

FIG. 1

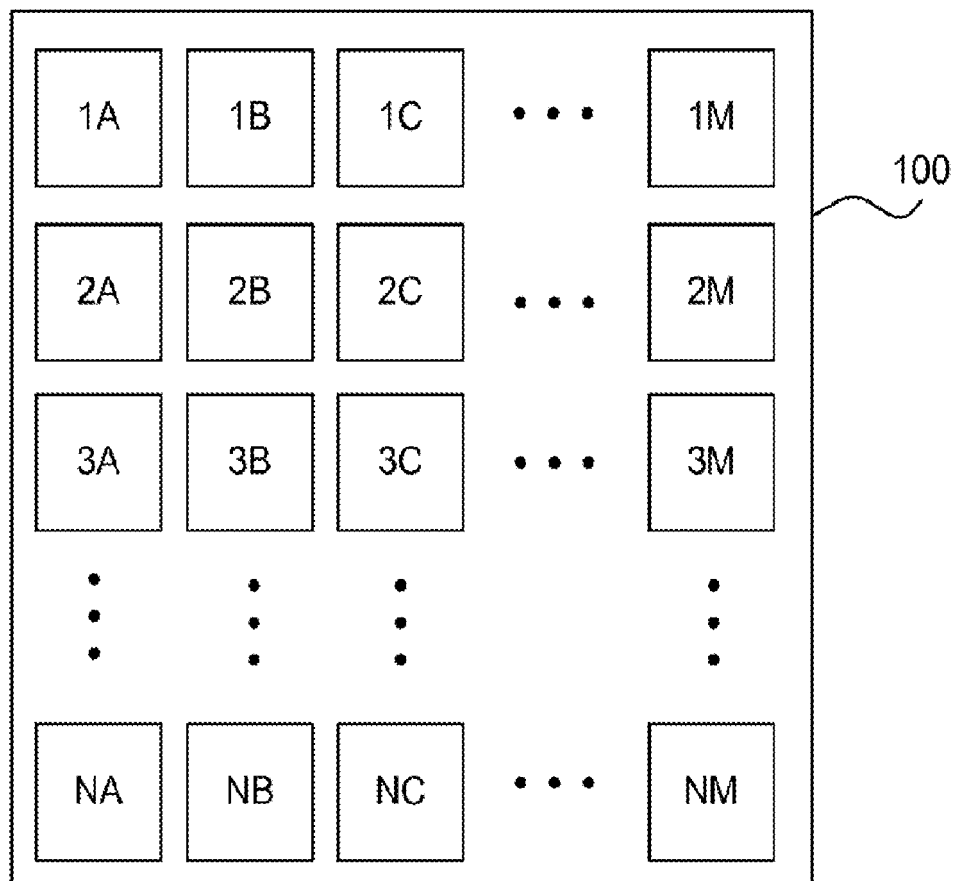


FIG. 2

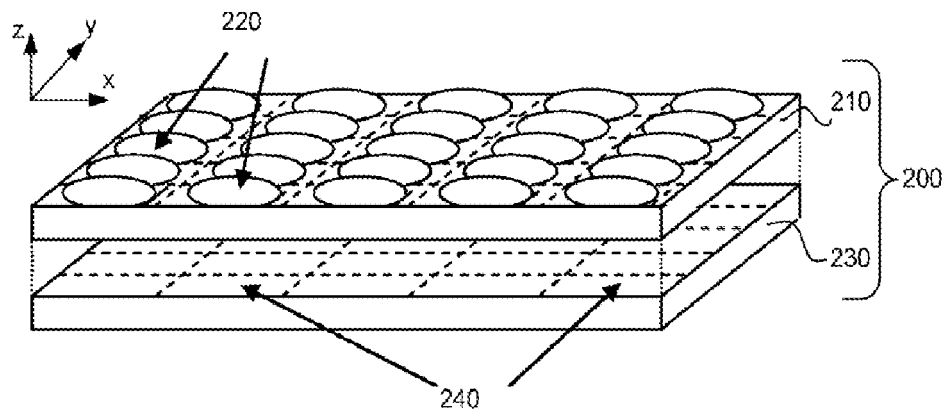


FIG. 3

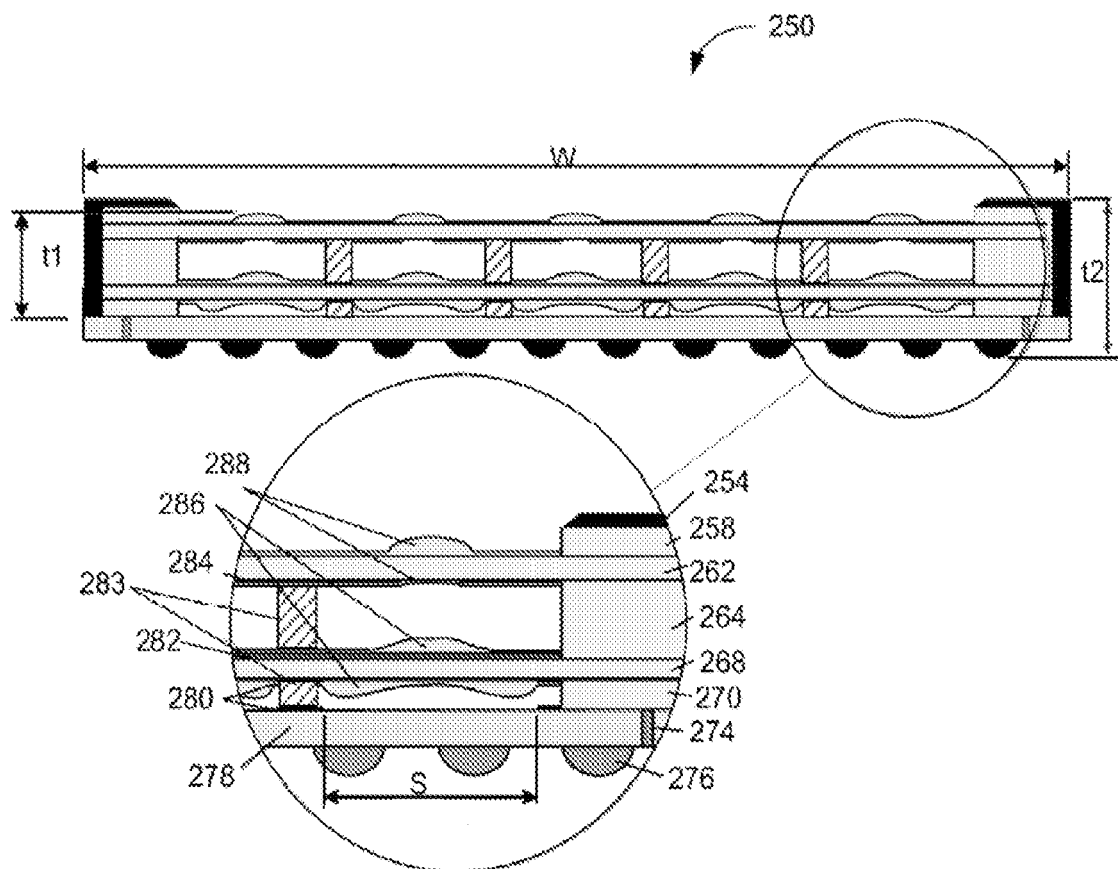
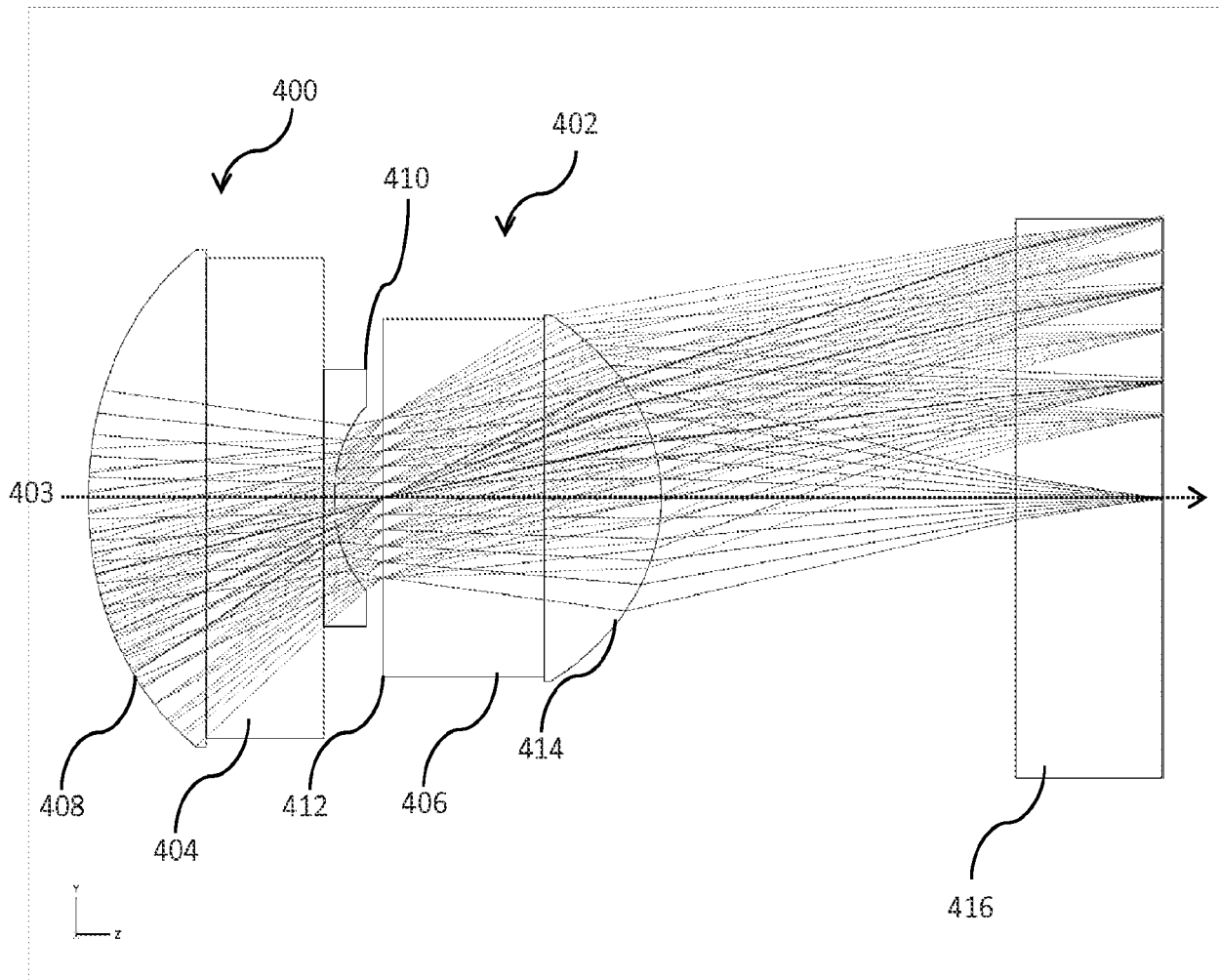


FIG. 4A



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FIG 4B

Surf. type	Comment	Radius	Thickness	Glass	Semi-Diameter	Conic	Par 0 (unused)	2 nd Order Term	4 th Order Term	6 th Order Term	8 th Order Term	10 th Order Term	12 th Order Term	14 th Order Term
Obj	Standard	Infinity	400.00		213.425	0.000								
1	Even ASPH. .	1.413	0.467	1.61,28.5	0.978	0.595		0.000	0.000	0.090	-0.213	0.227	-0.099	0.000
2	Standard	Infinity	0.550	1.52,54.4	0.974	0.000								
3	Standard	Infinity	4.976E-005	1.61,28.5	0.489	0.000								
4	Even ASPH. .	0.586	0.280		0.367	0.622		0.000	0.000	16.676	-271.697	-5171.902	-5171.902	0.000
STO	Standard	Infinity	0.720	1.52,54.4	0.291	0.000								
6	Standard	Infinity	0.400	1.52,53.7	0.659	0.000								
7	Even ASPH. .	-0.675	1.774		0.666	-0.471		0.000	0.000	0.223	-1.621	4.259	-3.817	0.000
8	Standard	Infinity	0.500	1.47,65.5	1.037	0.000								
9	Standard	Infinity	6.000E-003		1.108	0.000								
IMA	Standard	Infinity	-		1.110	0.000								

FIG. 5A1

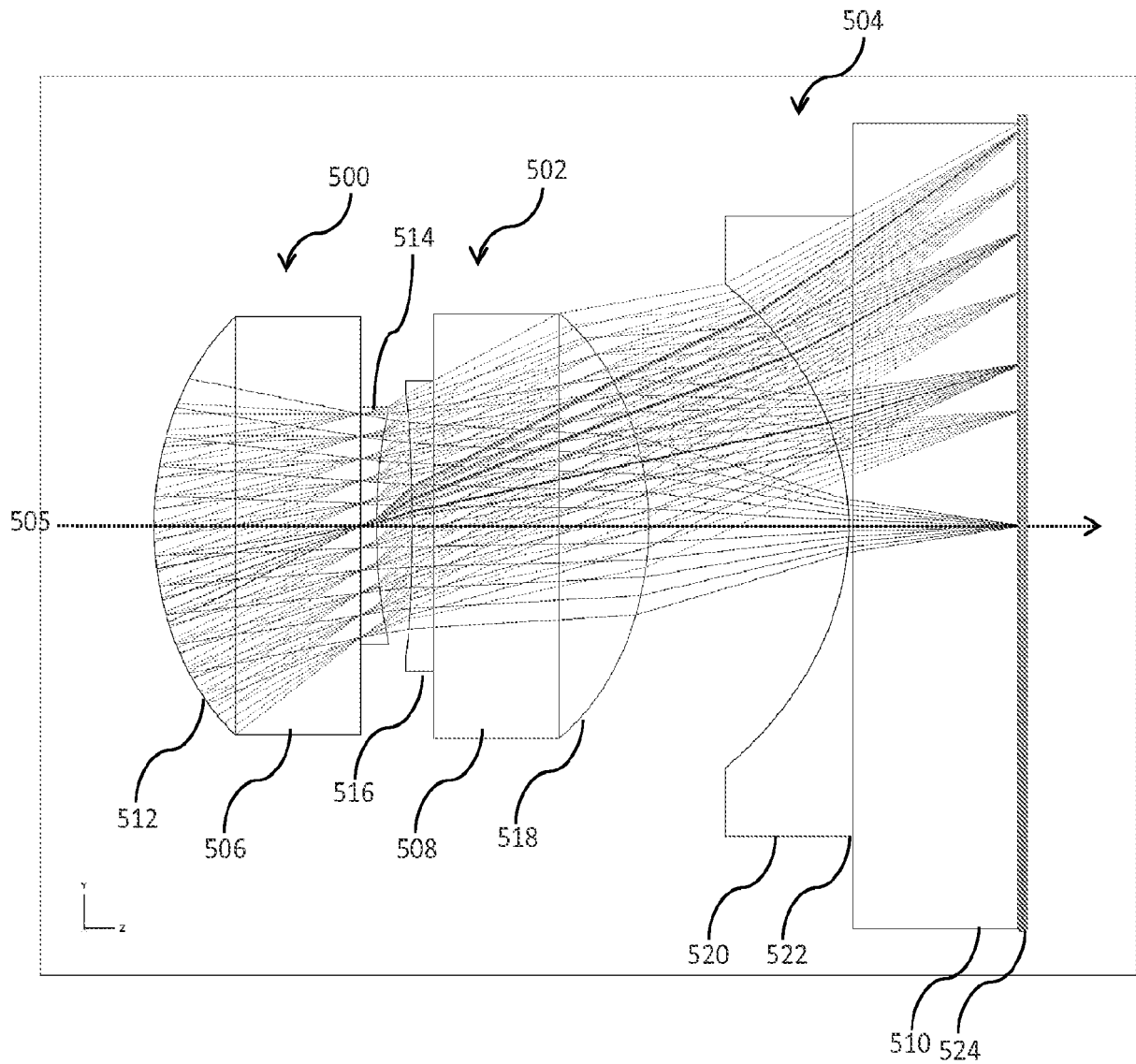


FIG. 5A2

Surf. type	Comment	Radius	Thickness	Glass	Semi-Diameter	Conic	Par 0 (unused)	2 nd Order Term	4 th Order Term	6 th Order Term	8 th Order Term	10 th Order Term
Obj												
1	Standard	Infinity	400.00		213.425	0.000						
2	Standard	Infinity	1.000		1.327	0.000						
2	Even ASPH..	0.959	0.277	1.52,53.7	0.650	0.400		0.000	0.000	-0.081	0.219	0.000
3	Standard	Infinity	0.424	1.52,54.4	0.650	0.000						
STO	Standard	Infinity	0.056	1.61,28.5	0.348	0.000						
5	Even ASPH..	2.068	0.120		0.369	19.720		0.000	0.000	0.533	-5.047	0.000
6	Even ASPH..	-5.397	0.073	1.61,28.5	0.409	134.623		0.000	0.000	-1.622	7.681	0.000
7	Standard	Infinity	0.424	1.52,54.4	0.452	0.000						
8	Standard	Infinity	0.304	1.52,53.7	0.661	0.000						
9	Even ASPH..	-0.940	0.680		0.661	0.472		0.000	0.000	0.068	-0.144	0.000
10	Even ASPH..	-0.765	0.014	1.52,53.7	0.752	-0.624		0.000	0.000	0.035	-0.137	0.000
11	Standard	Infinity	0.566	1.47,66.7	0.963	0.000						
12	Standard	Infinity	0.014	1.47,66.7	1.251	0.000						
IMA	Standard	Infinity	-	1.47,66.7	1.258	0.000						

FIG. 5B

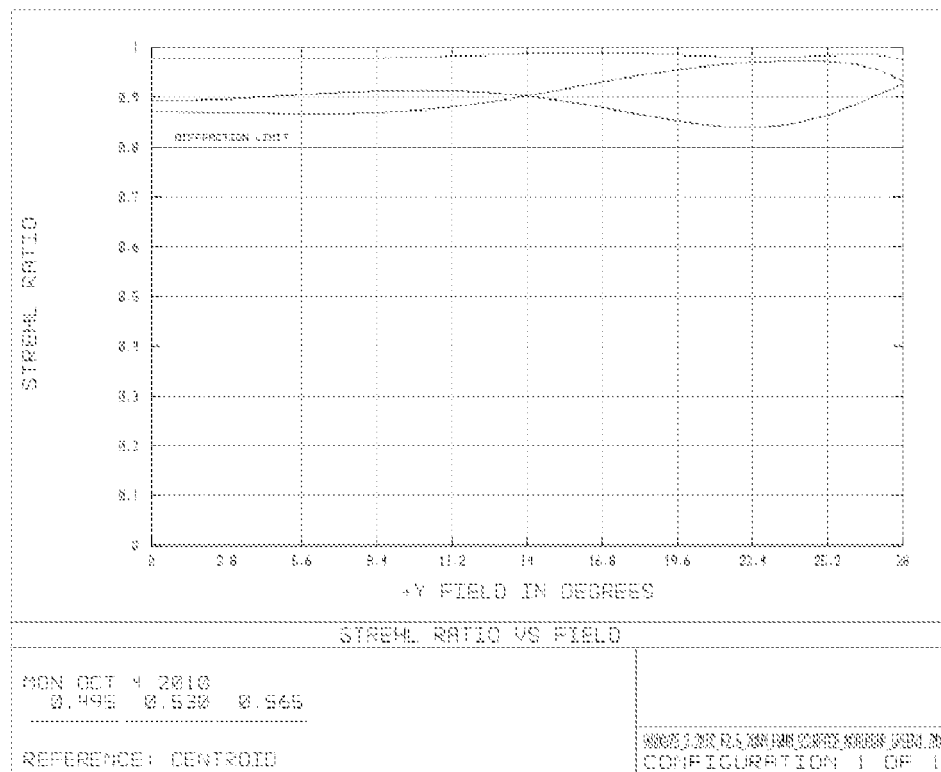


FIG. 5C

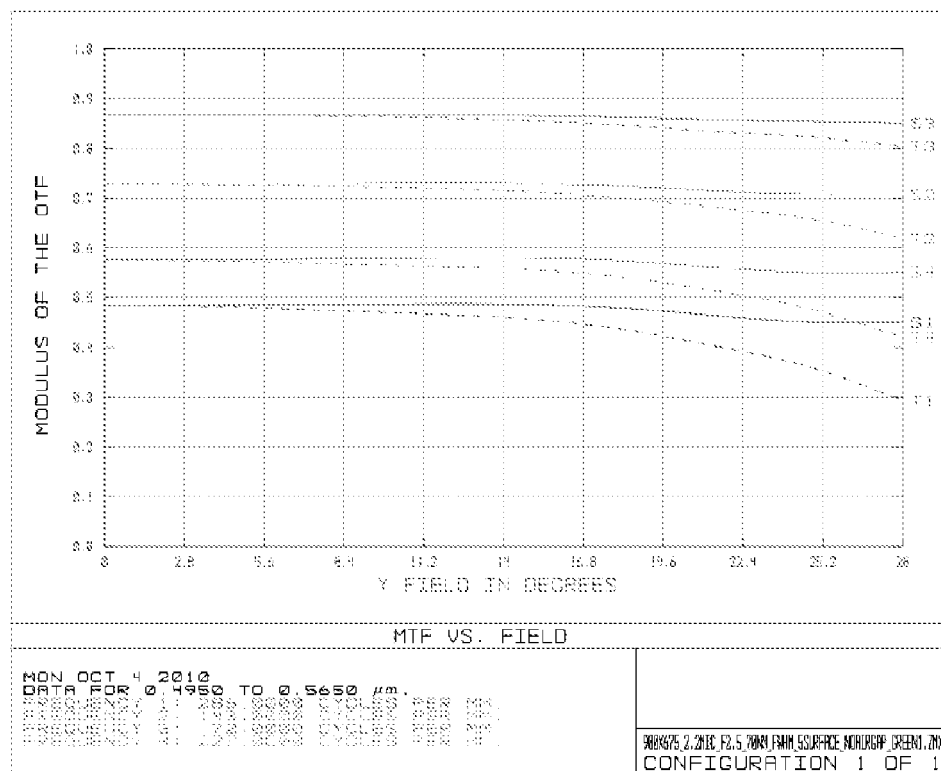


FIG. 5D

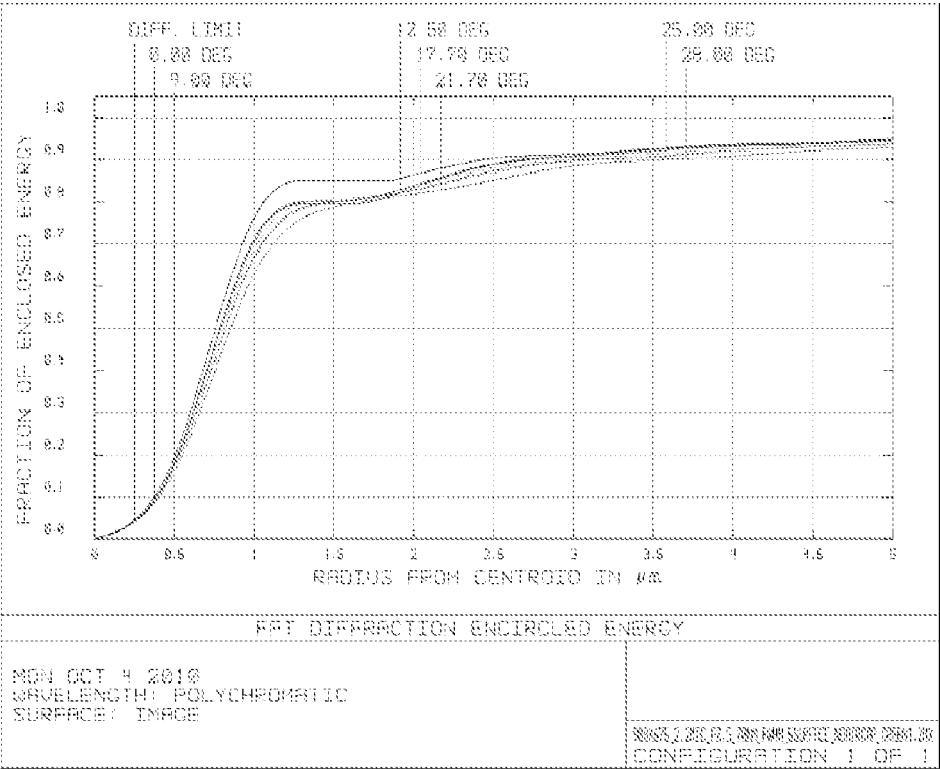


FIG. 5E

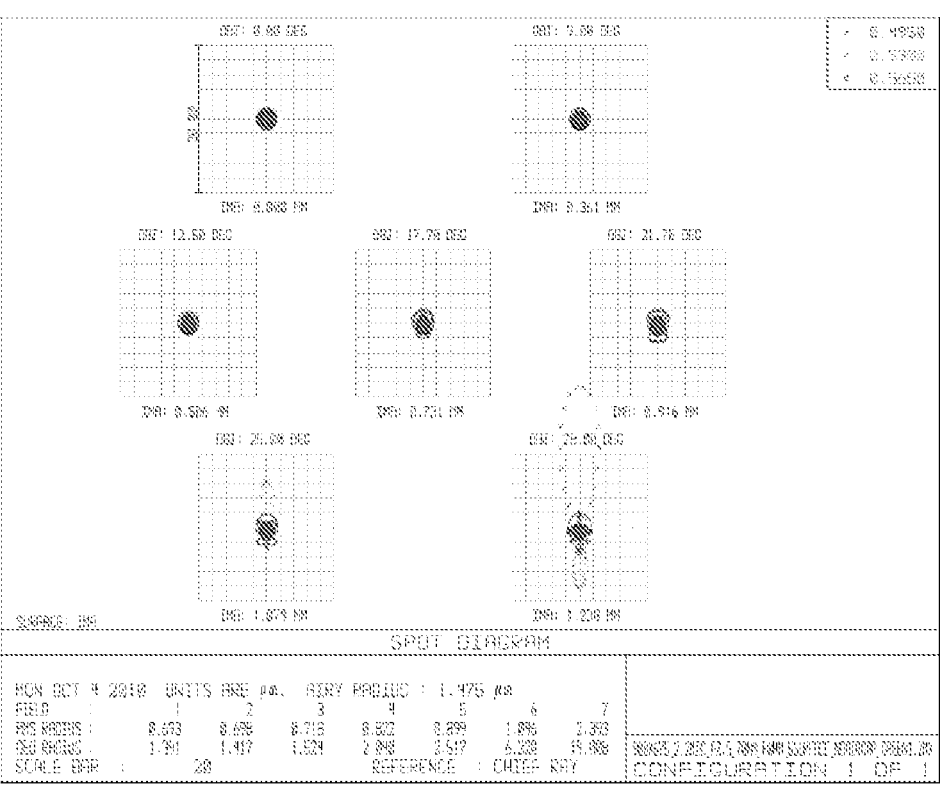


FIG. 5F

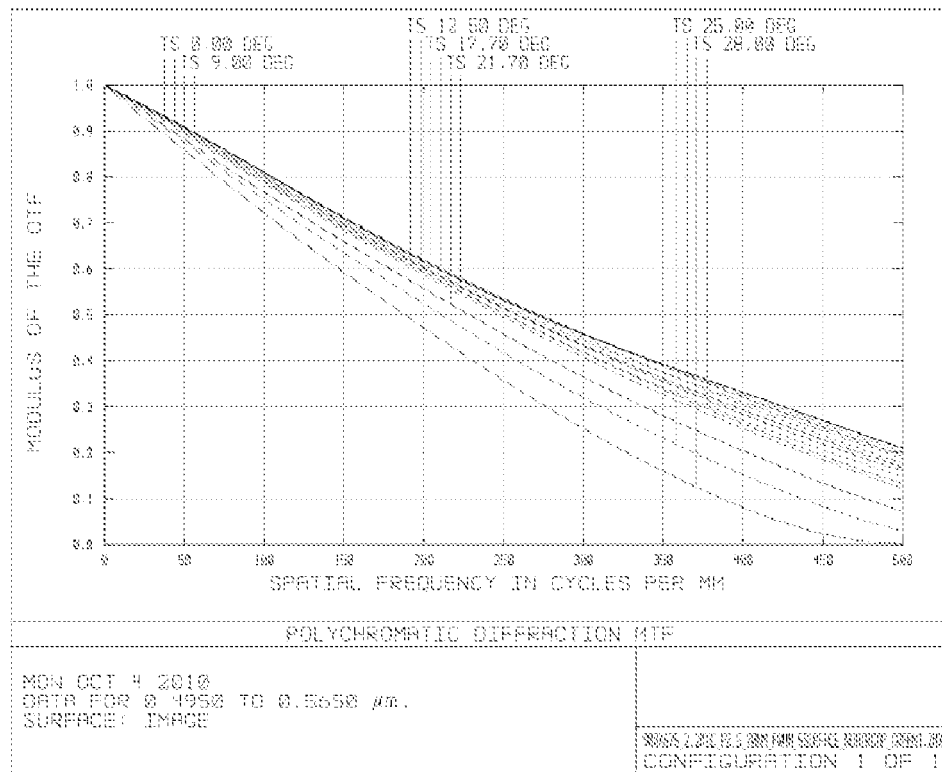


FIG. 5G

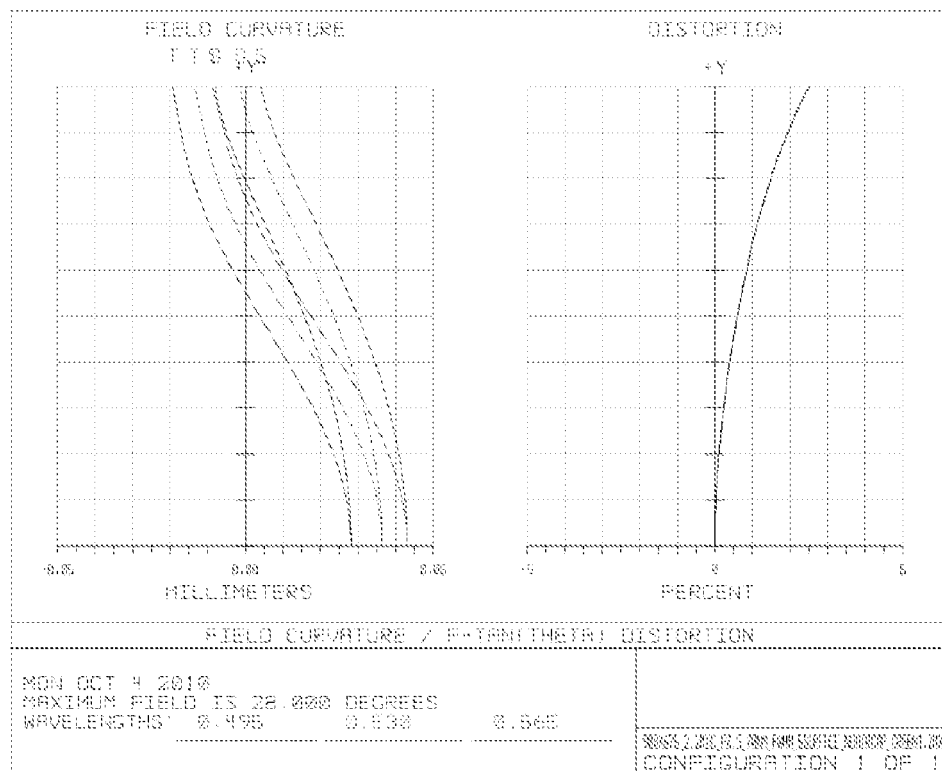


FIG. 5H

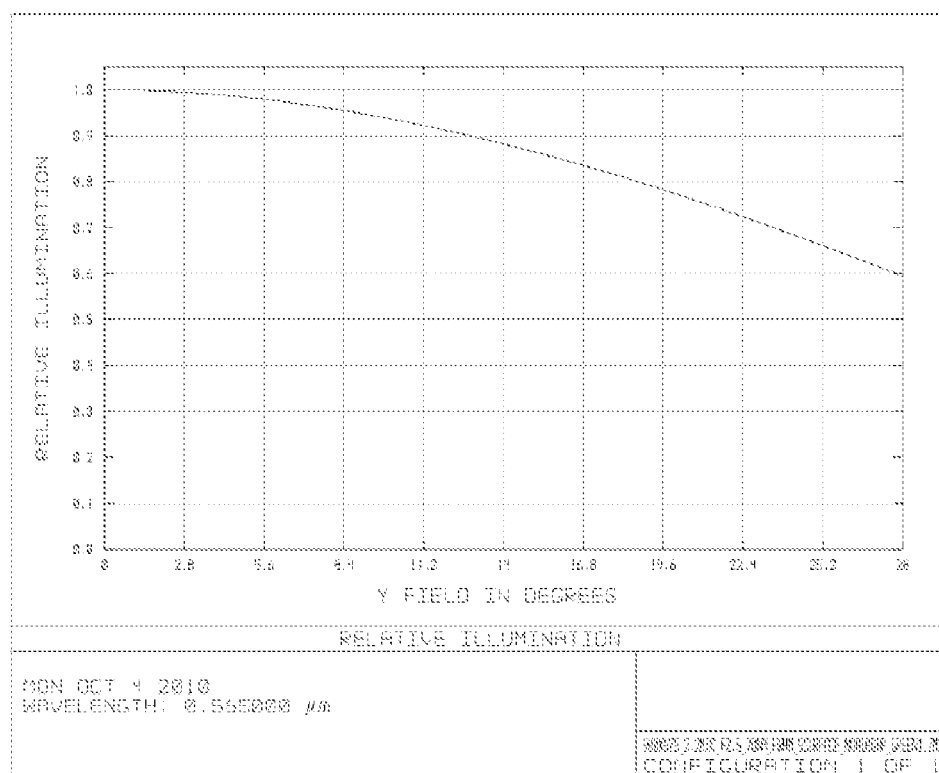


FIG. 5I1

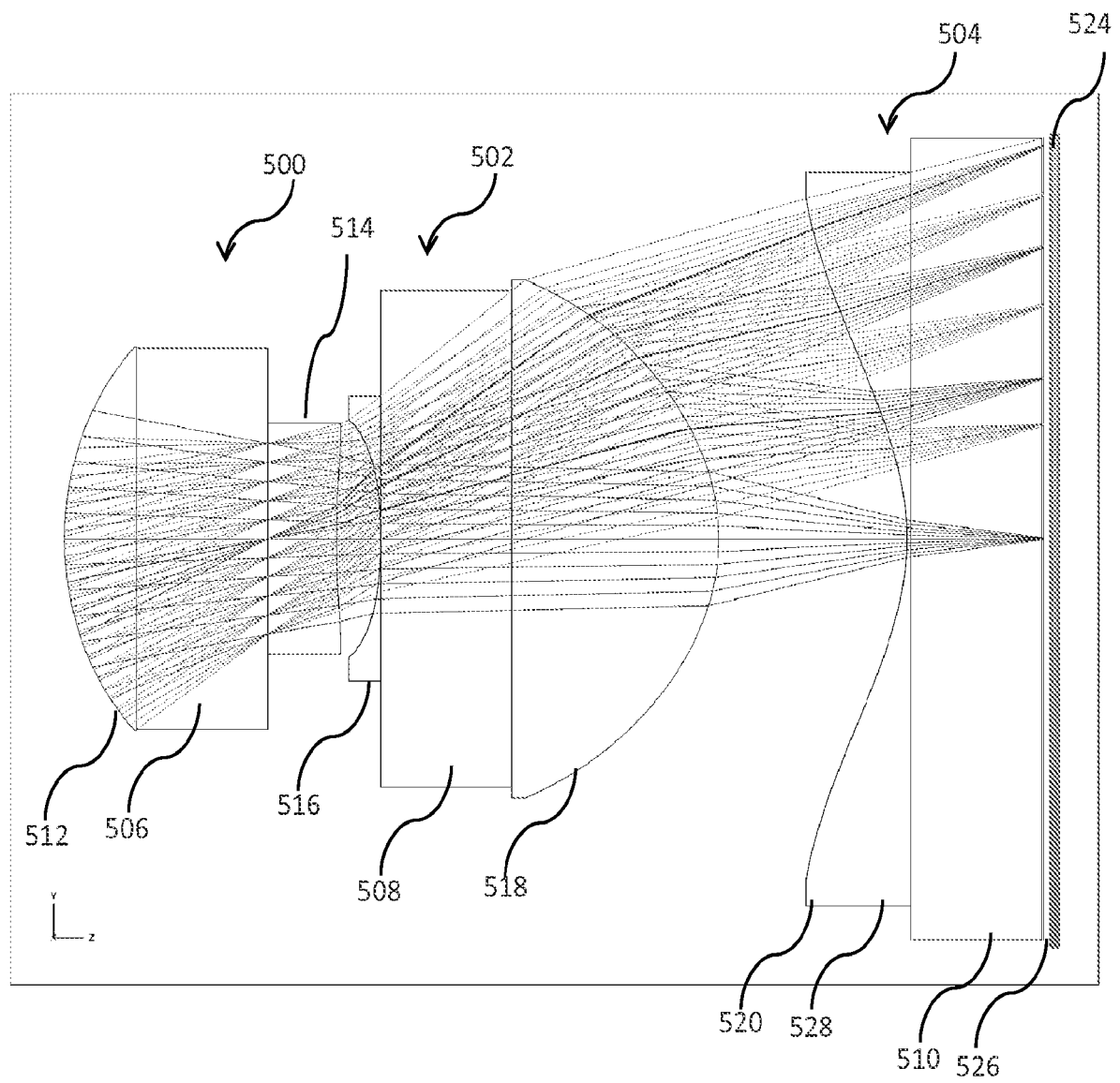


FIG. 512

Surf. type	Comment	Radius	Thickness	Glass	Semi-Diameter	Conic	Par 0 (unused)	2 nd Order Term	4 th Order Term	6 th Order Term	8 th Order Term	10 th Order Term	12 th Order Term
Obj	Standard	Infinity	400.00		213.006	0.000							
1*	Even ASPH..	.0885	0.257	1.52,53.7	0.603	0.389		0.000	0.000	0.129	-0.349	0.000	0.000
2*	Standard	Infinity	0.434	1.52,54.4	0.603	0.000						0.000	
*	Standard	Infinity	0.178	1.61,28.5	0.305	0.000							
4*	Even ASPH..	1.710	0.209		0.360	-1.906		0.000	0.000	7.987	-16.976	0.000	0.000
5*	Even ASPH..	-1.446	1.563E-005	1.61,28.5	0.446	7.917		0.000	0.000	-5.201	39.425	0.000	0.000
6*	Standard	Infinity	0.424	1.52,54.4	0.497	0.000				-		0.000	
7*	Standard	Infinity	0.639	1.52,53.7	0.799	0.000							
8*	Even ASPH..	-0.597	0.608		0.799	-0.891		0.000	0.000	-0.152	-0.218	0.000	0.000
9*	Even ASPH..	-0.761	0.014	1.52,53.7	1.068	-3.525		0.000	0.000	0.120	-0.045	0.000	0.000
10*	Standard	Infinity	0.566	1.47,66.7	1.152	0.000							
11*	Standard	Infinity	0.014		1.293	0.000							
IMA	Standard	Infinity	-		1.299	0.000							

FIG. 5J1

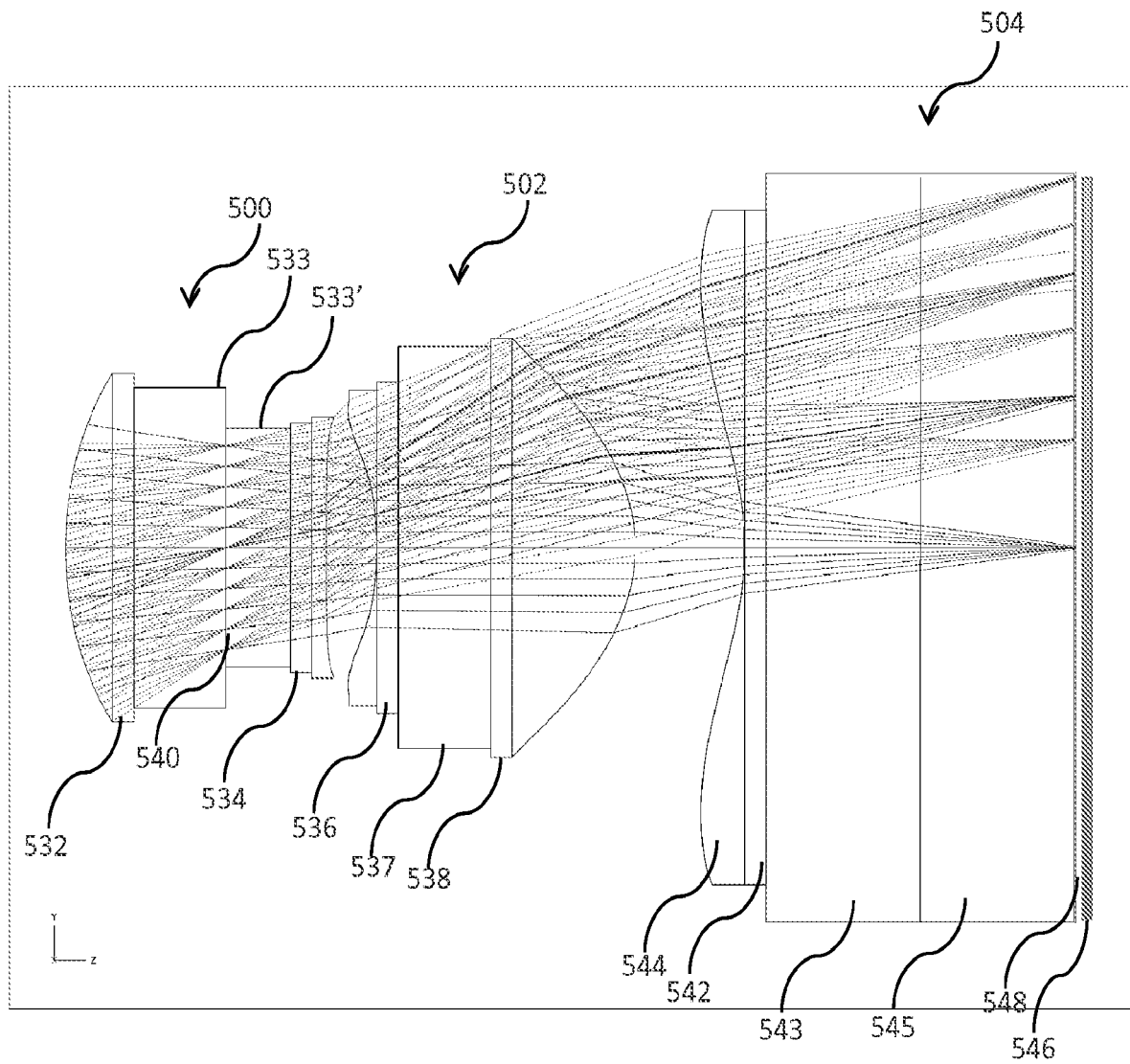


FIG 5J2

Surf. type	Standard	Comment	Radius	Thickness	Glass	Semi-Diameter	Conic
Obj	Standard		Infinity	400.00		213.449	0.000
1	Standard		Infinity	1.000		1.142	0.000
2	Even ASPH.		1.010	0.176	V	0.528	1.330
3	Standard		Infinity	0.070	NA02	0.516	0.000
4	Standard		Infinity	0.300	D263	0.476	0.000
STO	Standard		Infinity	0.210	D263	0.301	0.000
6	Standard		Infinity	0.070	MP10	0.353	0.000
7	Standard		Infinity	0.035	MP10	0.370	0.000
8	Even ASPH.		9.515	0.167	V	0.384	-1078.719
9	Even ASPH.		-0.360	-1.665E-006	V	0.434	2.047
10	Standard		Infinity	0.070	MP10	0.464	0.000
11	Standard		Infinity	0.300	D263	0.487	0.000
12	Standard		Infinity	0.070	NA02	0.594	0.000
13	Standard		Infinity	0.400	V	0.619	0.000
14	Even ASPH.		-0.454	0.356	V	0.619	-0.770
15*	Even ASPH.		-0.812	-1.274E-005	V	1.000	-5.510
16	Standard		Infinity	0.070	BAJ5	1.000	0.000
17*	Standard		Infinity	1.000	BAJ5	1.000	0.000
18	Standard		Infinity	6.000E-003	B33	1.123	0.000
IMA	Standard		Infinity	-		1.126	0.000

Surf. type	Par 0 (unused)	2 nd Order Term	4 th Order Term	6 th Order Term	8 th Order Term	10 th Order Term	12 th Order Term	14 th Order Term
Obj								
1								
2		0.000	-0.217	0.987	V -0.787	V -22.313	V 46.401	V 0.000
3								
4								
STO								
6								
7								
8		0.000	-0.281	4.691	V -51.935	V 1162.586	V -4401.236	V 0.000
9		0.000	-0.942	V -4.174	V 103.985	V 109.752	V -826.497	V 0.000
10								
11								
12								
13								
14		0.000	0.450	V -0.426	V 0.608	V -0.945	V 8.392	V 0.000
15*		0.000	0.200	V 0.190	V -0.227	V -0.080	V 0.135	V 0.000
16								
17*								
18								
IMA								

FIG. 6A

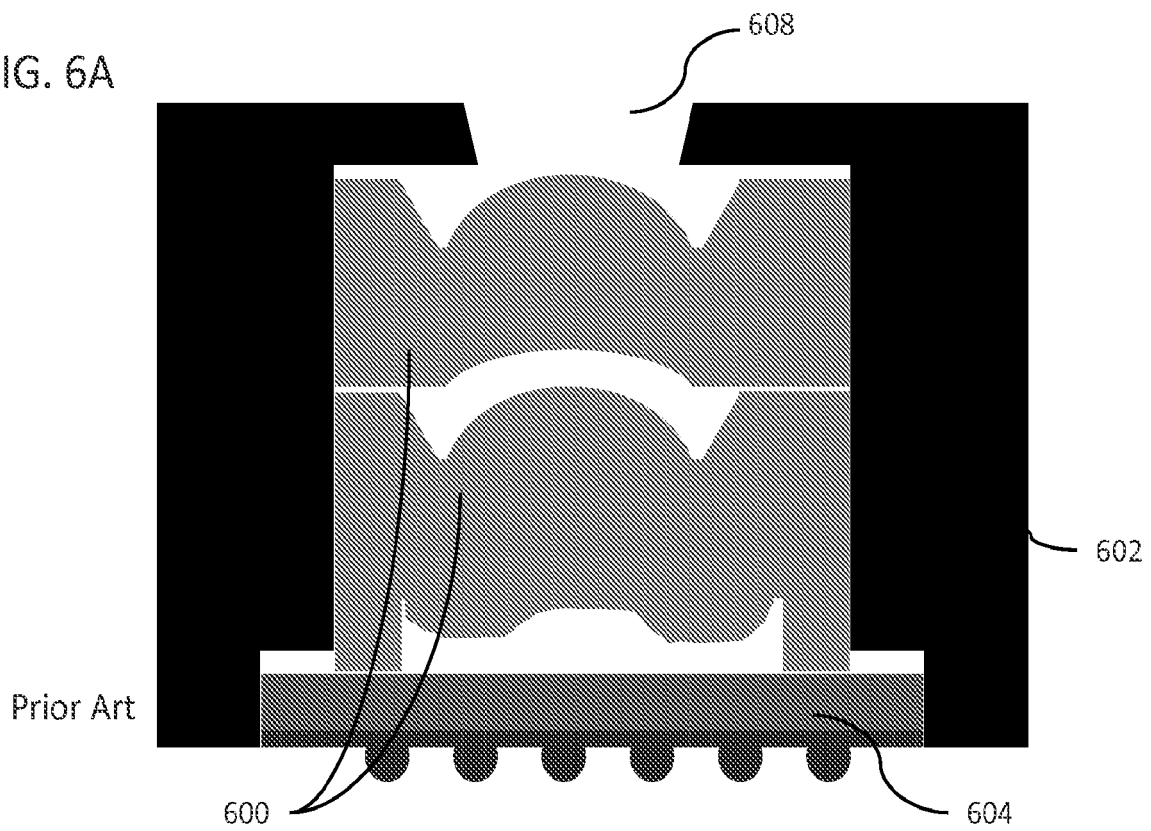


FIG. 6B

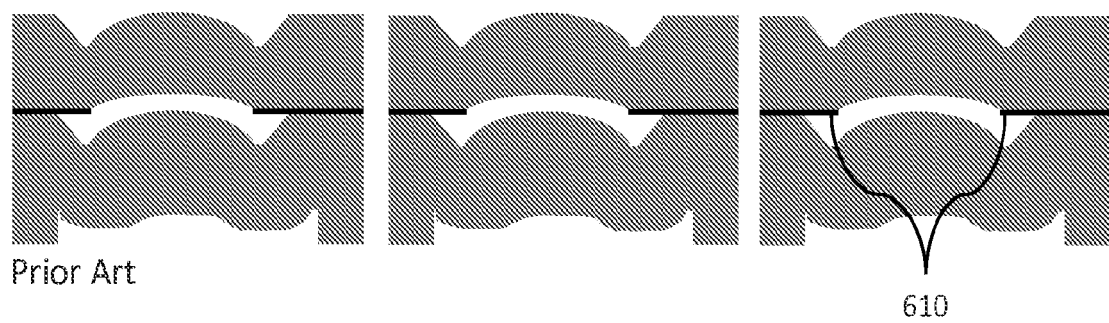


FIG. 6C

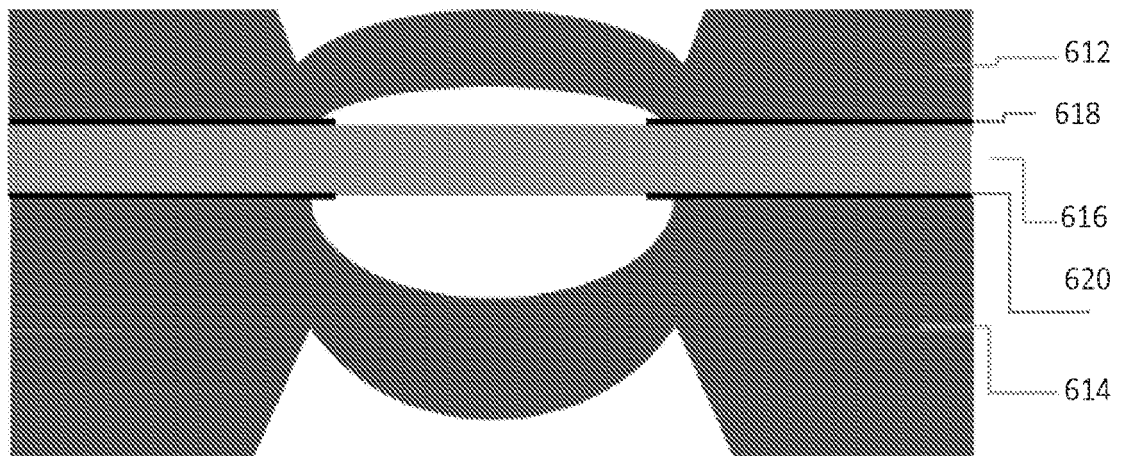




FIG. 6D1



FIG. 6D2

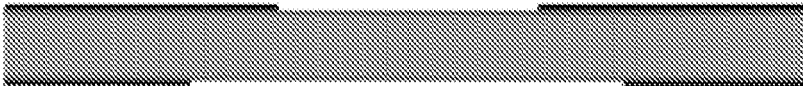


FIG. 6D3



FIG. 6D4

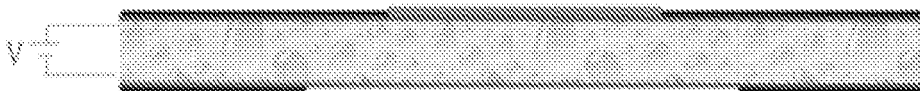


FIG. 6D5



FIG. 6D6

FIG. 7A

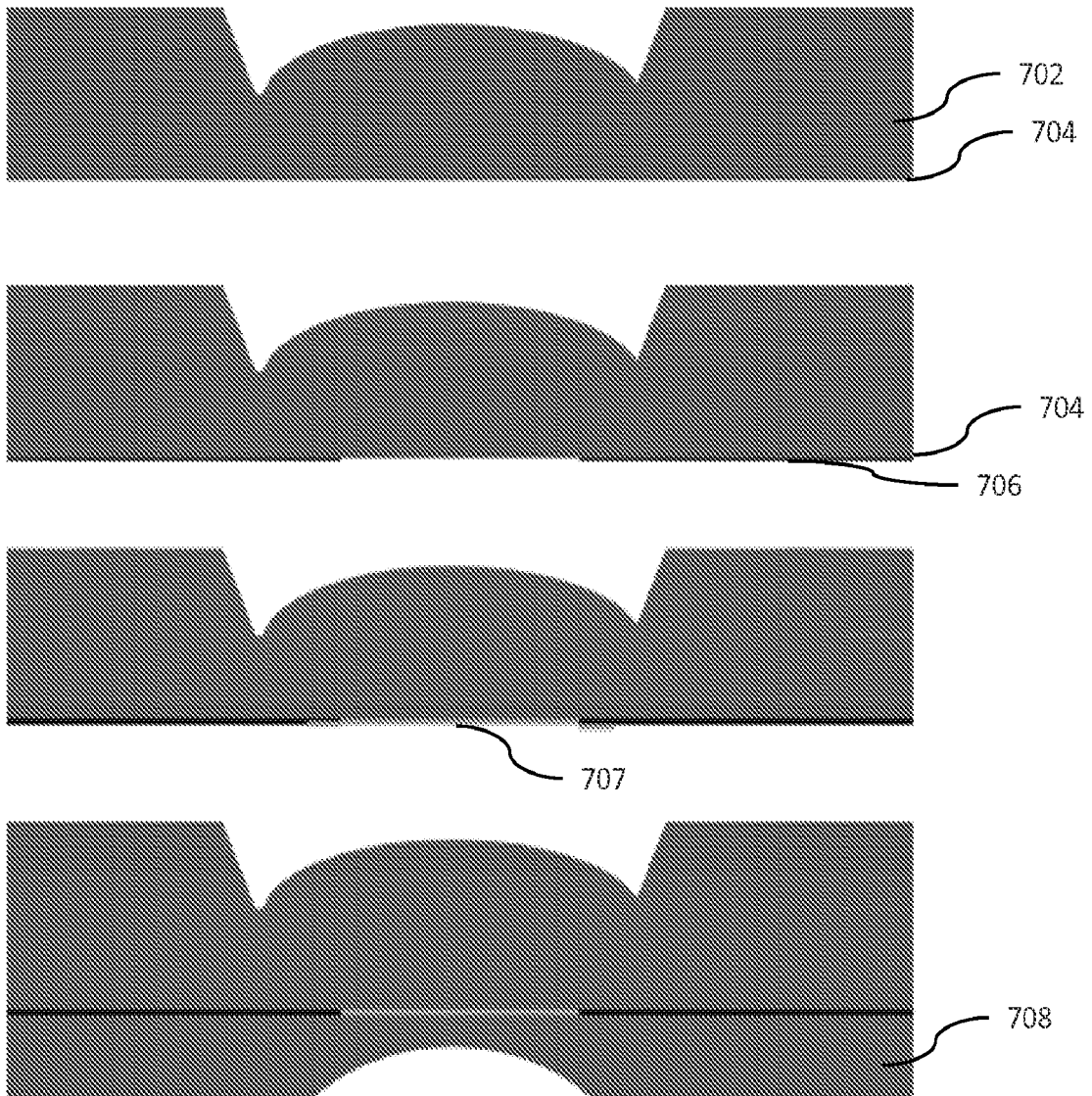


FIG. 7B

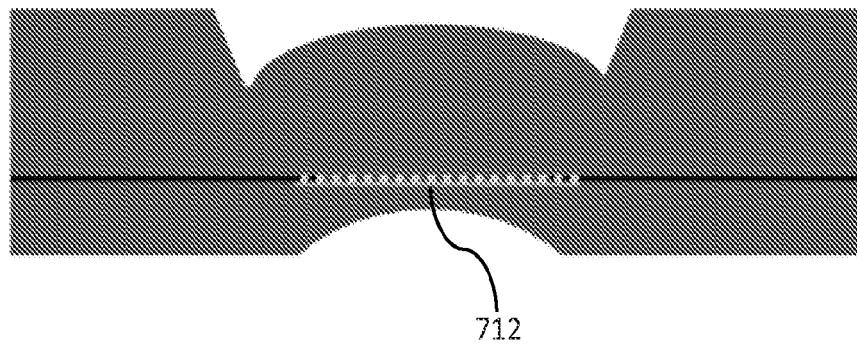


FIG. 7C

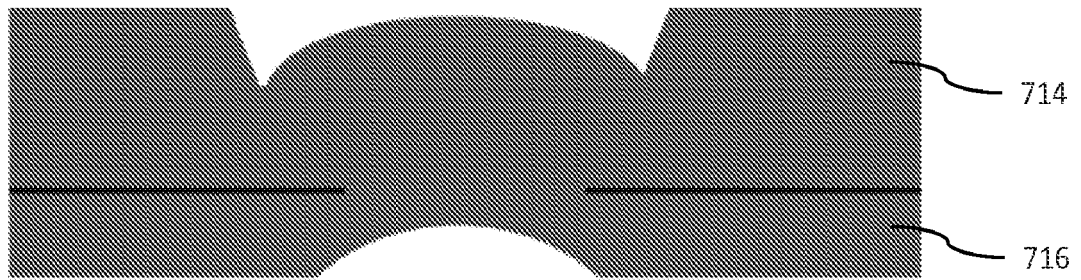


FIG. 7D

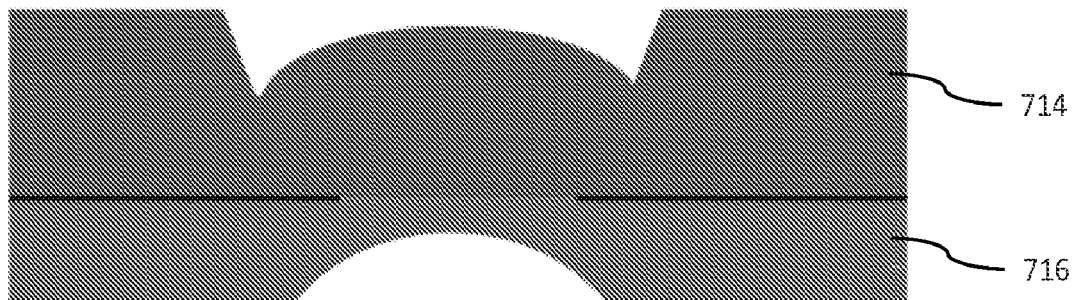


FIG. 7E

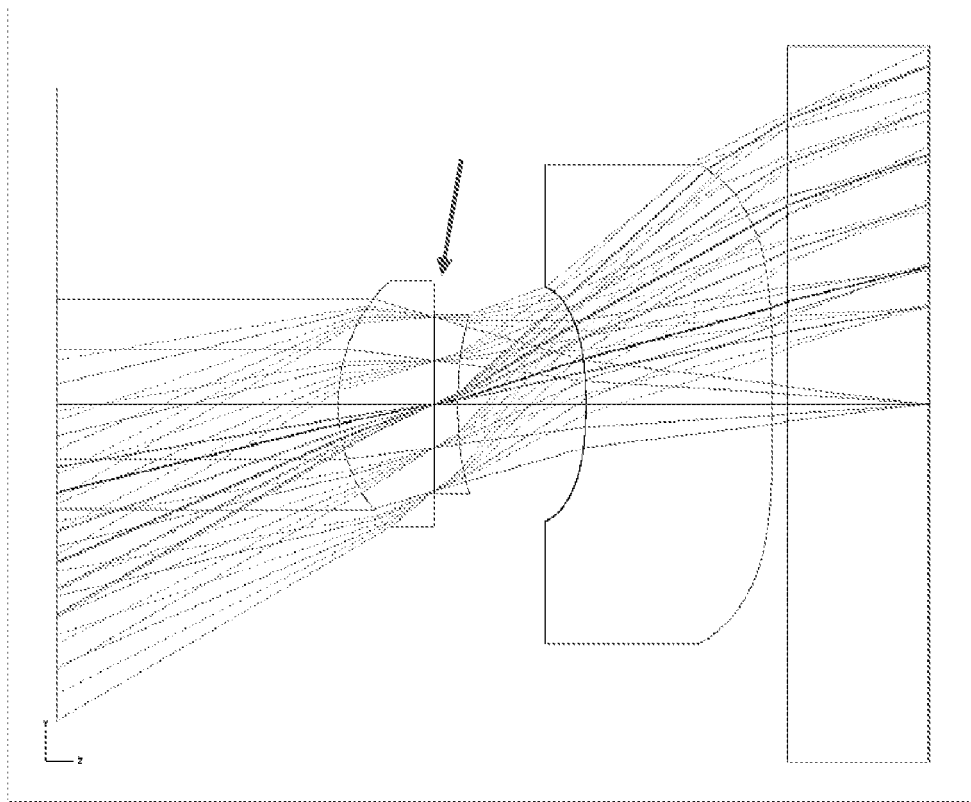


FIG. 7F

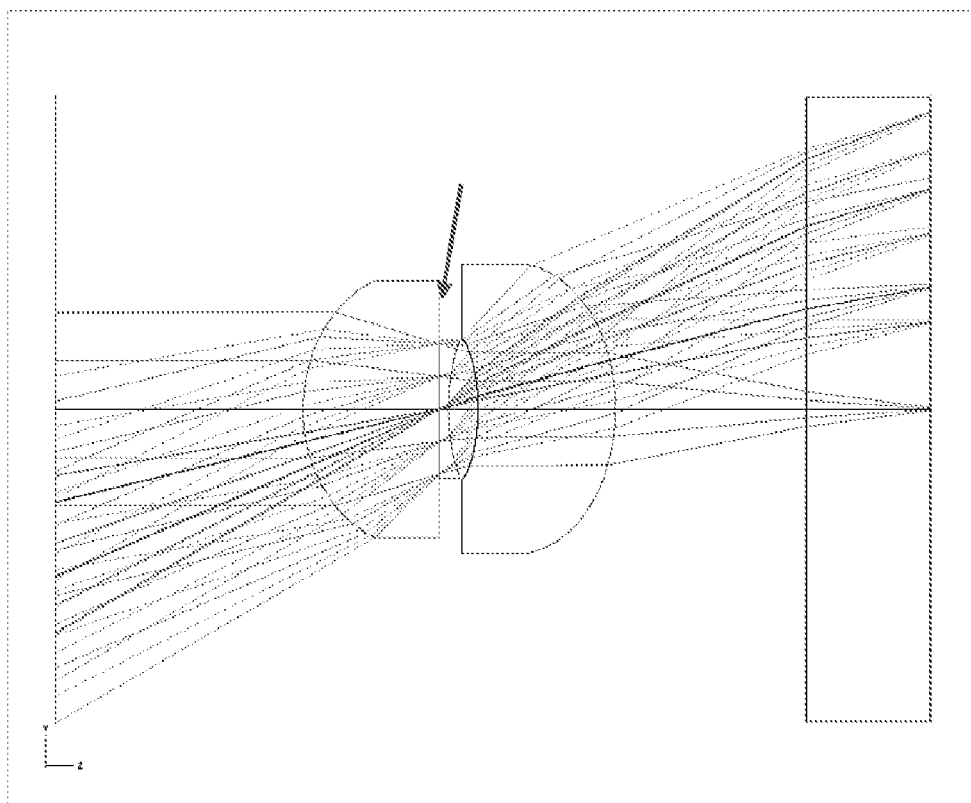


FIG. 7G

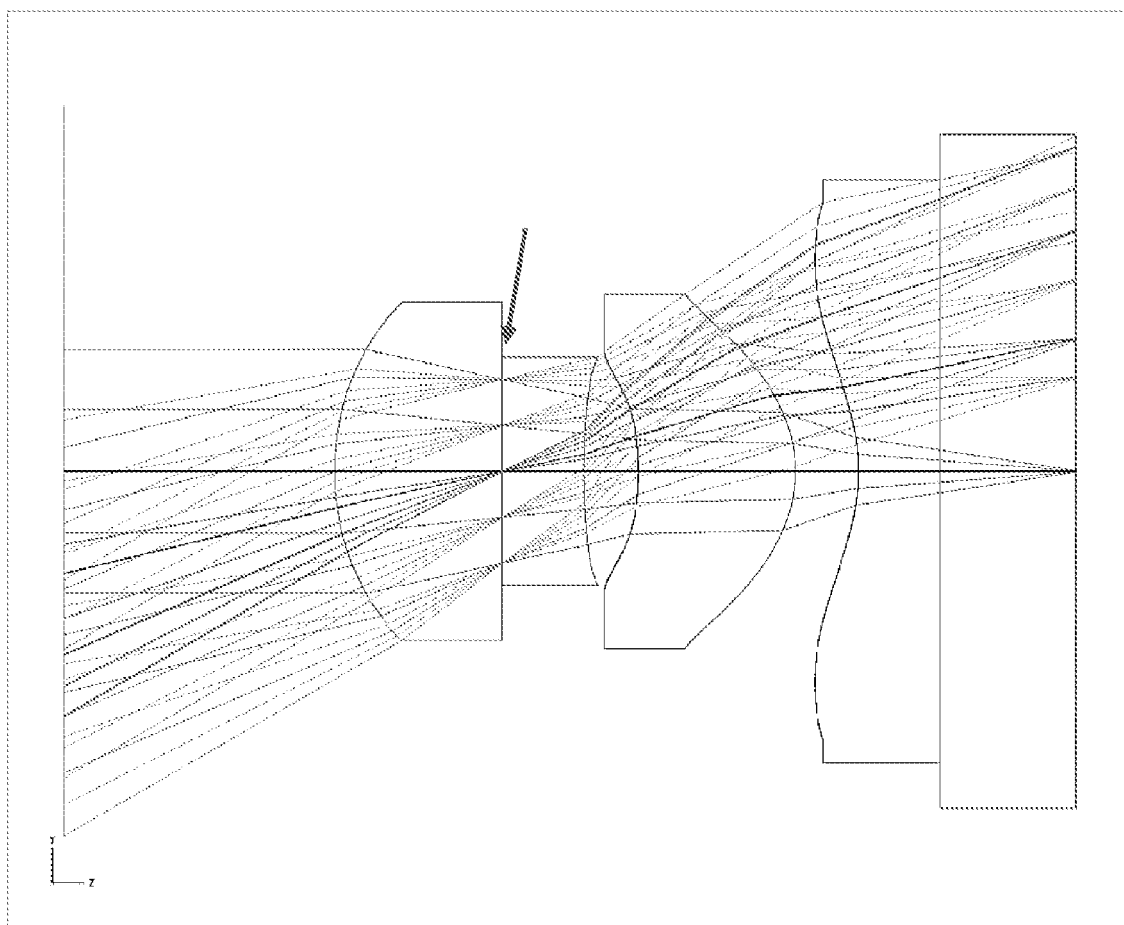


FIG. 8A

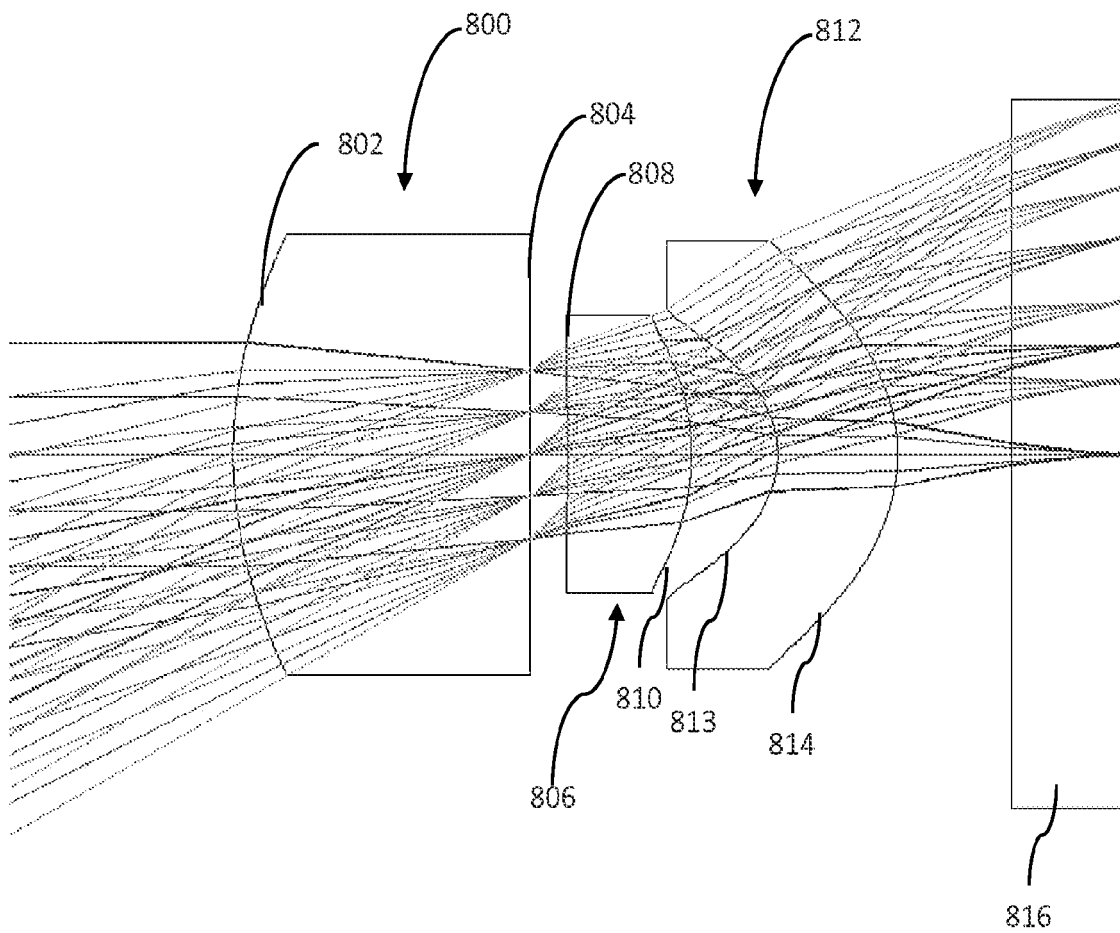


FIG. 8B

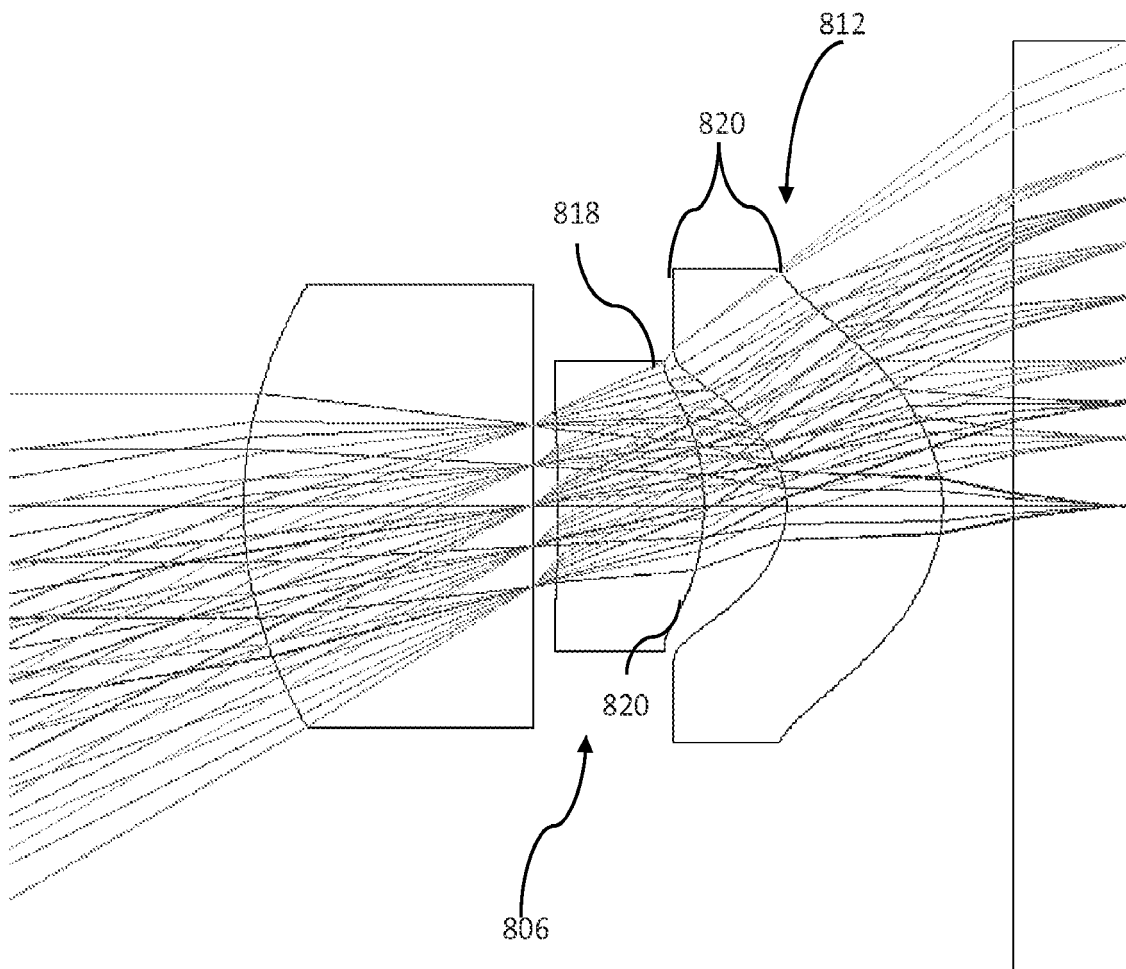


FIG. 8C

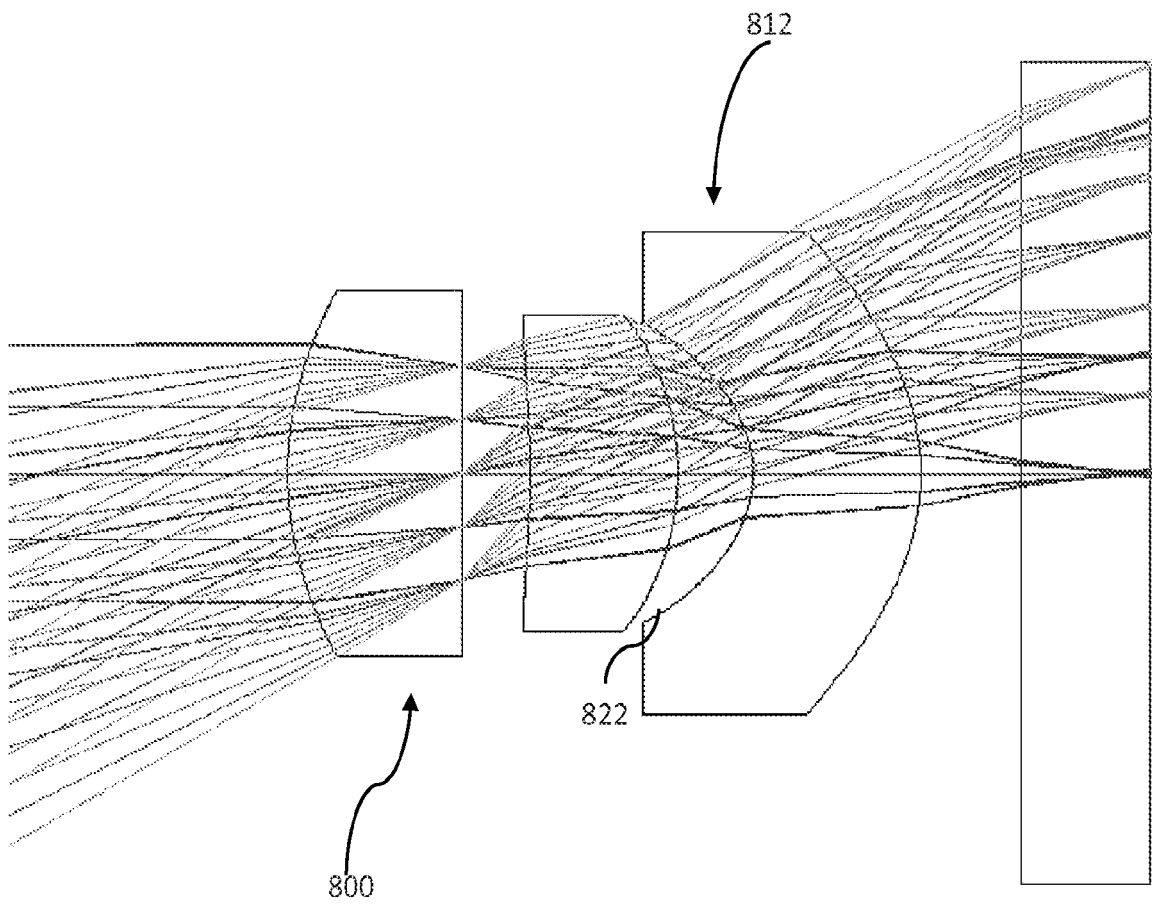


FIG. 8D

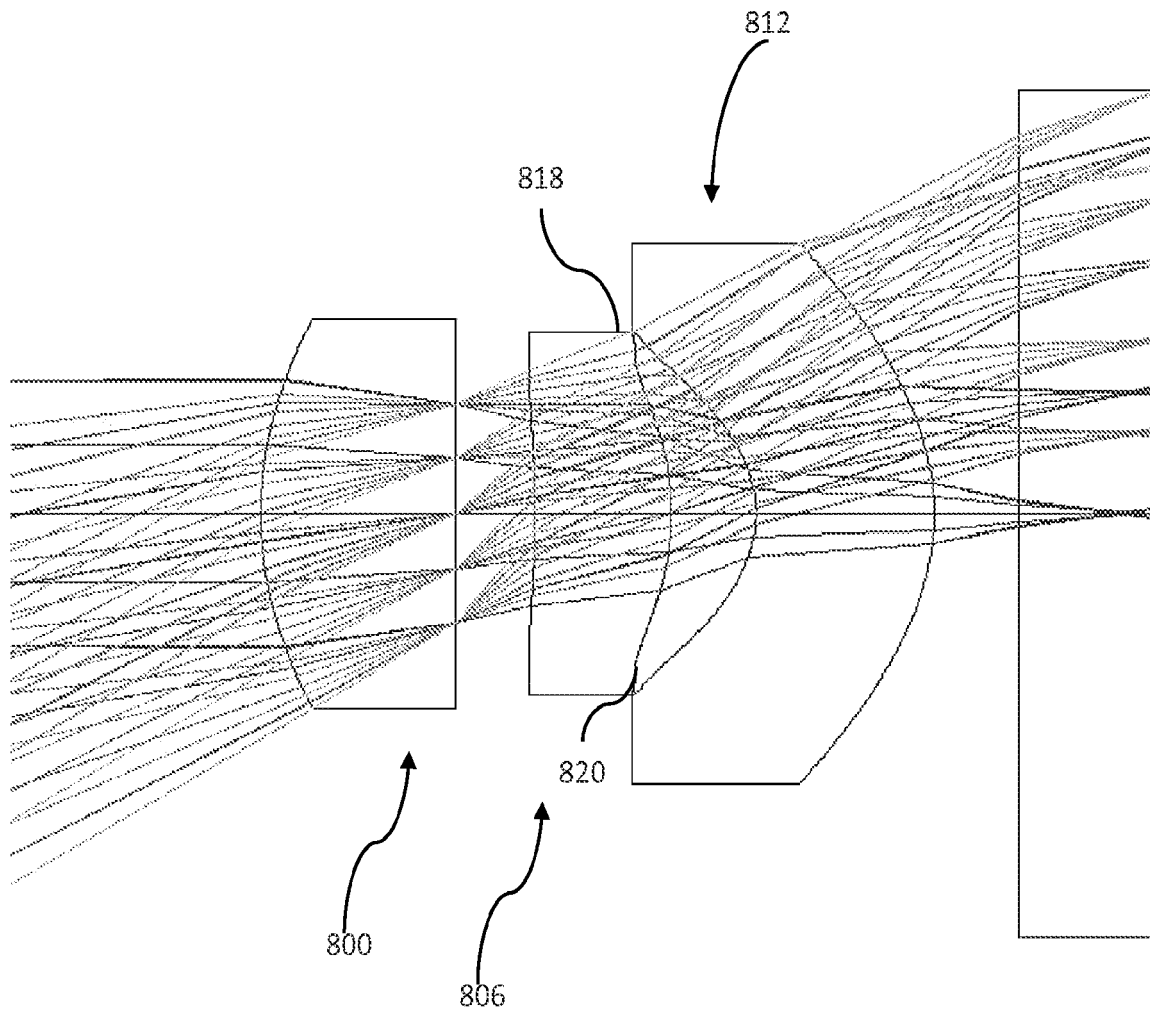


FIG. 8E

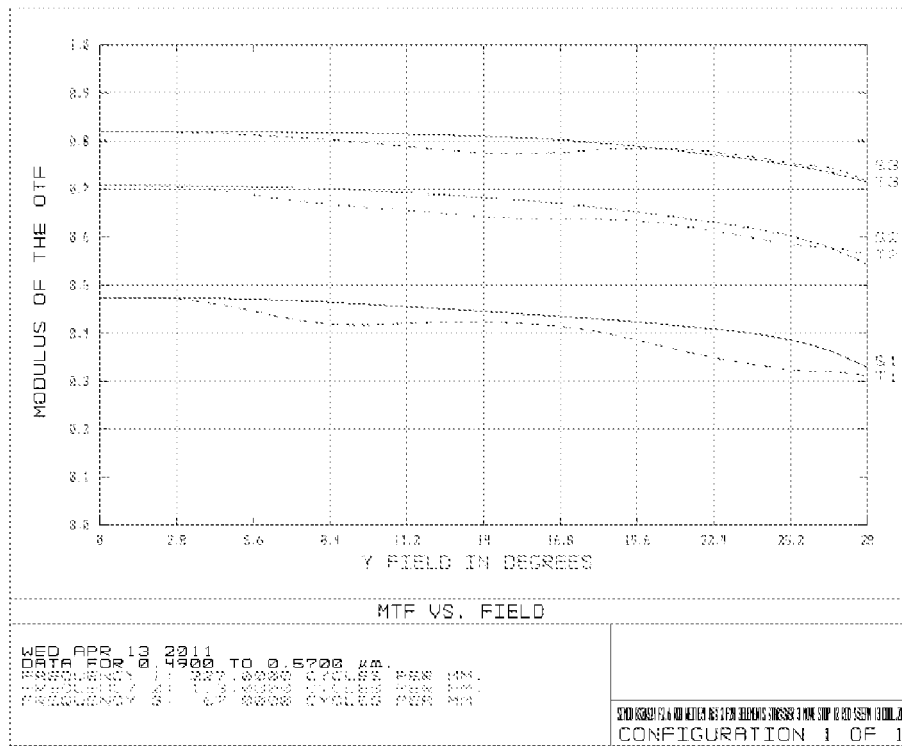


FIG. 8F

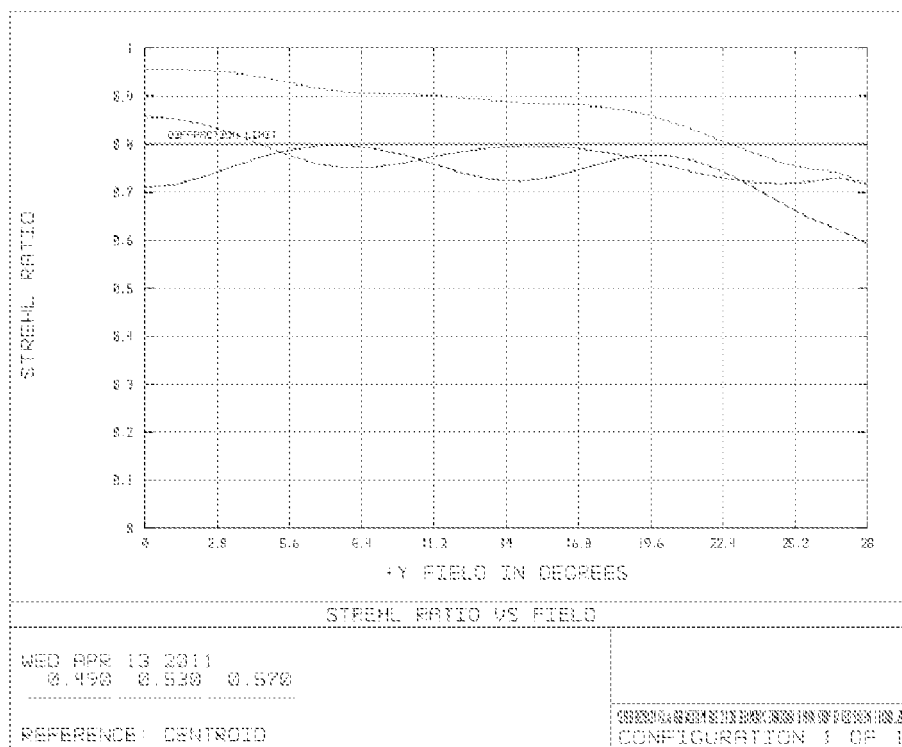


FIG. 8G

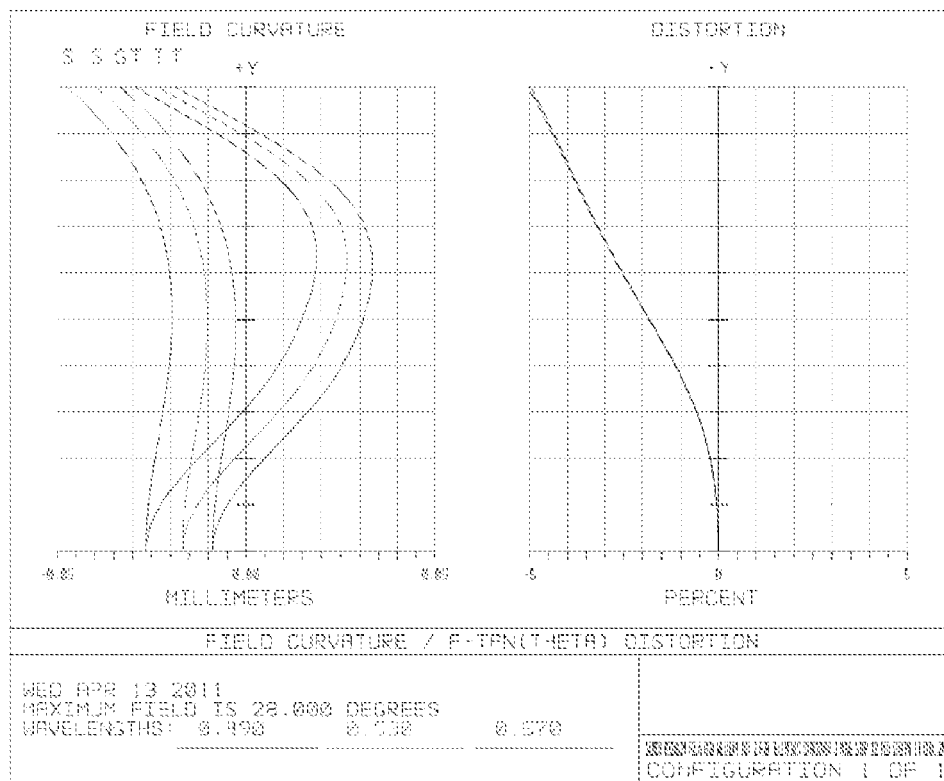


FIG. 8H

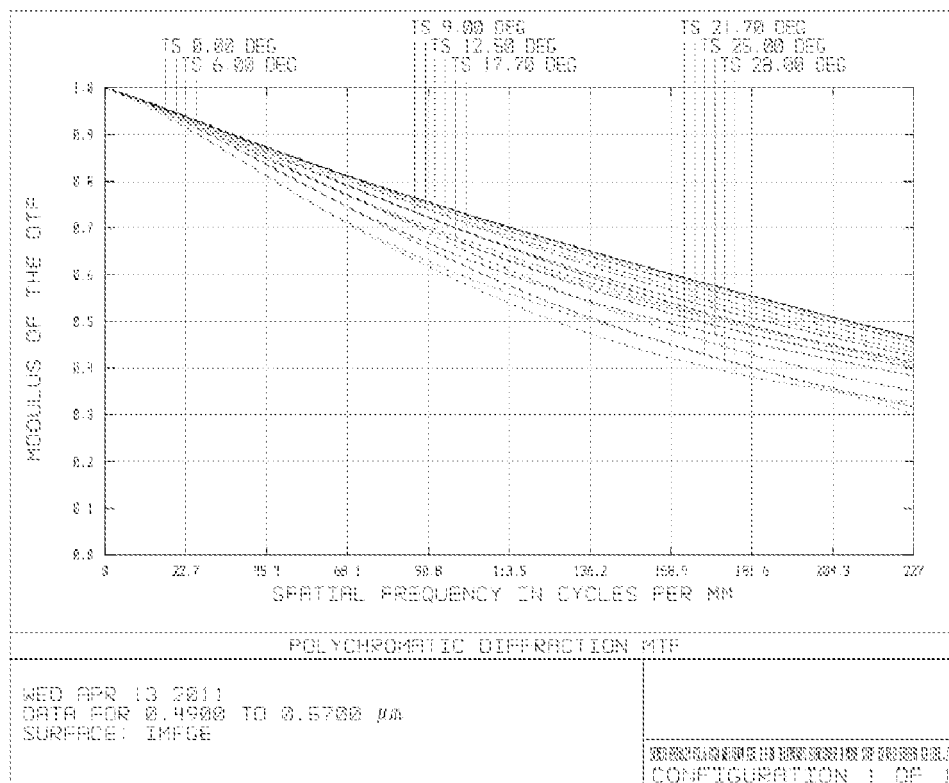


FIG. 81

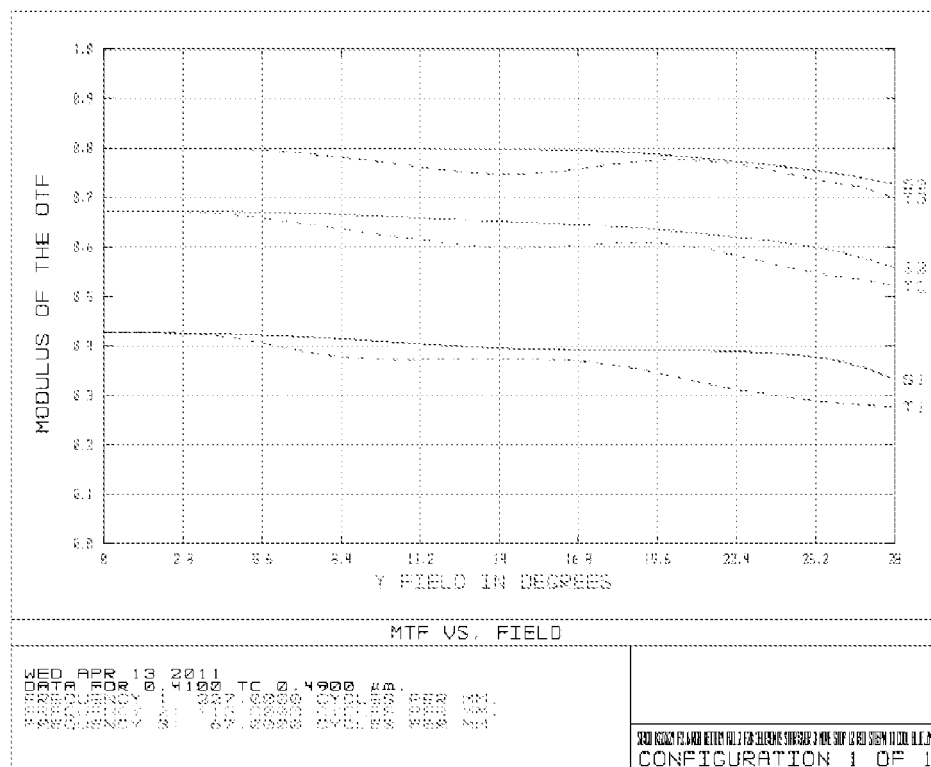


FIG. 8J

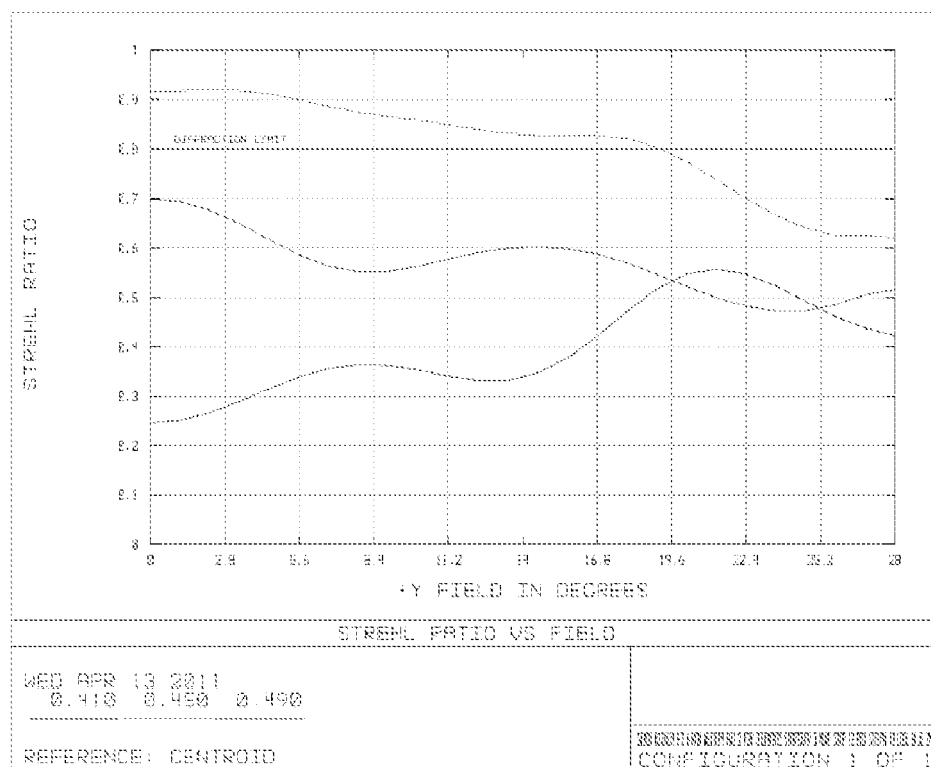


FIG. 9A

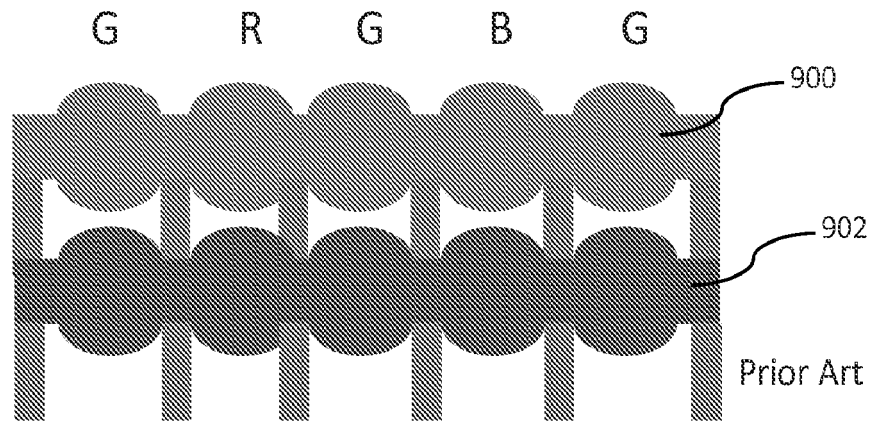


FIG. 9B

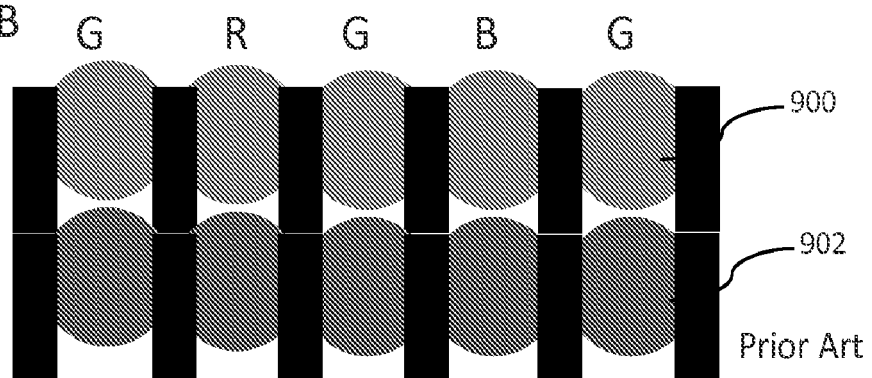


FIG. 9C

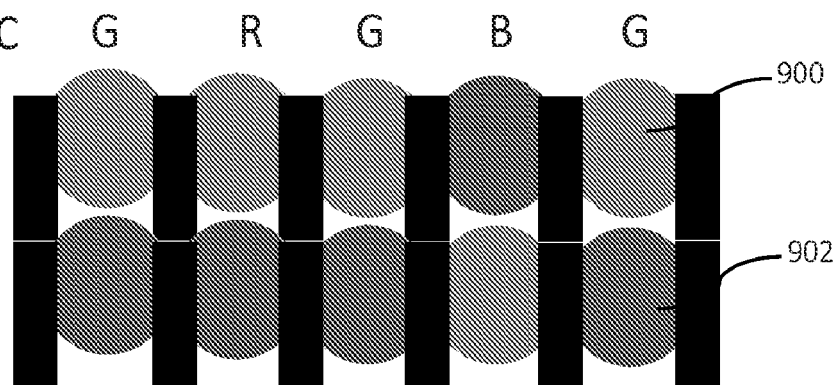


FIG. 9D

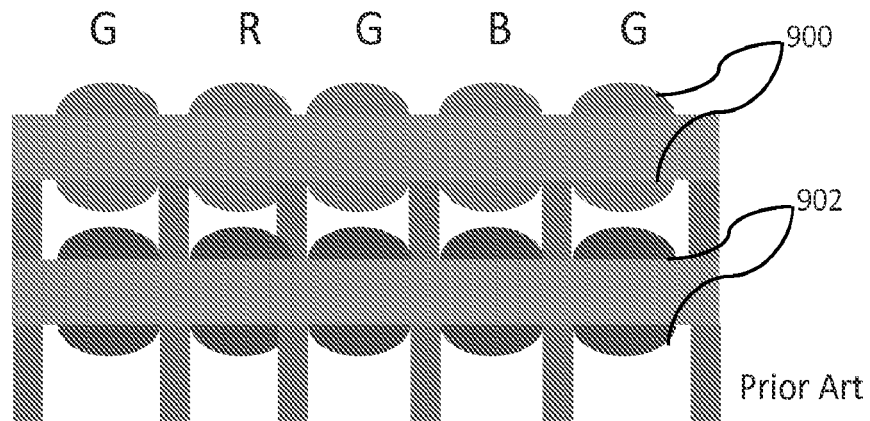
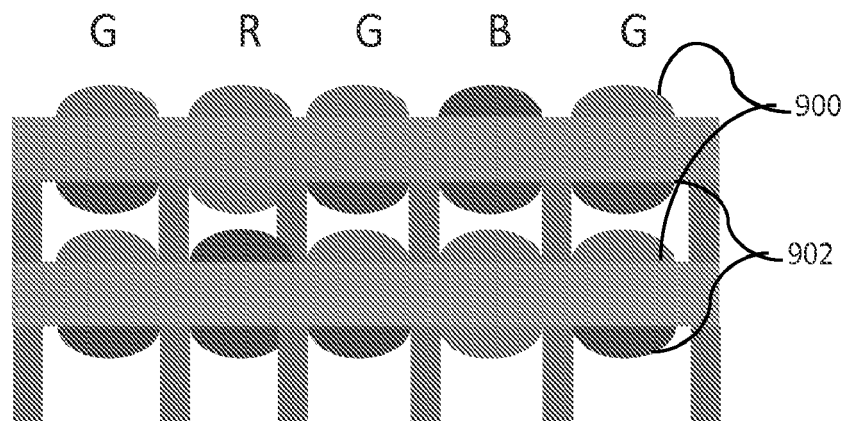


FIG. 9E



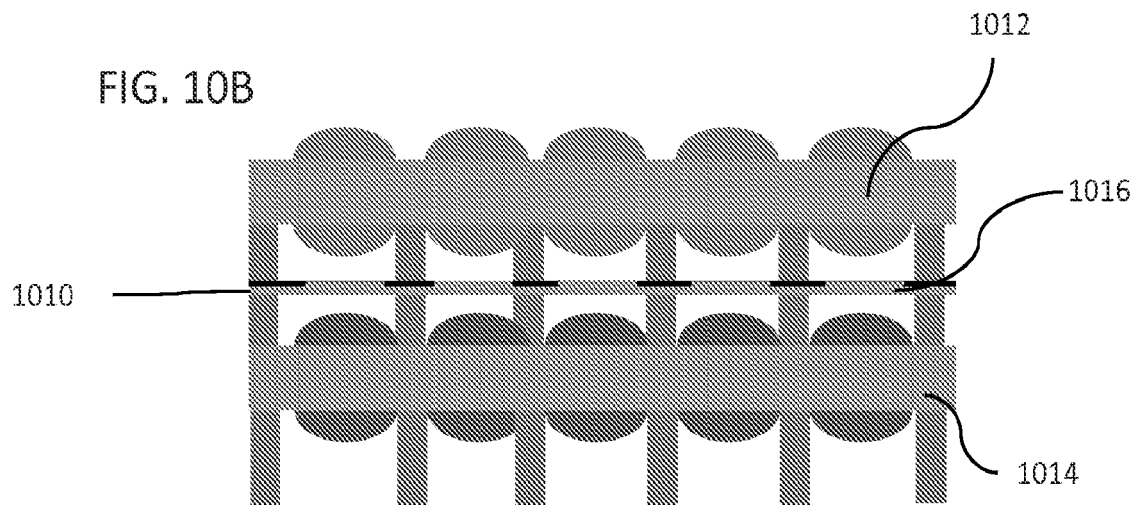
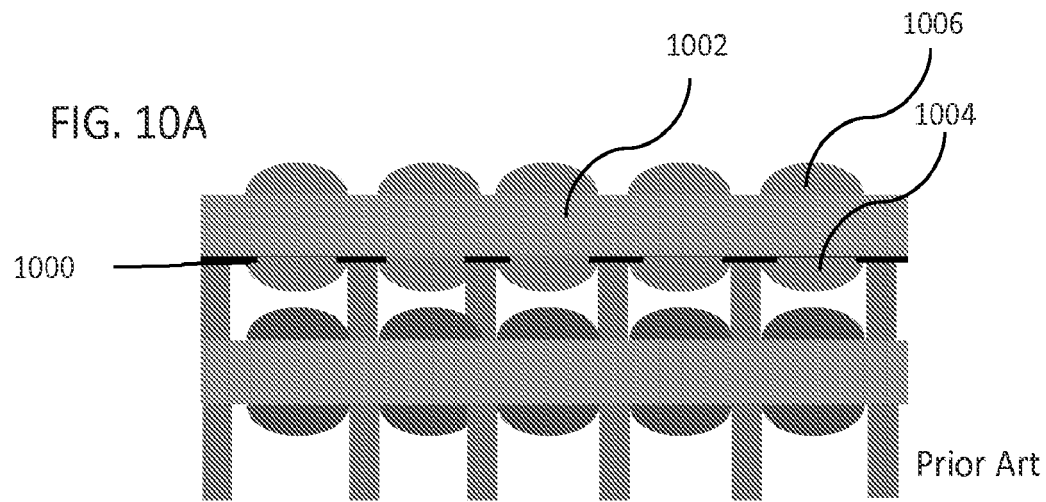


FIG. 11A

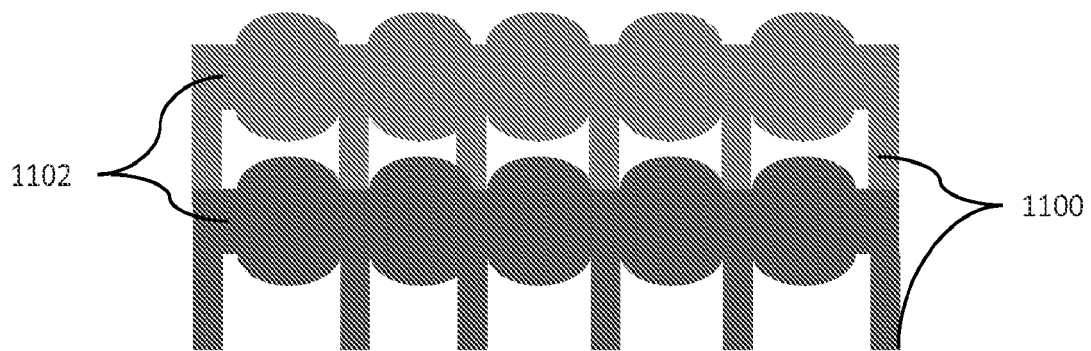


FIG. 11B

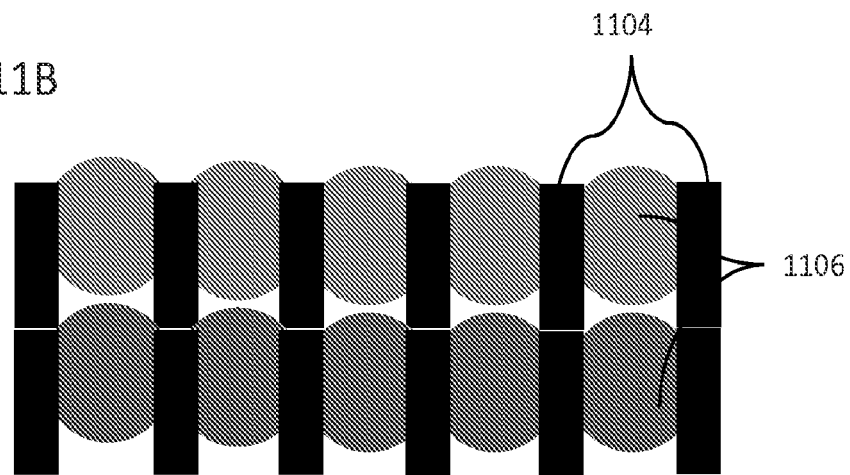


FIG. 12

