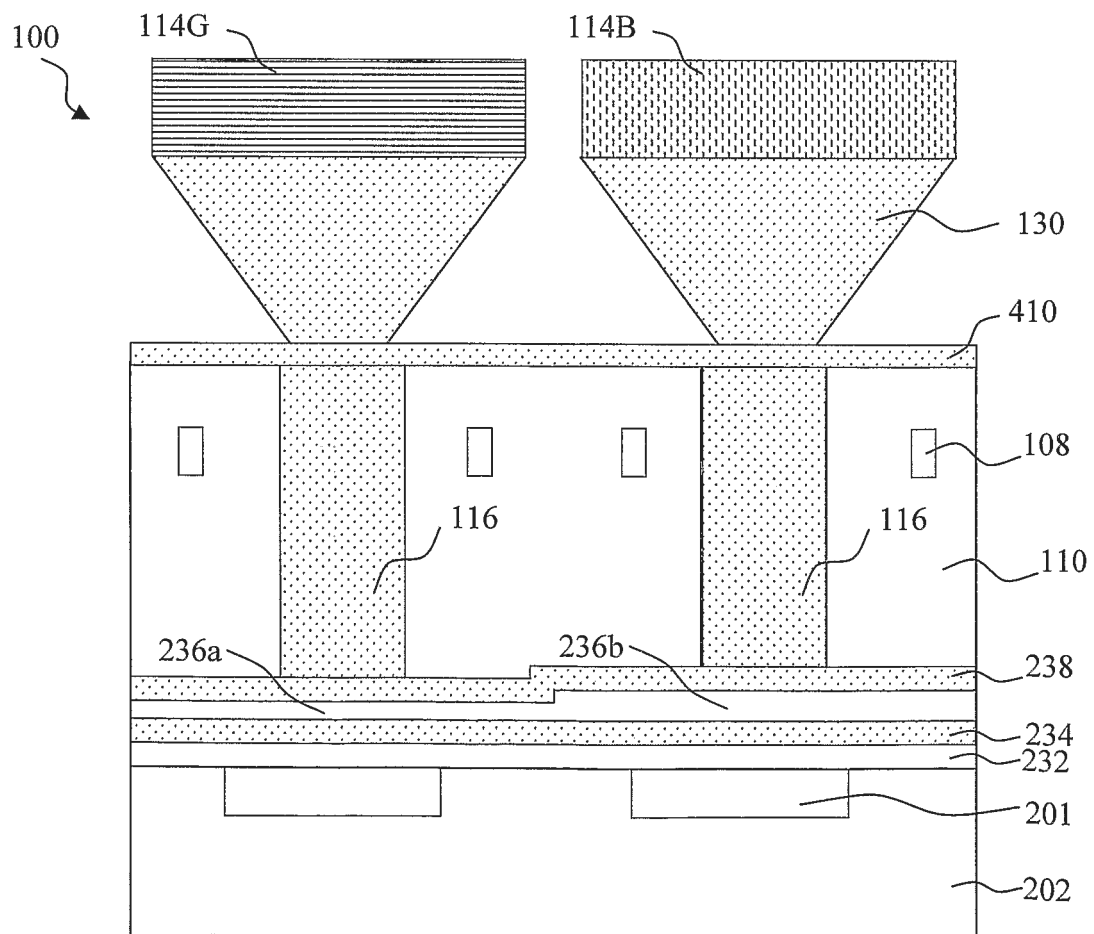
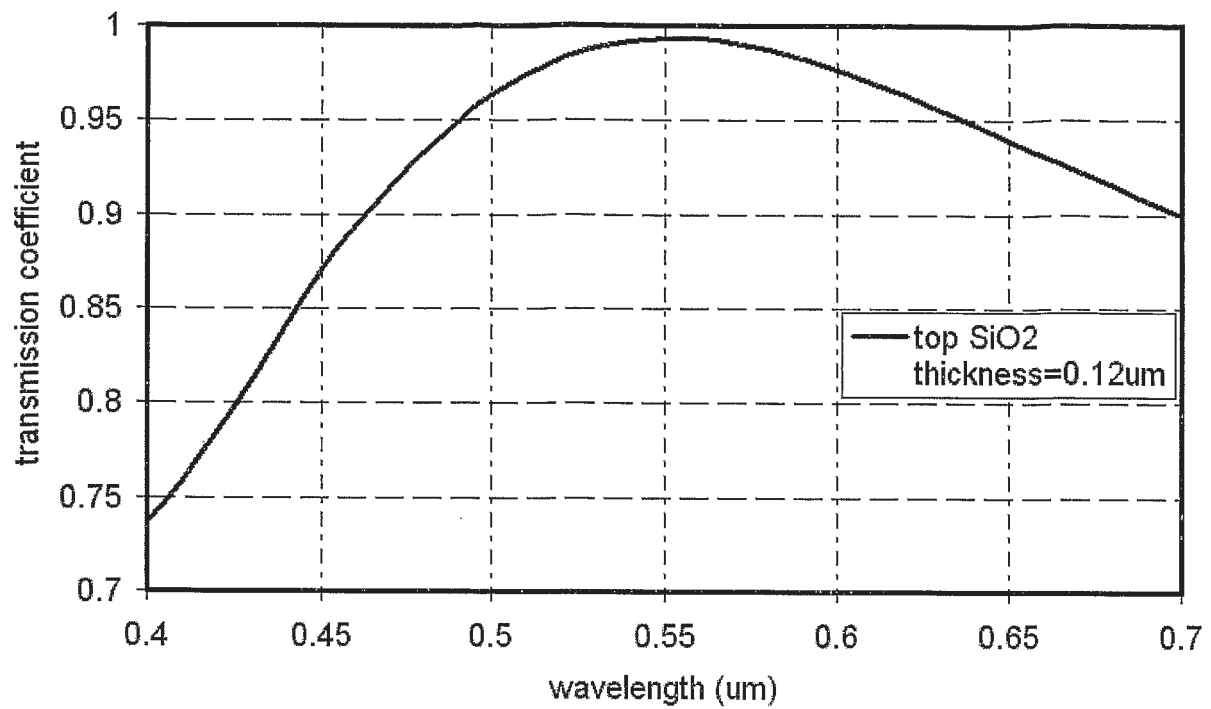
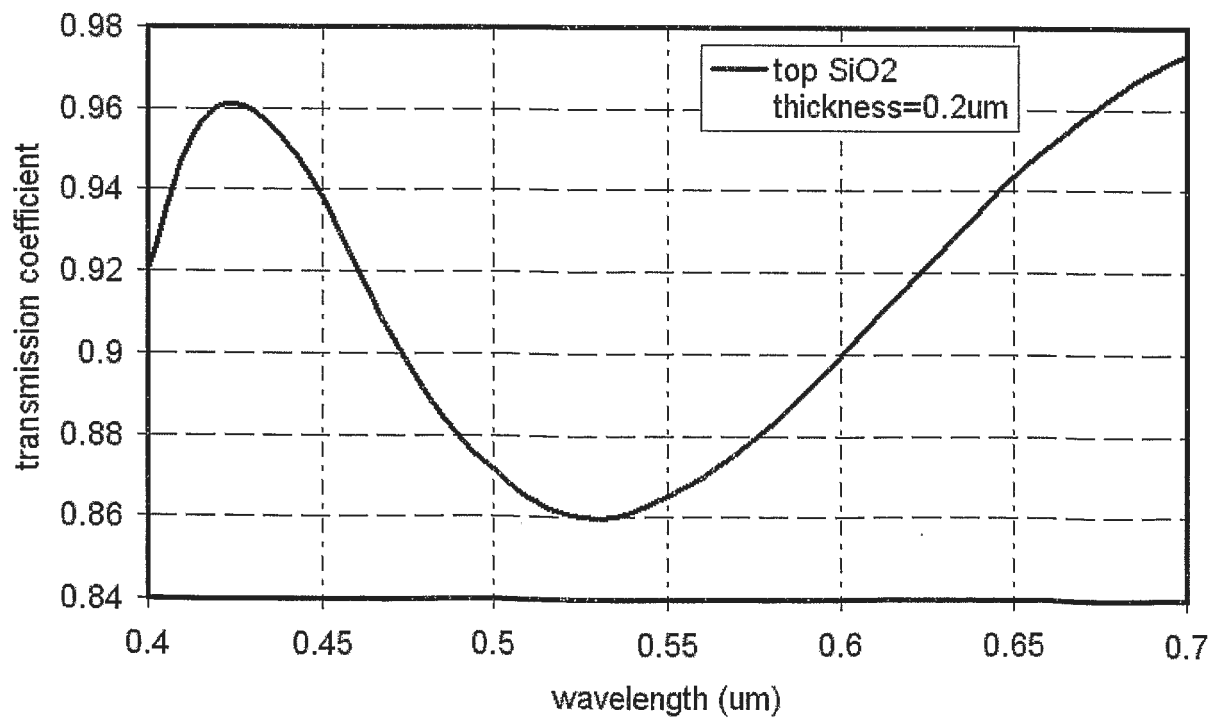


FIG. 14G

Transmission vs wavelength

*FIG. 15A*

Transmission vs wavelength

*FIG. 15B*

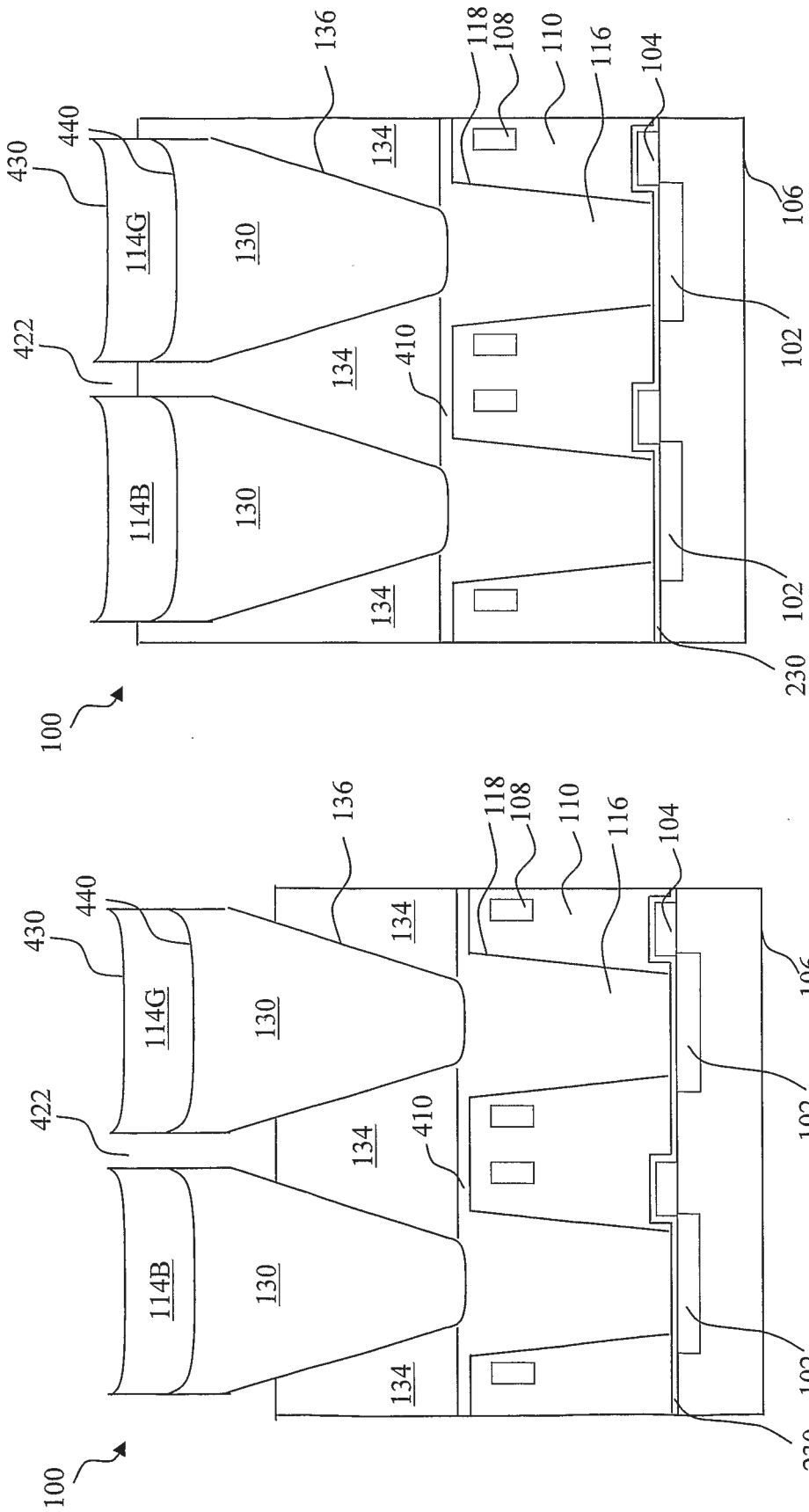


FIG. 16

FIG. 17

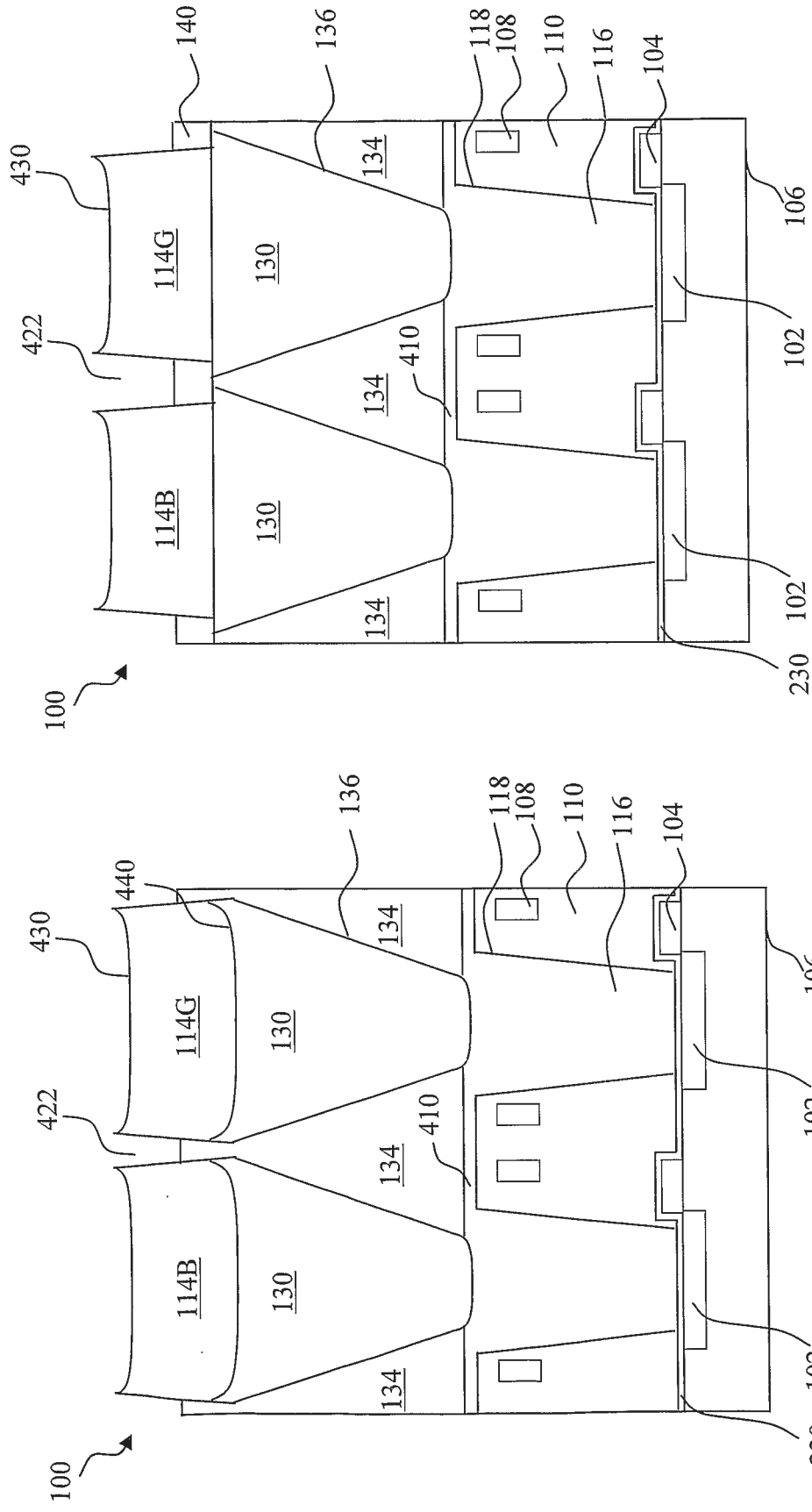


FIG. 19

FIG. 18

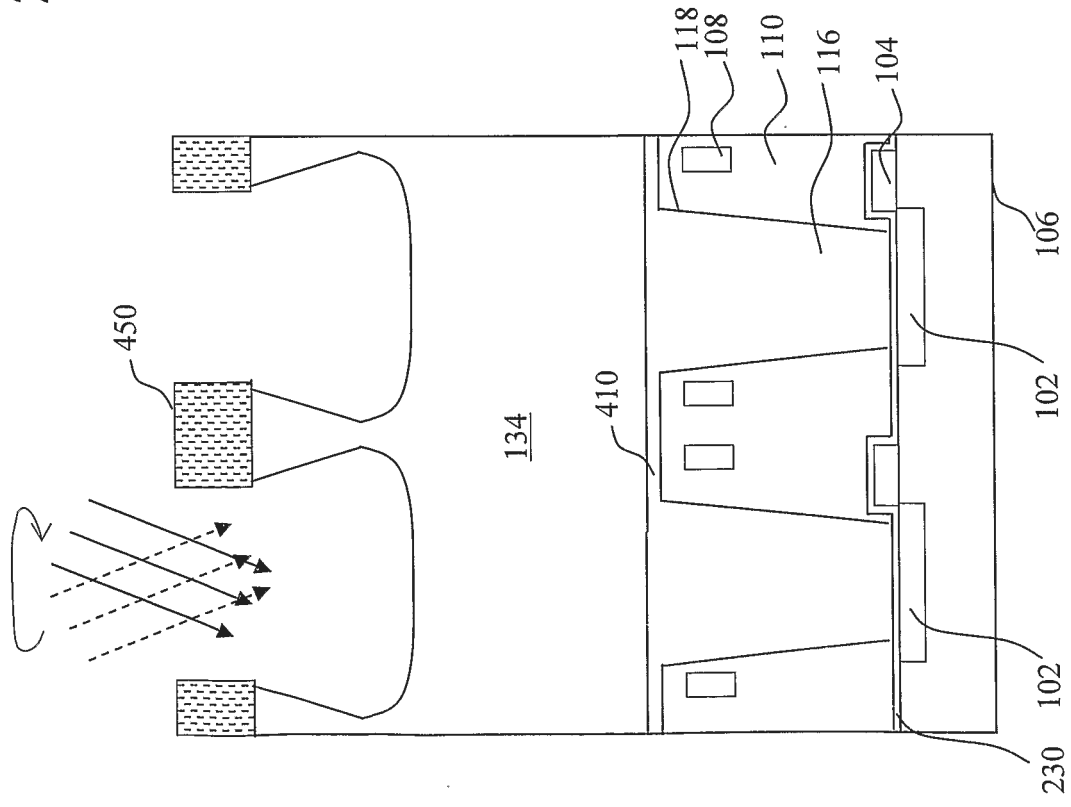


FIG. 20

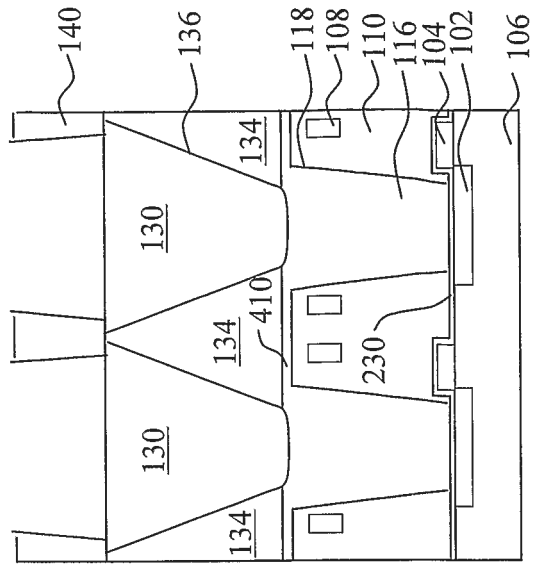


FIG. 21B

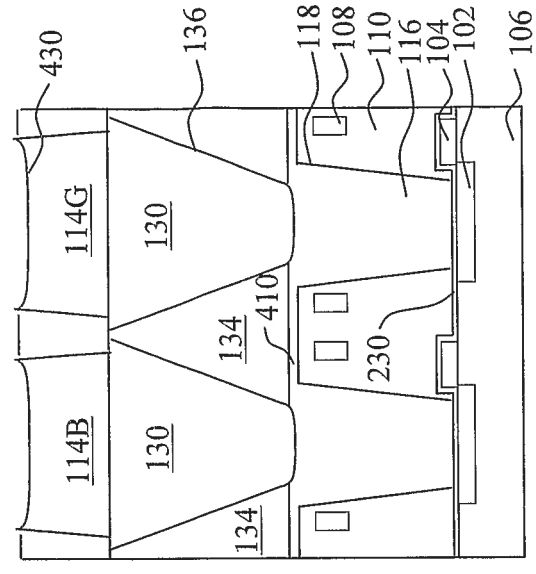


FIG. 21D

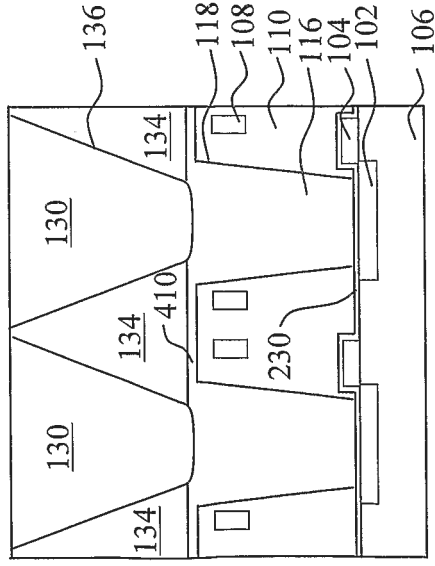


FIG. 21A

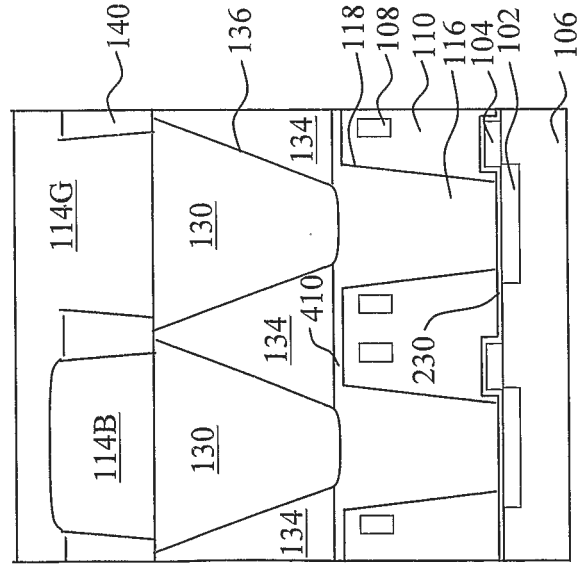


FIG. 21C

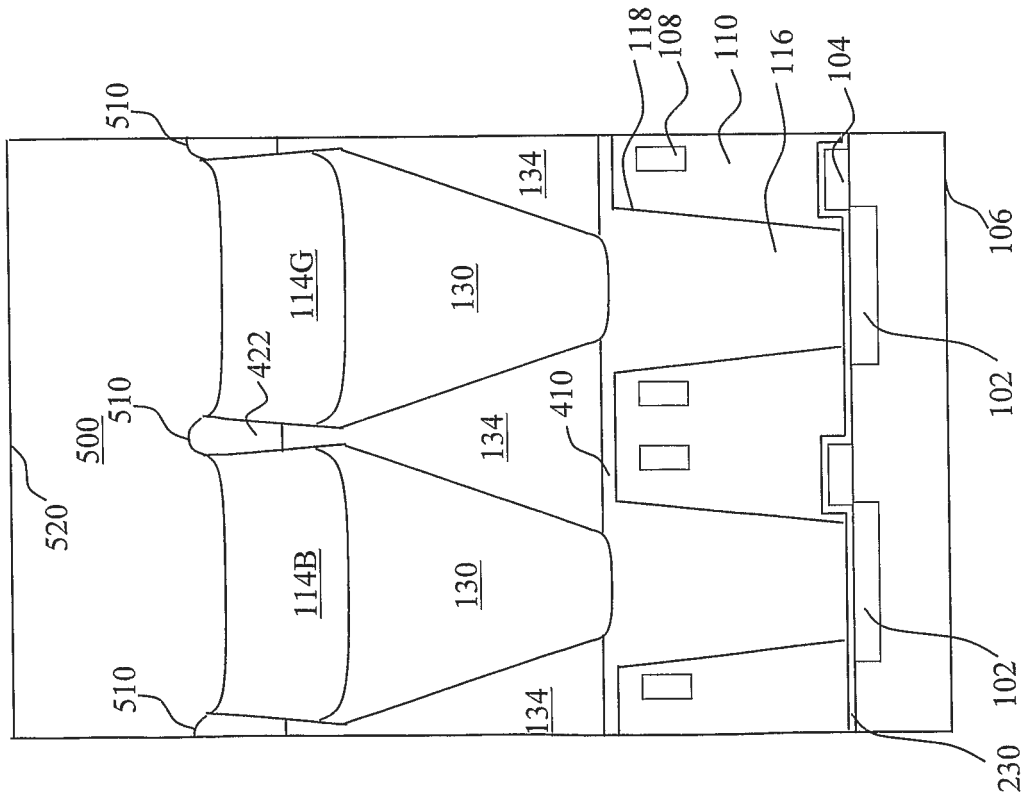
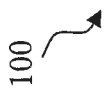


FIG. 22

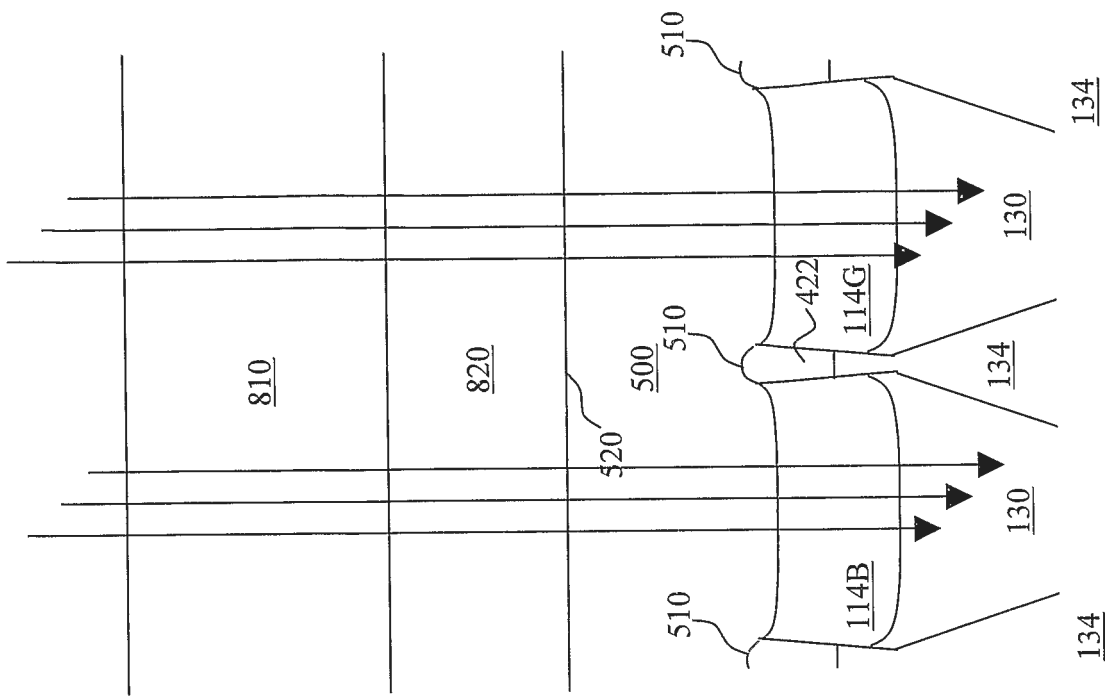


FIG. 23

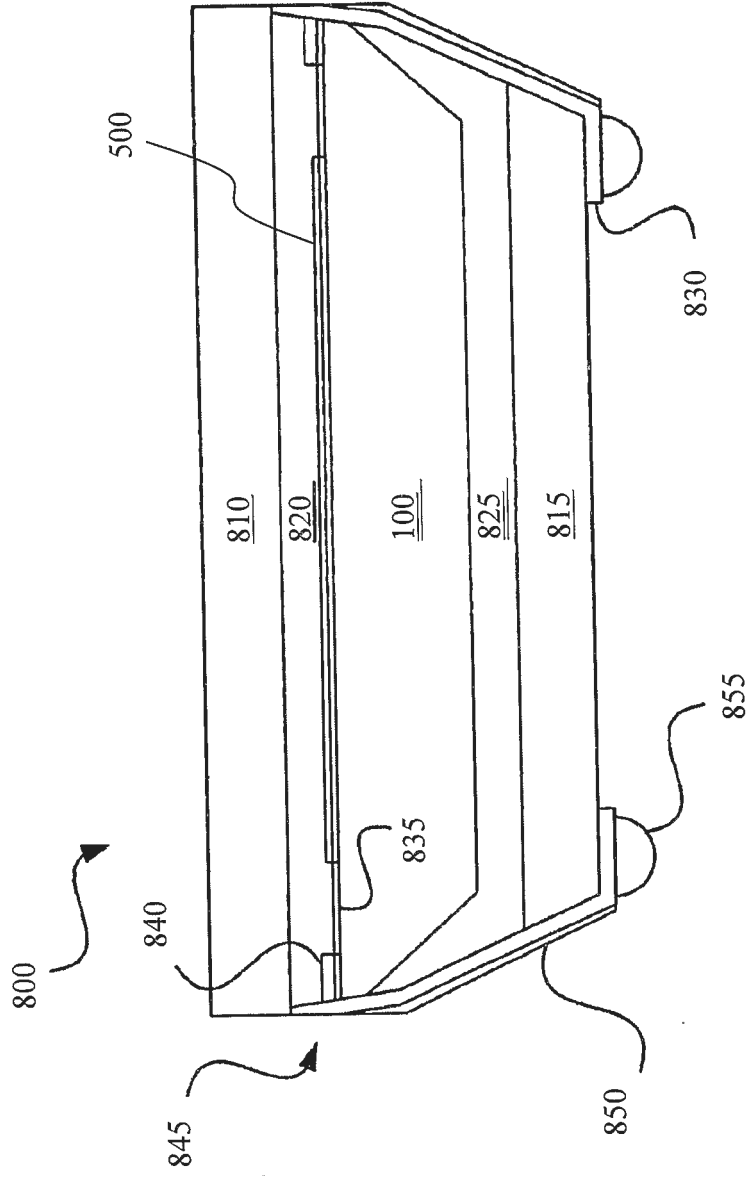


FIG. 24