

FIG. 1

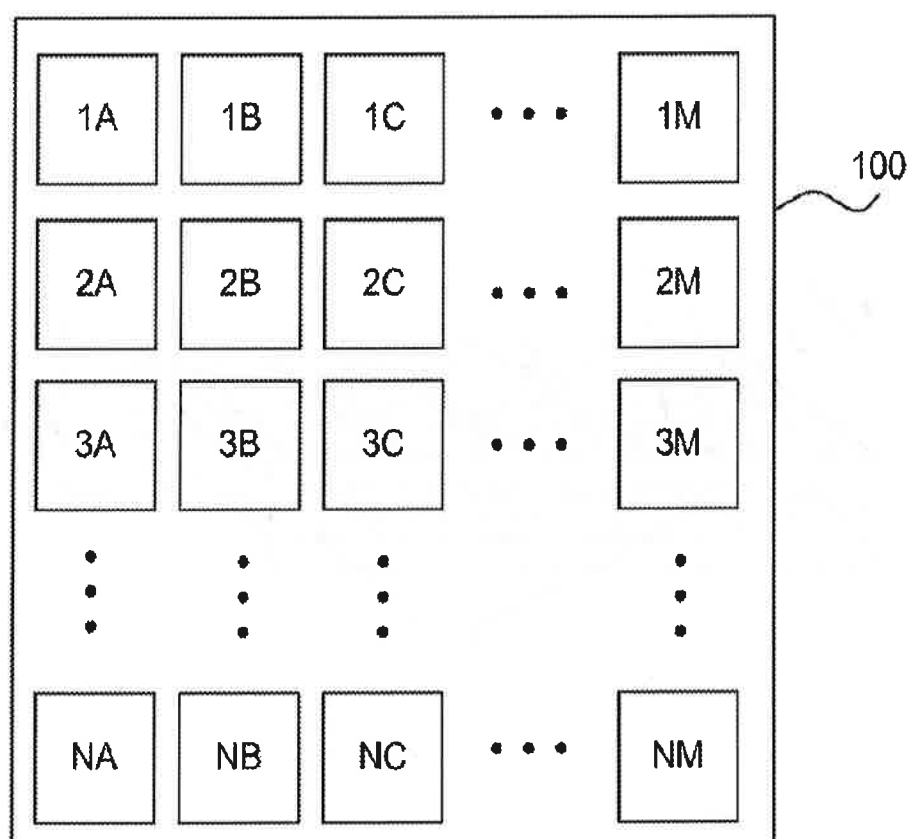


FIG. 2

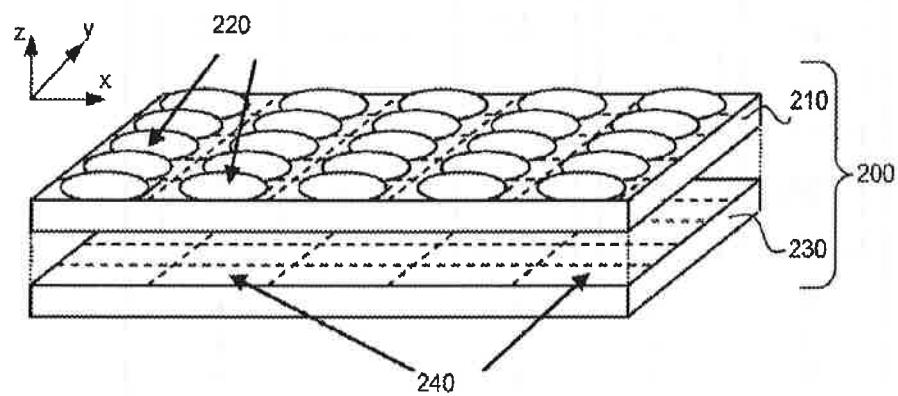


FIG. 3

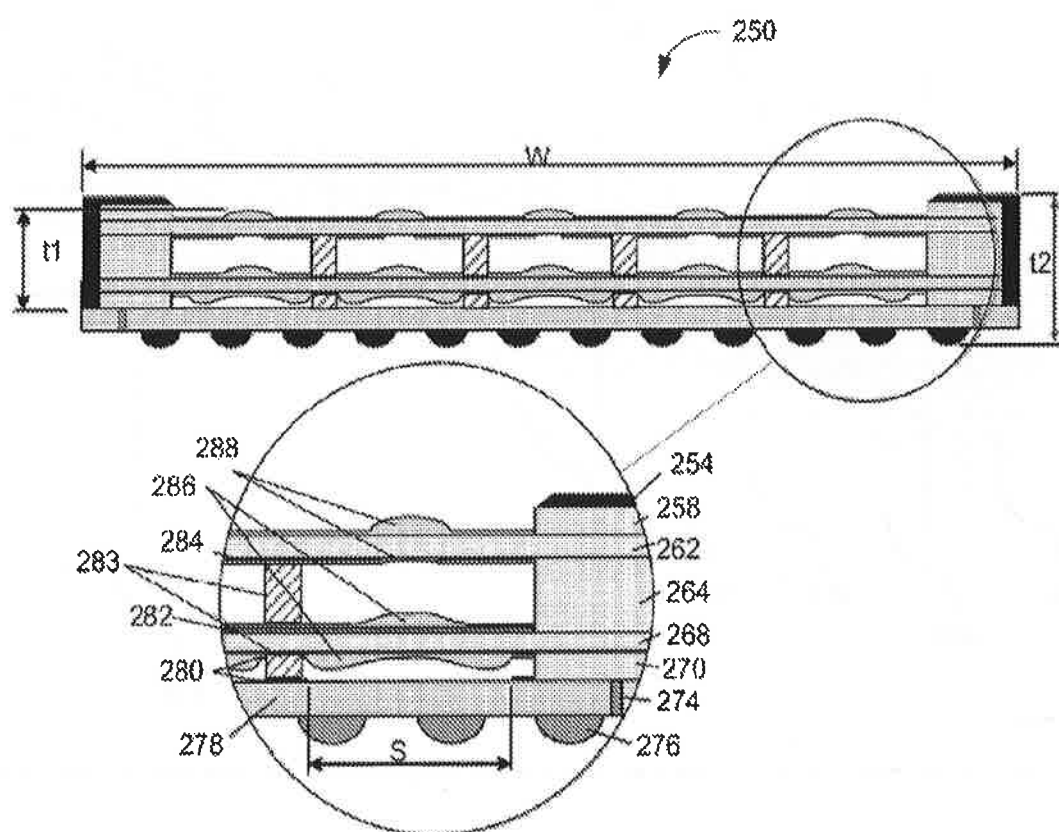
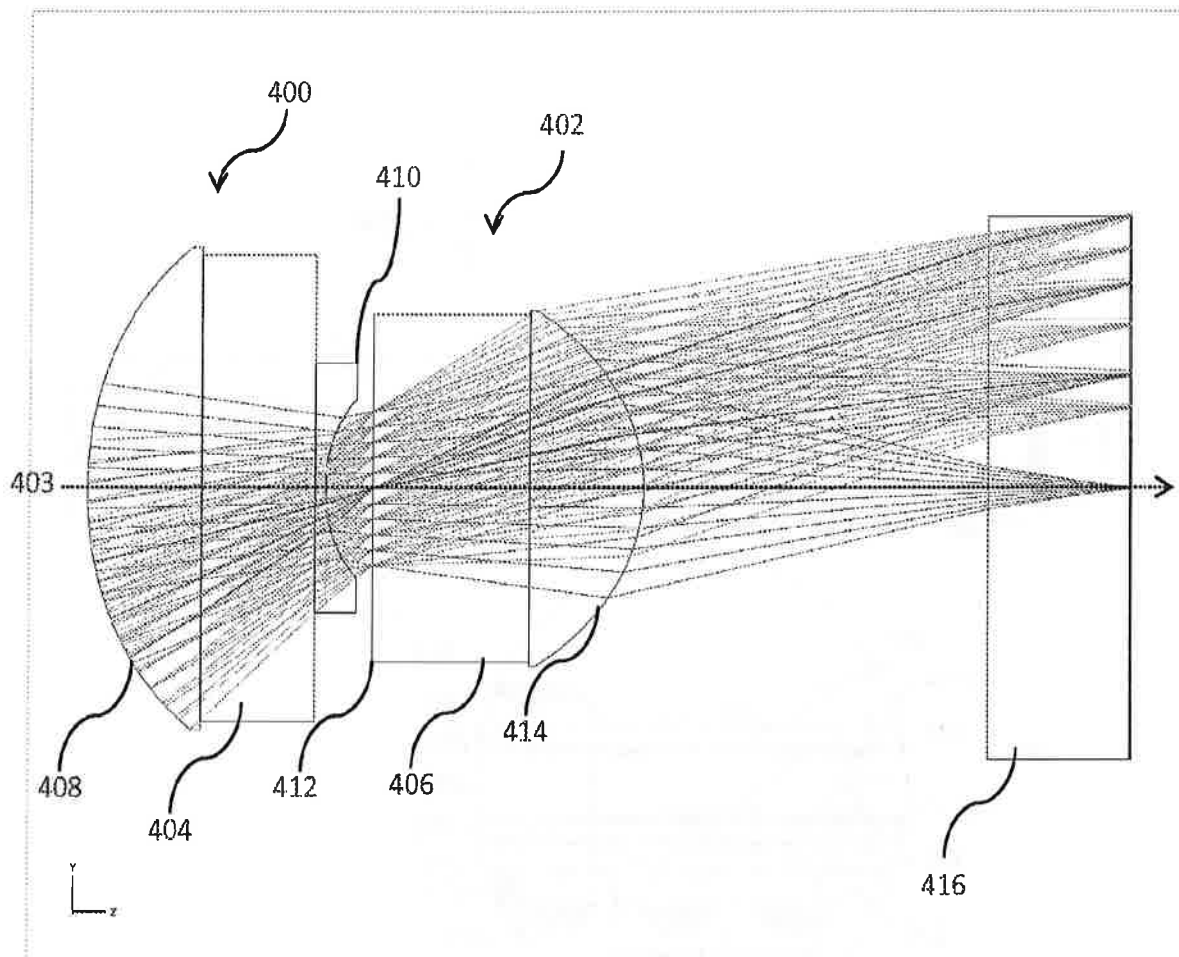


FIG. 4A



5/35
5/35

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

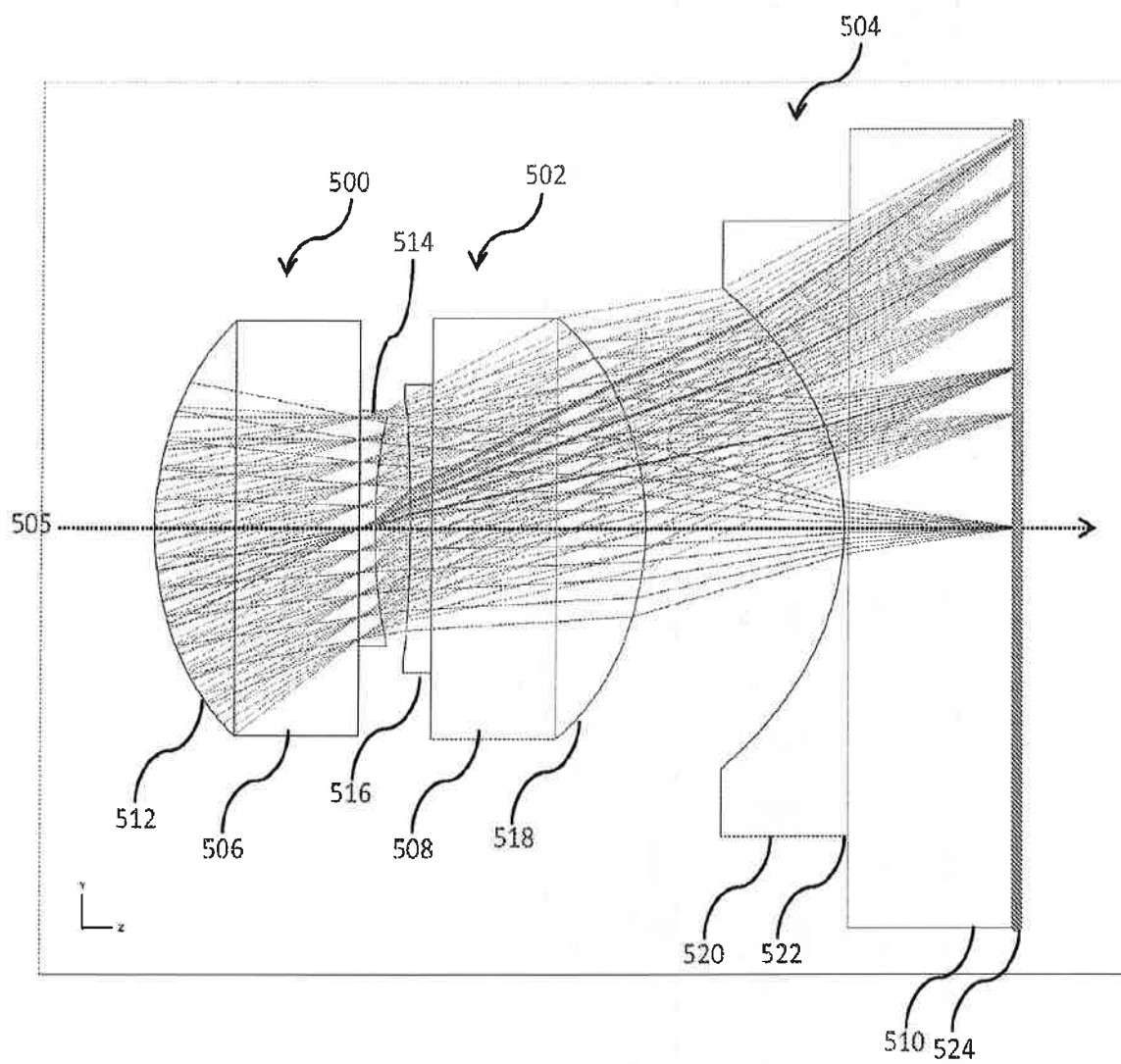


FIG. 5A2

Surf. type	Comment	Radius	Thickness	Glass	Semi-Diameter	Conic	Par 0 (unused)	2nd Order Term	4th Order Term	6th Order Term	8th Order Term	10th Order Term
Obj	Standard				213.425	0.000						
1	Standard	Infinity	400.00		1.327	0.000						
2	Even ASPH..	Infinity	1.000		0.650	0.400		0.000	0.000	-0.081	0.219	0.000
3	Standard	Infinity	0.424	1.52,53.7	0.650	0.000						
STO	Standard	Infinity	0.056	1.52,54.4	0.348	0.000						
5	Even ASPH..	2.068	0.120	1.61,28.5	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

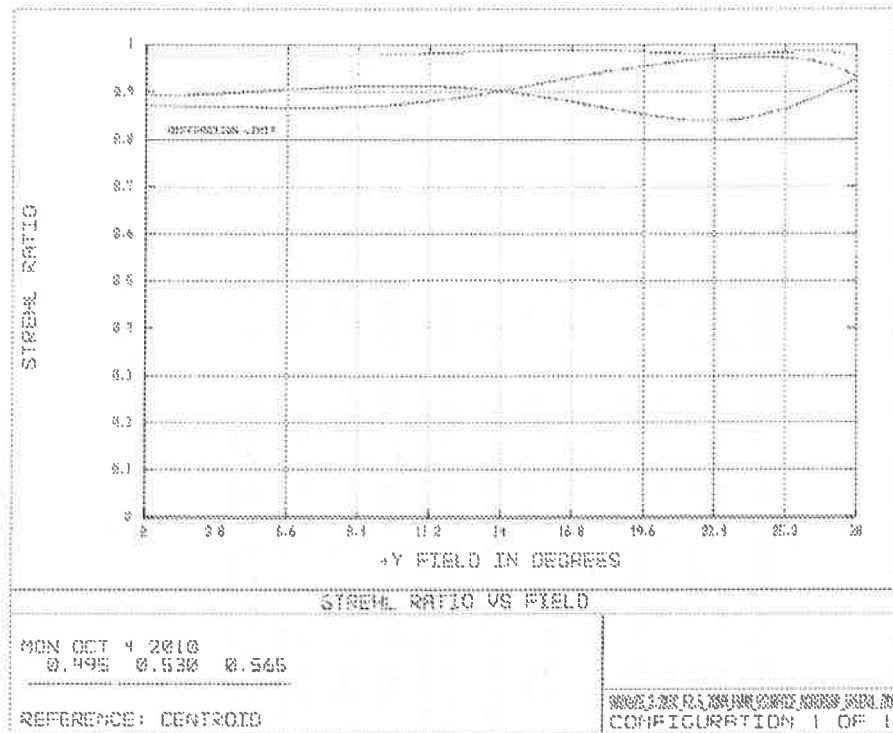


FIG. 5C

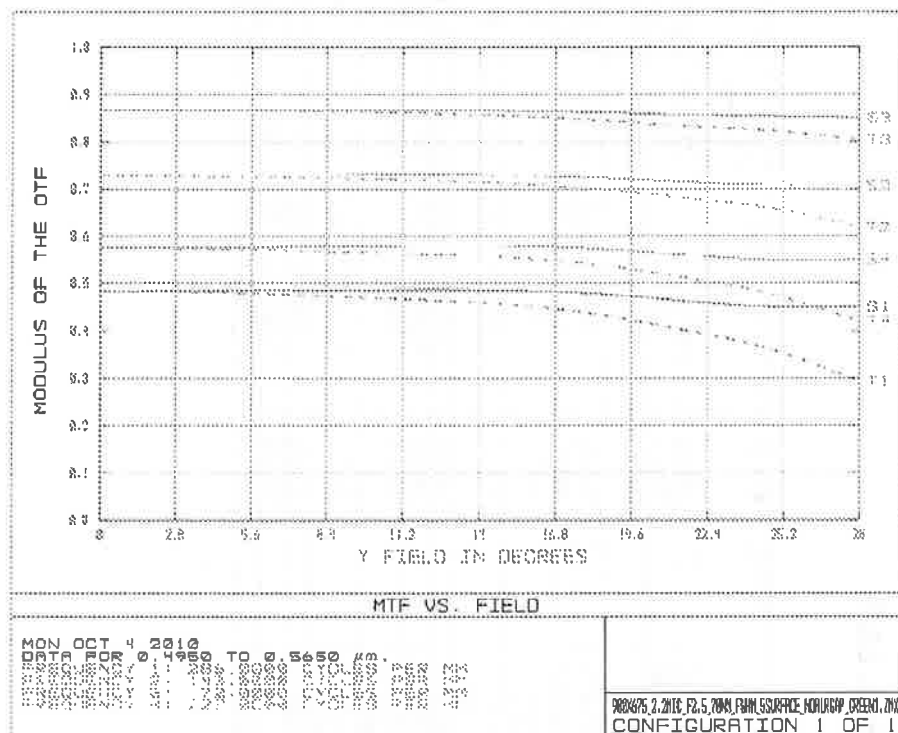


FIG. 5D

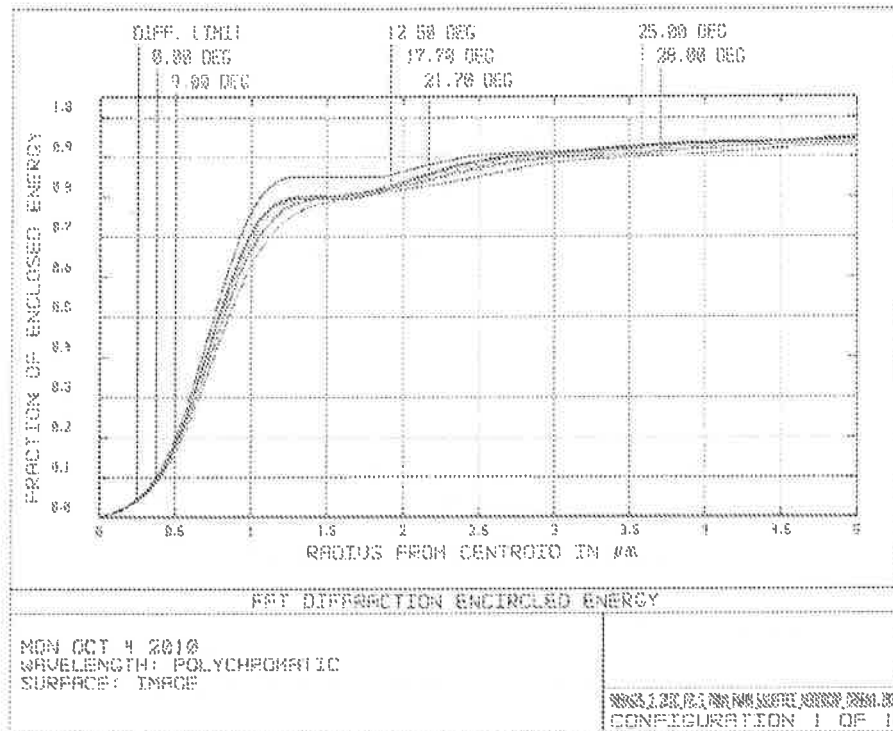


FIG. 5E

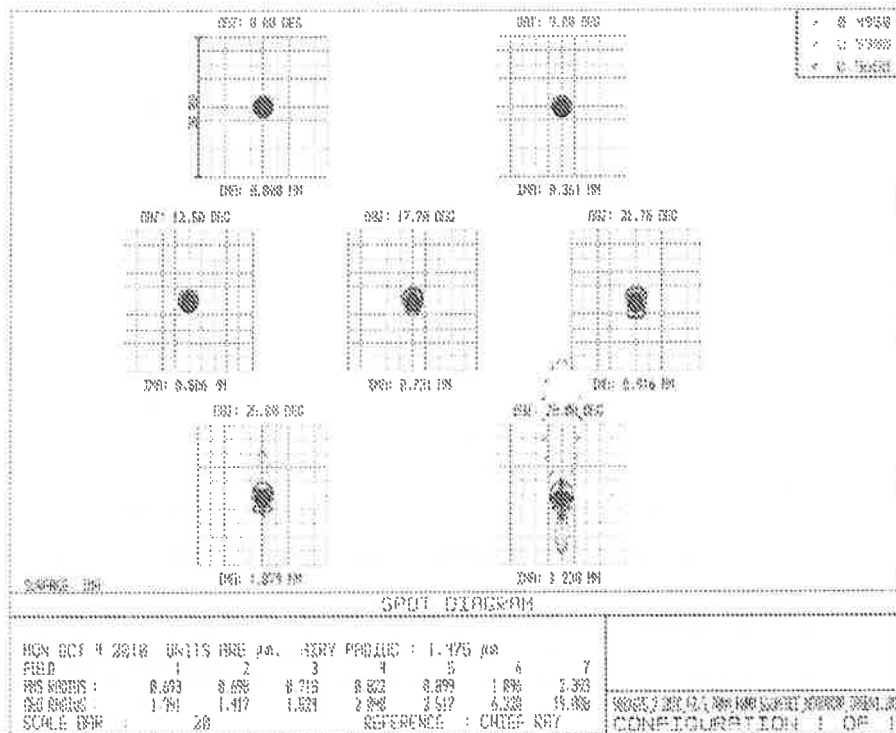


FIG. 5F

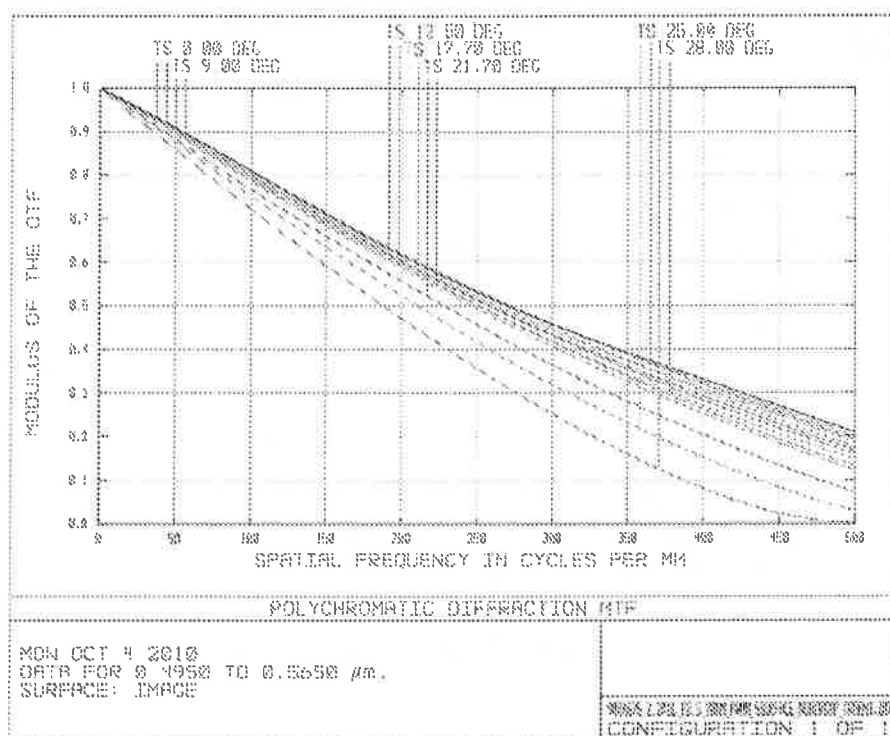


FIG. 5G

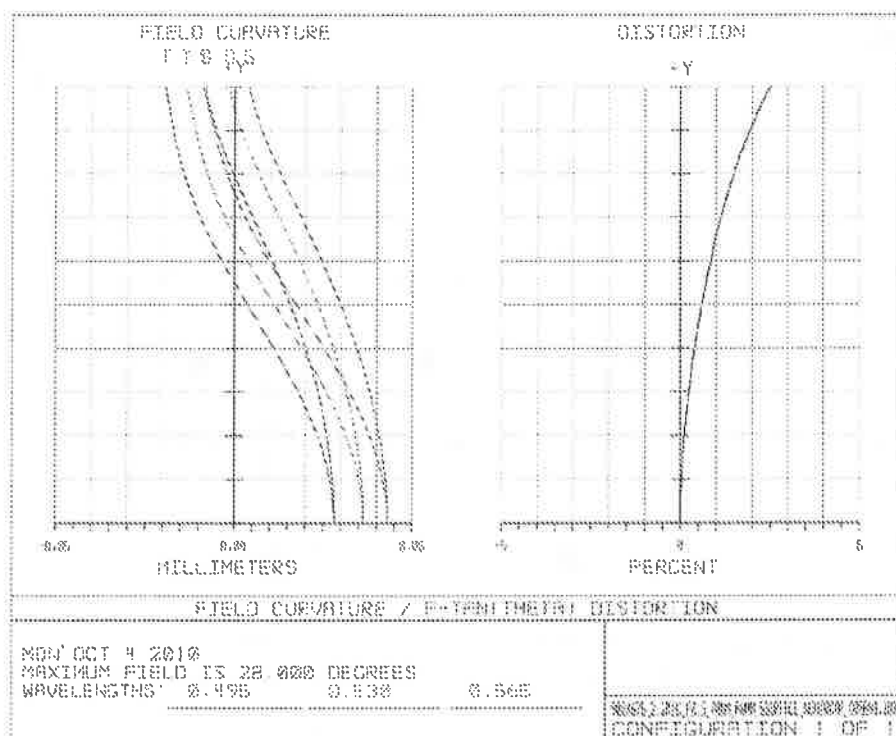


FIG. 5H

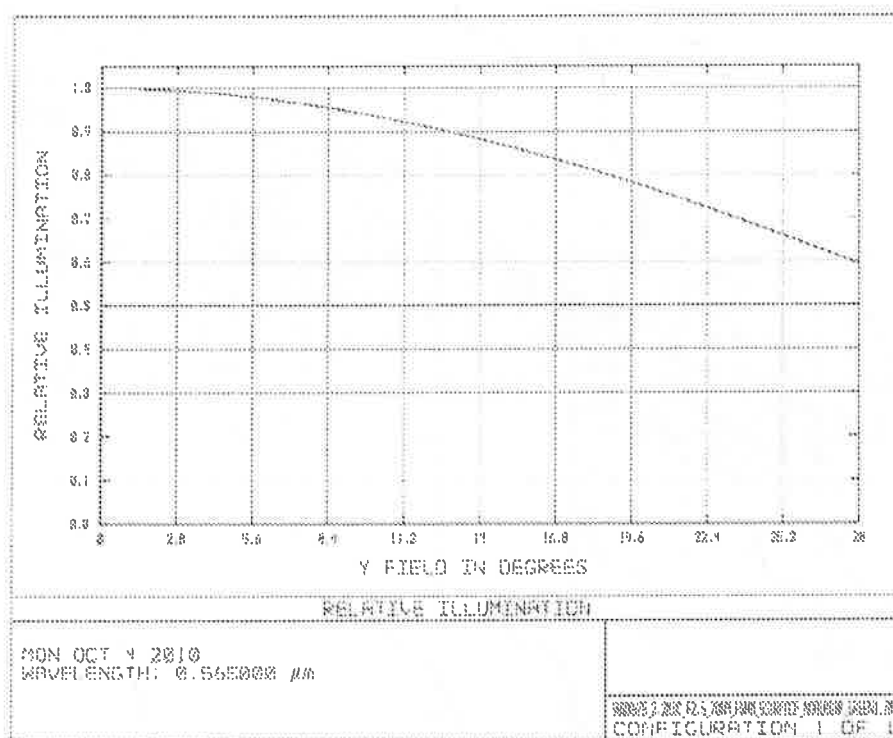


FIG. 5I1

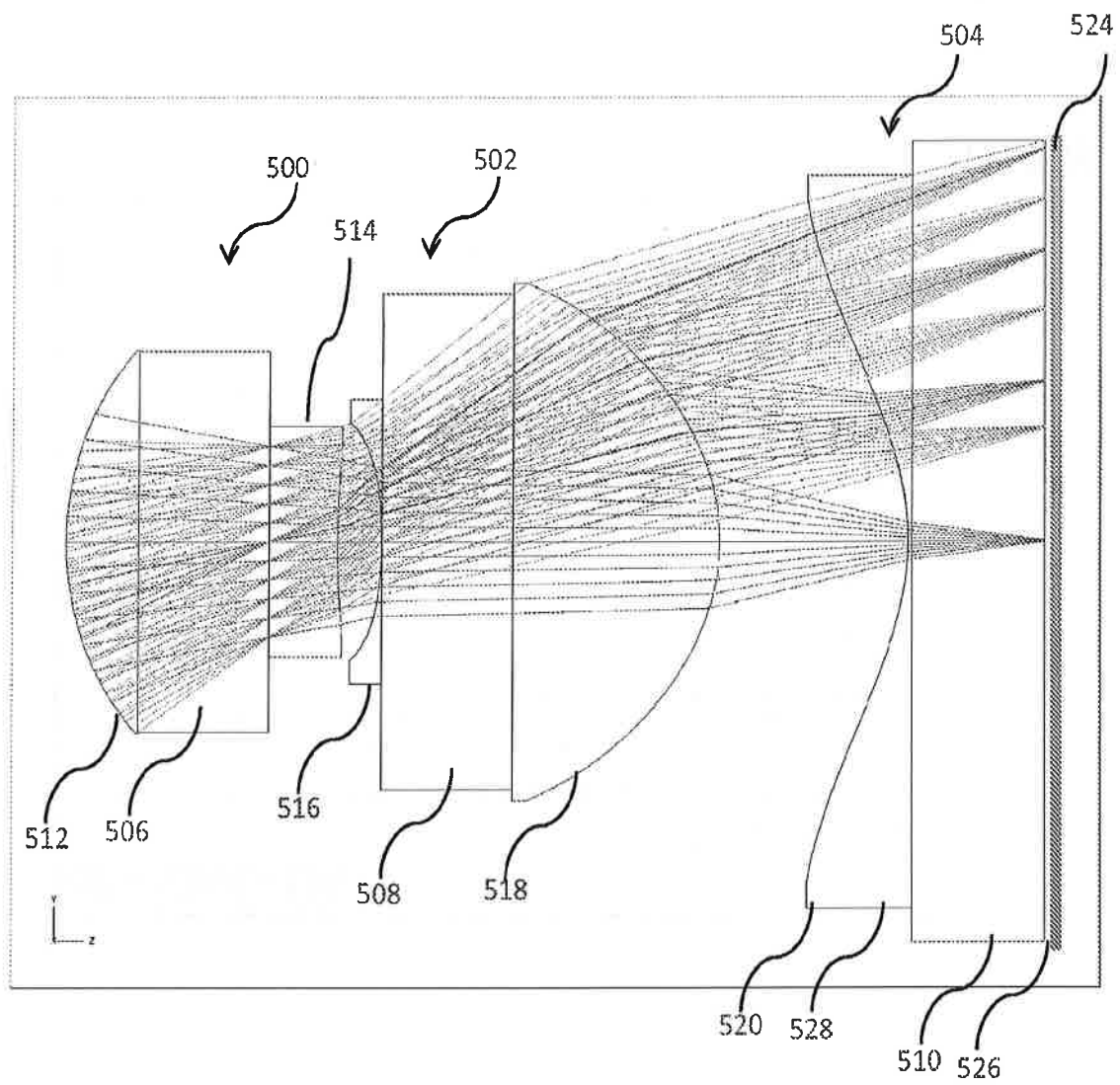


FIG. 512

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												
1*	Even ASPH..	Infinity	400.00		213.006	0.000							
		.0885	0.257	152,53.7	0.603	0.389		0.000	0.000	0.129	-0.349	0.000	0.000
2*	Standard	Infinity	0.434	152,54.4	0.603	0.000						0.000	
*	Standard	Infinity	0.178	161,28.5	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	161,28.5	0.446	7.917		0.000	0.000	-5.201	39.425	0.000	0.000
6*	Standard	Infinity	0.424	152,54.4	0.497	0.000				-		0.000	
7*	Standard	Infinity	0.639	152,53.7	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	152,53.7	1.068	-3.525		0.000	0.000	0.120	-0.045	0.000	0.000
10*	Standard	Infinity	0.566	147,66.7	1.152	0.000							
11*	Standard	Infinity	0.014		1.293	0.000							
IMA	Standard	Infinity	-		1.299	0.000							

FIG. 5J1

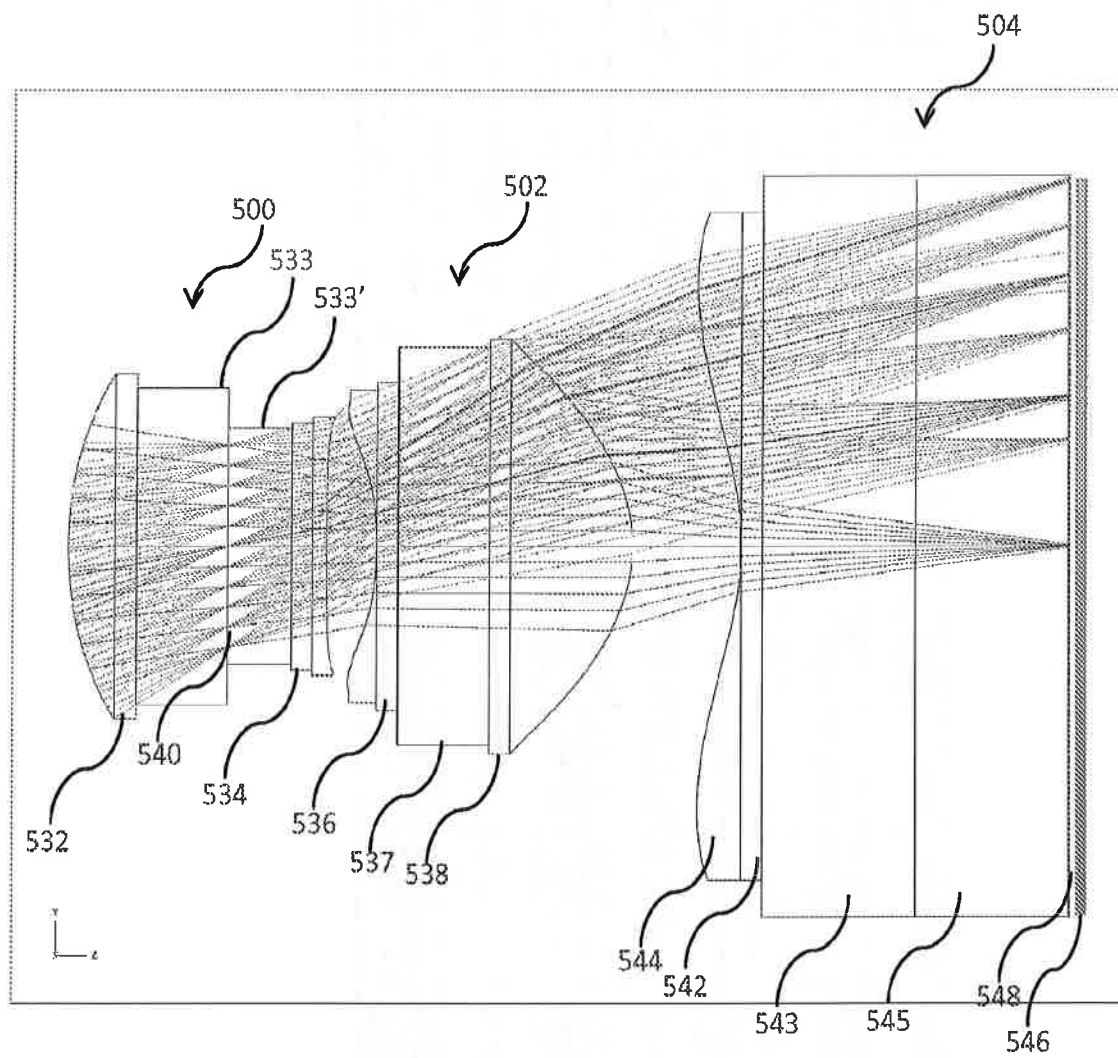


FIG 5J2

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	V	NA02	0.528	1.330
3	Standard		Infinity	0.070	NA02	P 0.516	0.000
4	Standard		Infinity	0.300	D263	0.476	0.000
STQ	Standard		Infinity	0.230	D263	0.301	0.000
6	Standard		Infinity	0.070	MP10	0.353	0.000
7	Standard		Infinity	0.035	MP10	P 0.379	0.000
8	Even ASPH.		9.515	V		0.384	-1078.719
9	Even ASPH.		-0.360	V	MP10	0.434	2.047
10	Standard		Infinity	0.070	MP10	P 0.464	0.000
11	Standard		Infinity	0.350	D263	0.487	0.000
12	Standard		Infinity	0.070	NA02	0.594	0.000
13	Standard		Infinity	0.400	NA02	P 0.619	0.000
14	Even ASPH.		-0.454	V		0.619	-0.770
15*	Even ASPH.		-0.812	V	BA15	1.000	-5.510
16	Standard		Infinity	0.070	BA15	P 1.000	0.000
17*	Standard		Infinity	1.000	B33	1.000	0.000
18	Standard		Infinity	6.000E-003		1.123	0.000
IMA	Standard		Infinity	-		1.176	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	V 0.987	V -0.787	V -22.313	V 46.401	V 0.000
3								
4								
STQ								
6								
7								
8		0.000	-0.281	V 4.691	V -51.935	V 1162.586	V -4403.236	V 0.000
9		0.000	-0.942	V -4.174	V 103.985	V 109.752	V -326.497	V 0.000
10								
11								
12								
13								
14		0.000	0.490	V -0.426	V 0.608	V -0.945	V 8.992	V 0.000
15*		0.000	0.200	V 0.190	V -0.227	V -0.080	V 0.155	V 0.000
16								
17*								
18								
IMA								

FIG. 6A

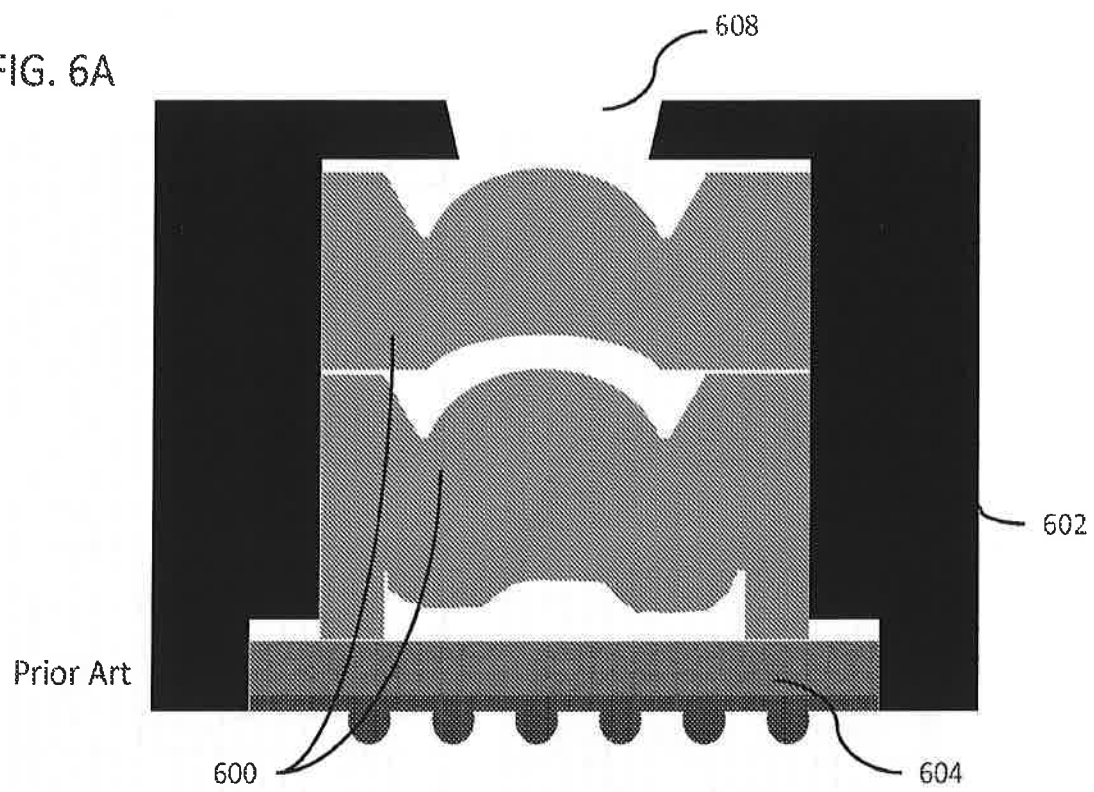


FIG. 6B

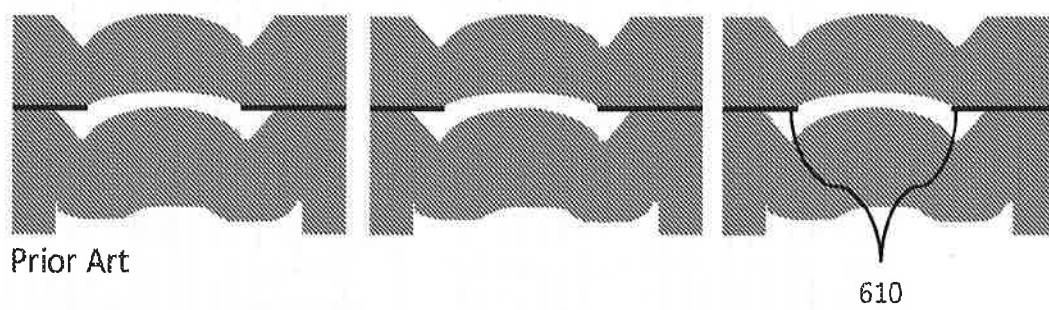
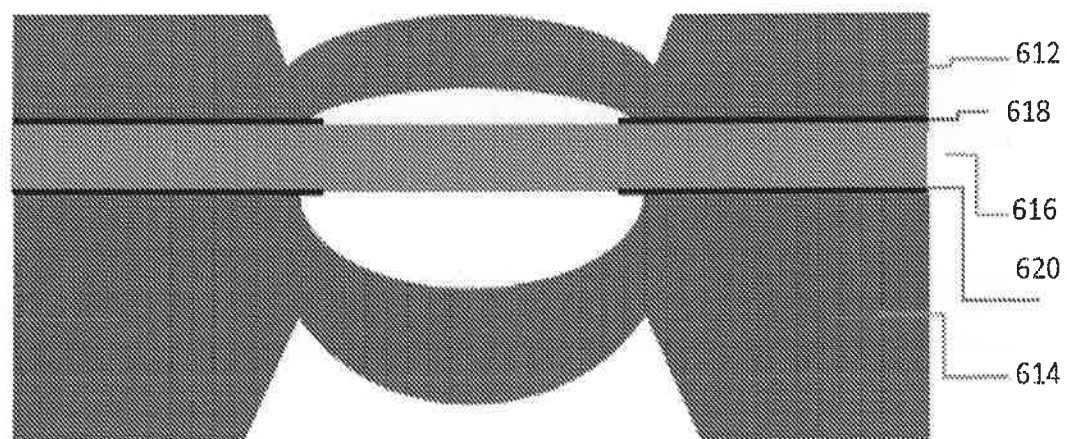


FIG. 6C



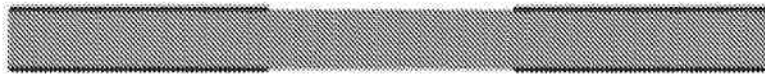


FIG. 6D1

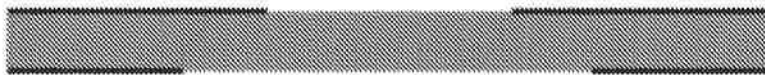


FIG. 6D2

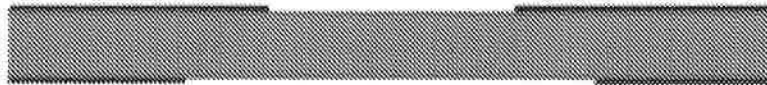


FIG. 6D3

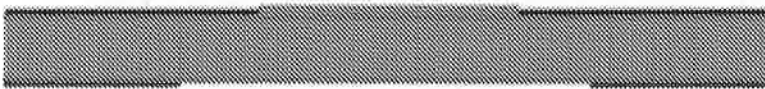


FIG. 6D4

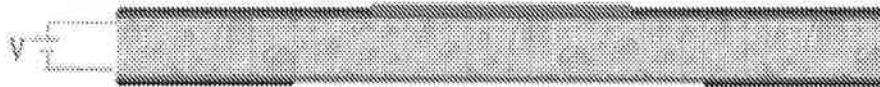


FIG. 6D5



FIG. 6D6

FIG. 7A

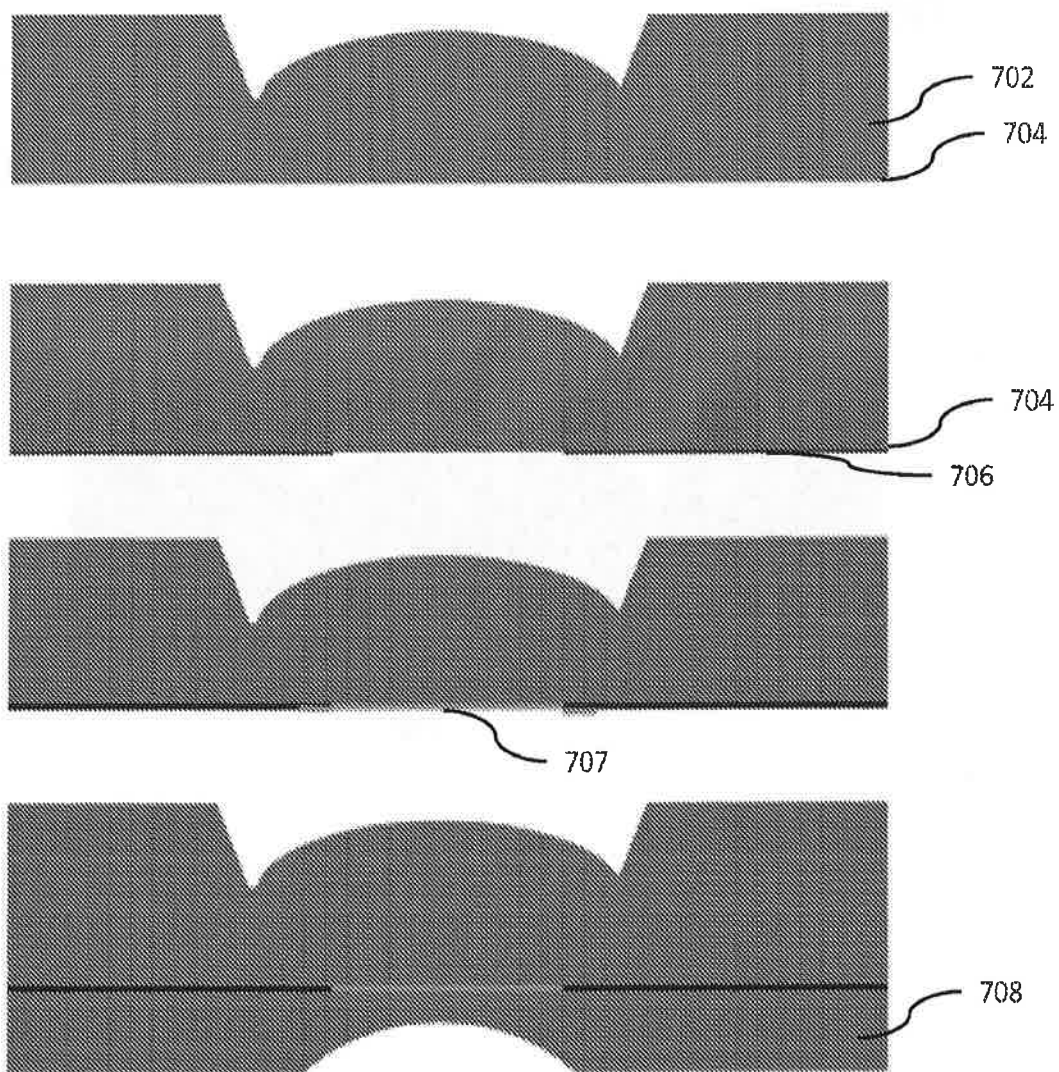


FIG. 7B

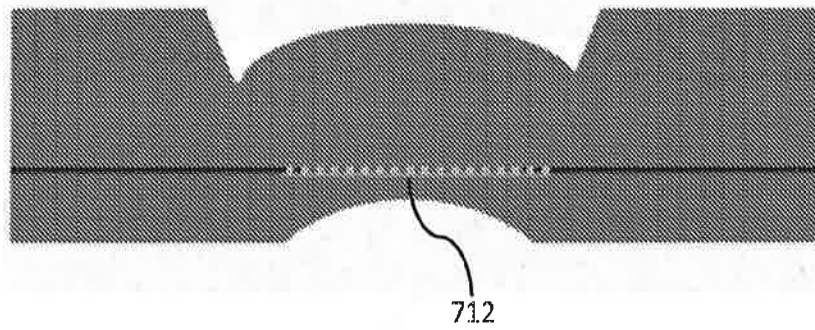


FIG. 7C

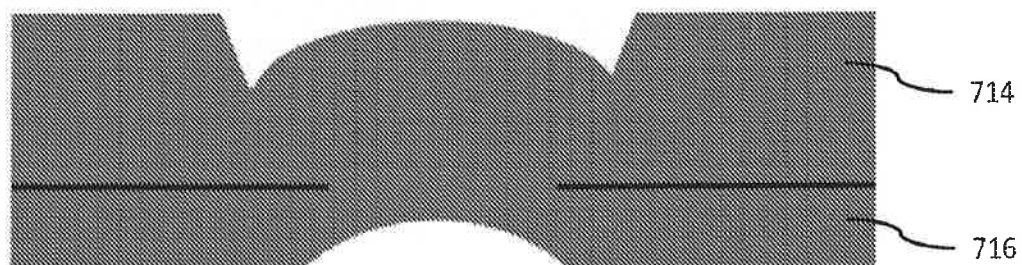


FIG. 7D

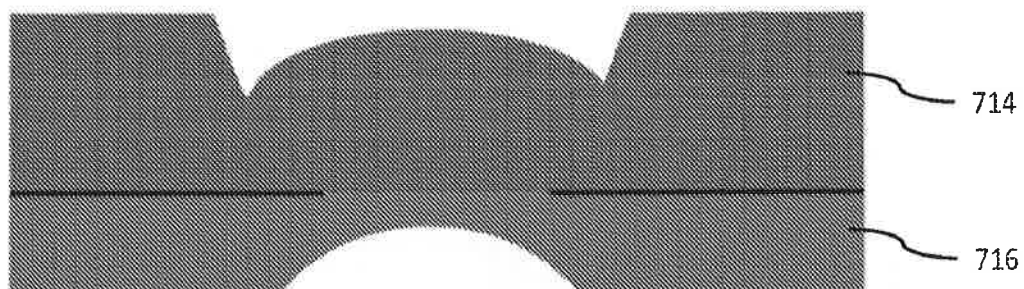


FIG. 7E

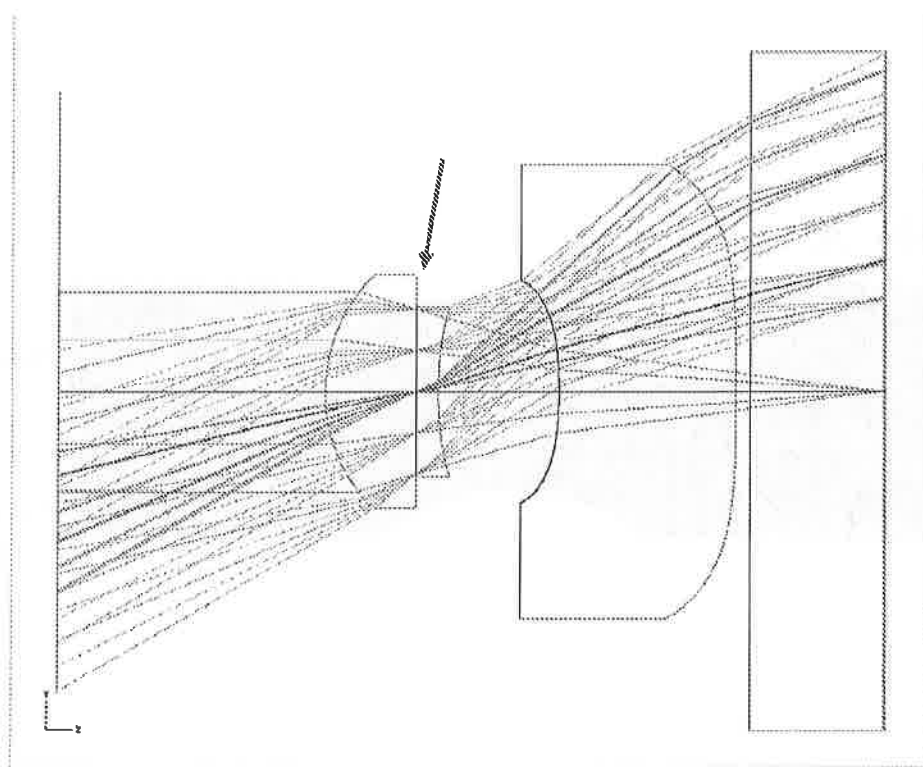


FIG. 7F

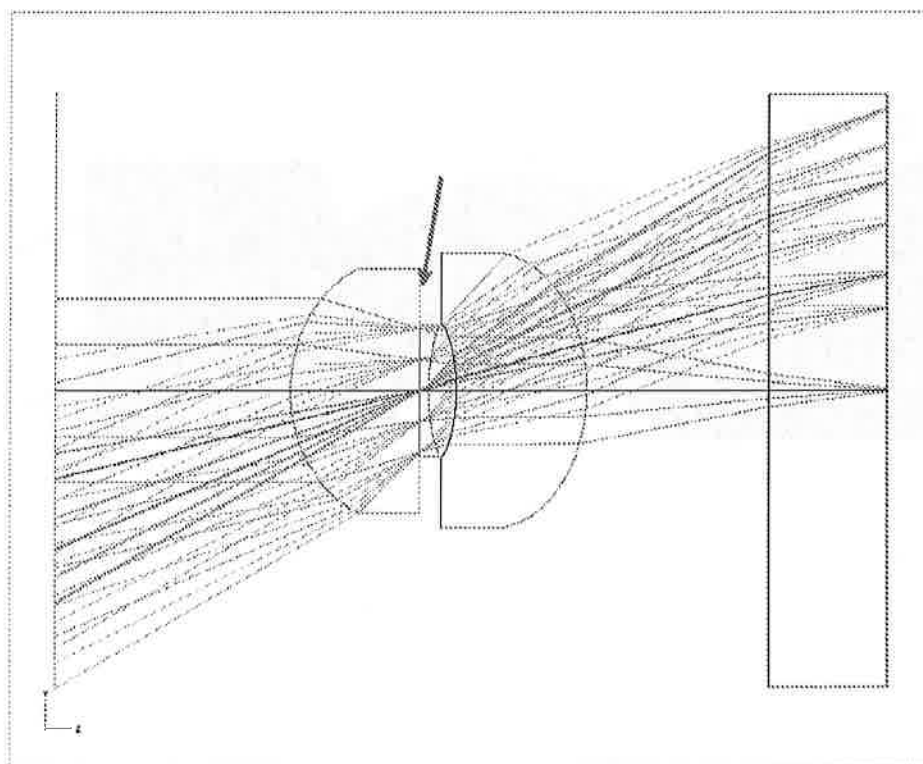


FIG. 7G

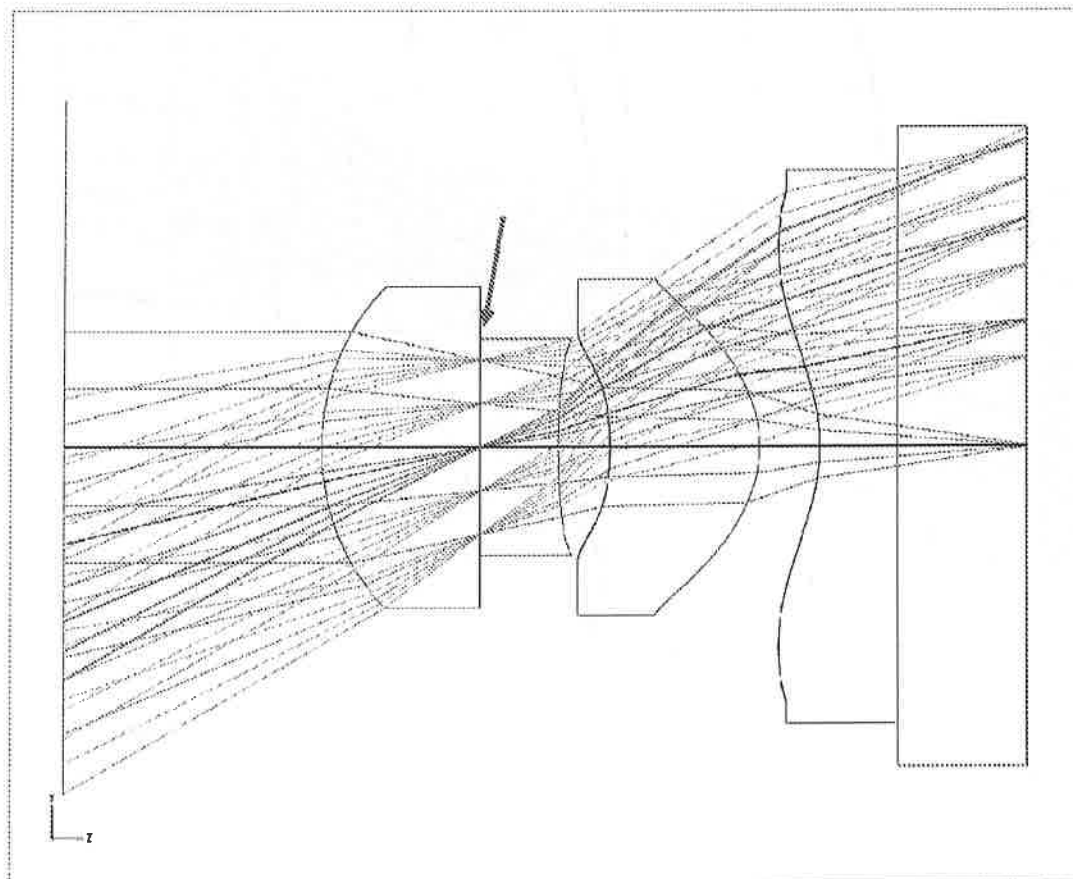


FIG. 8A

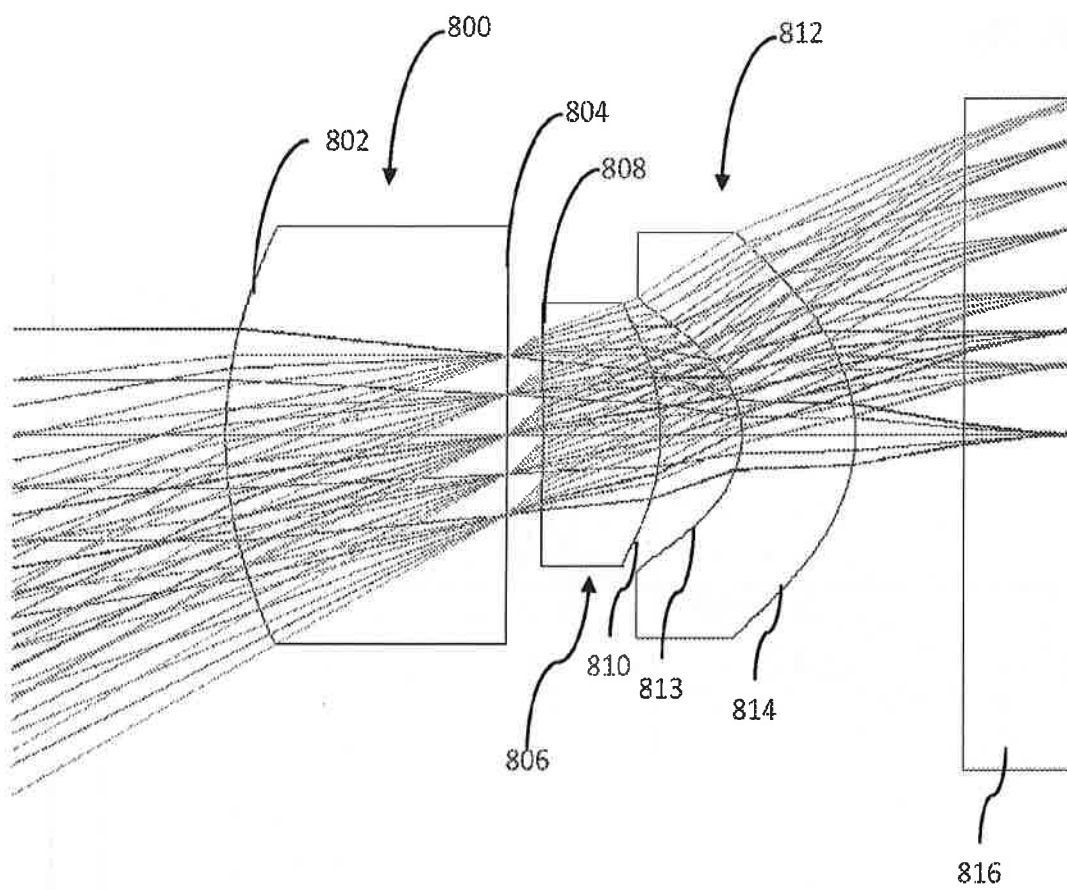


FIG. 8B

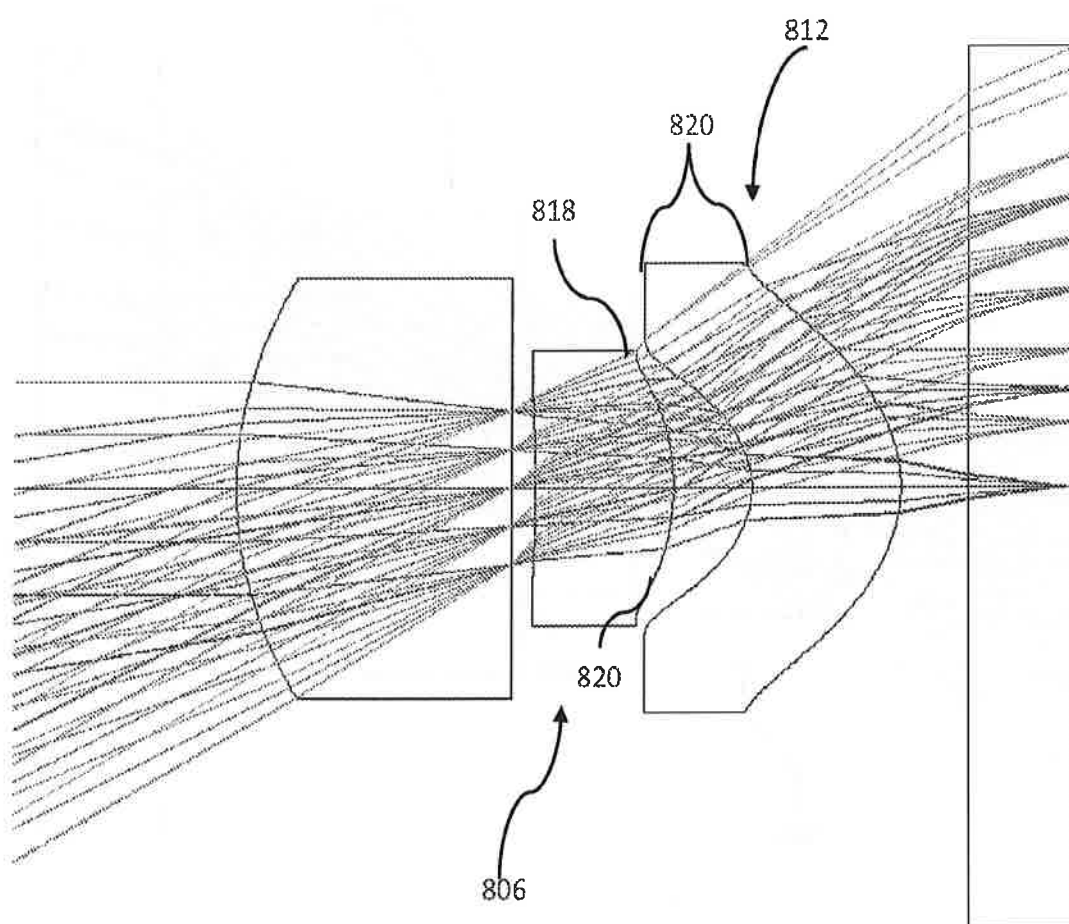


FIG. 8C

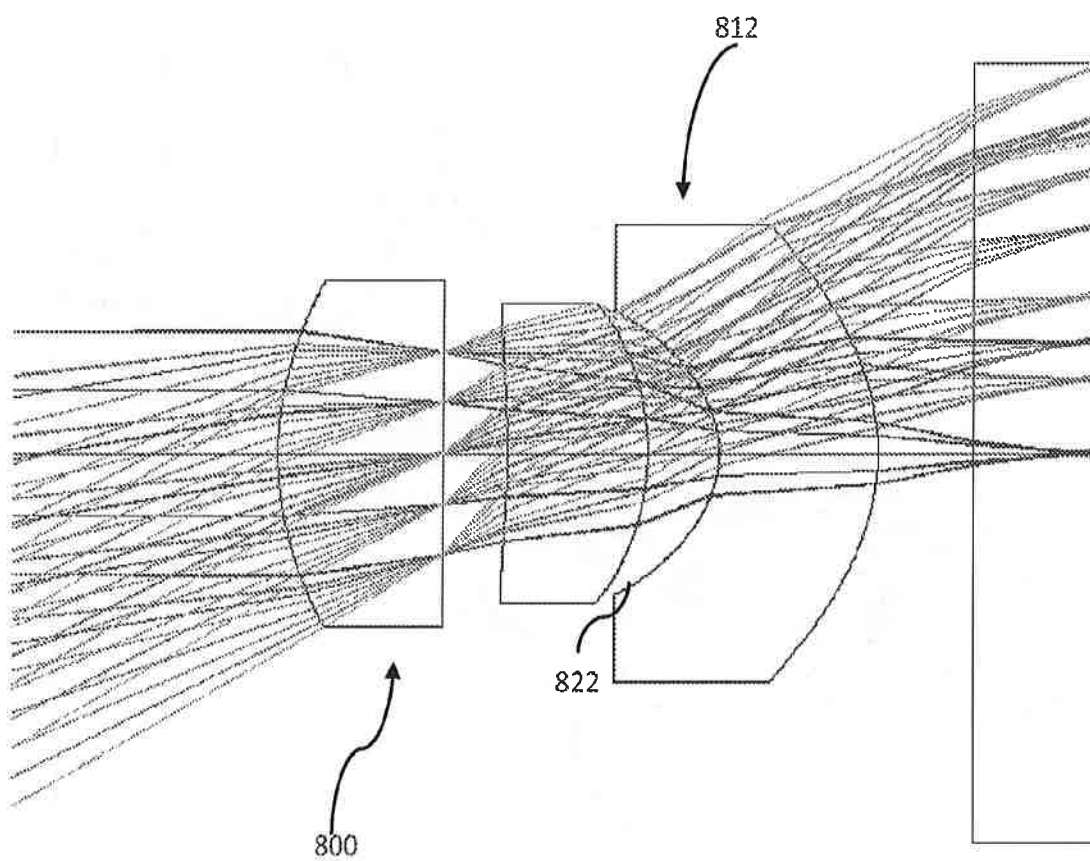


FIG. 8D

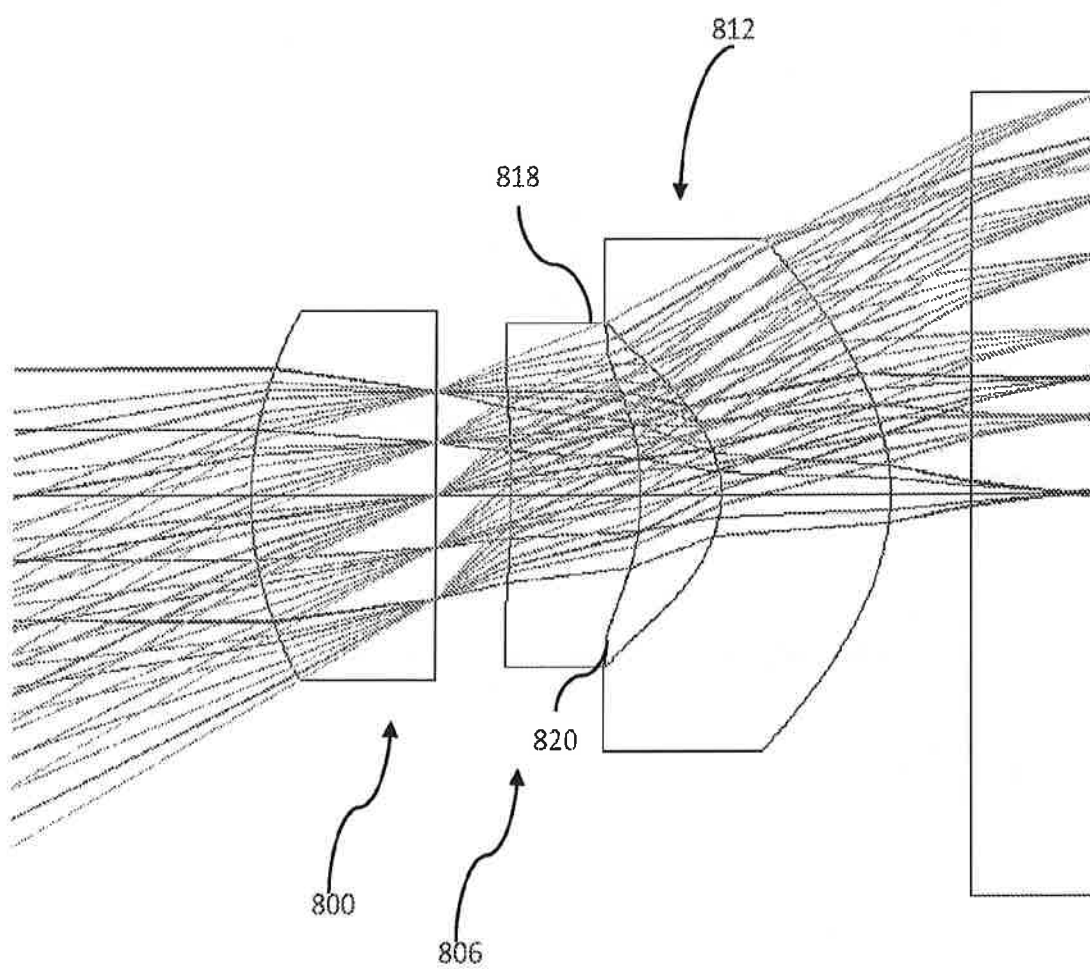


FIG. 8E

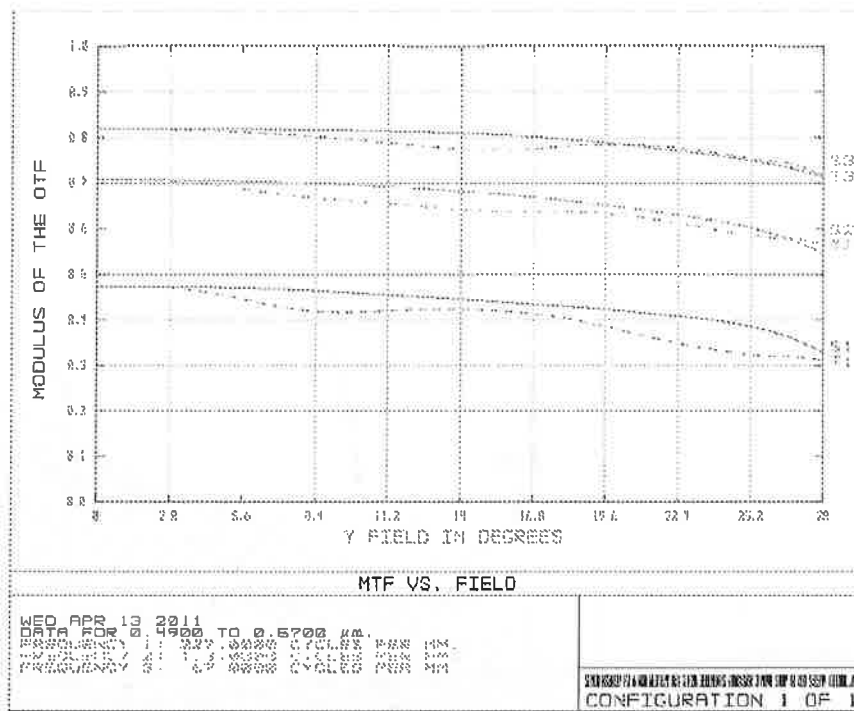


FIG. 8F



FIG. 8G

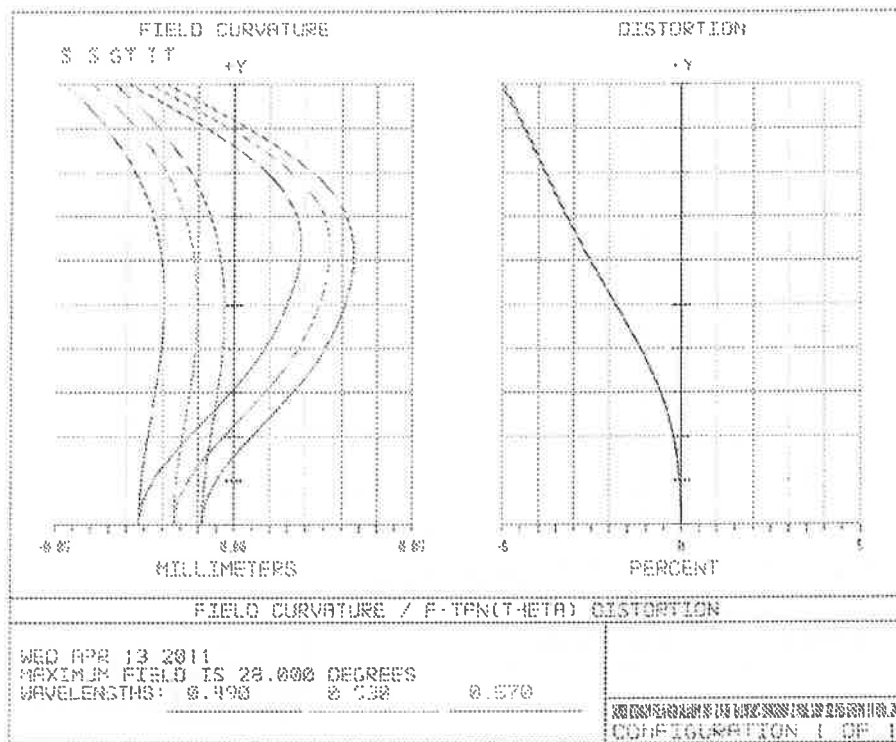


FIG. 8H

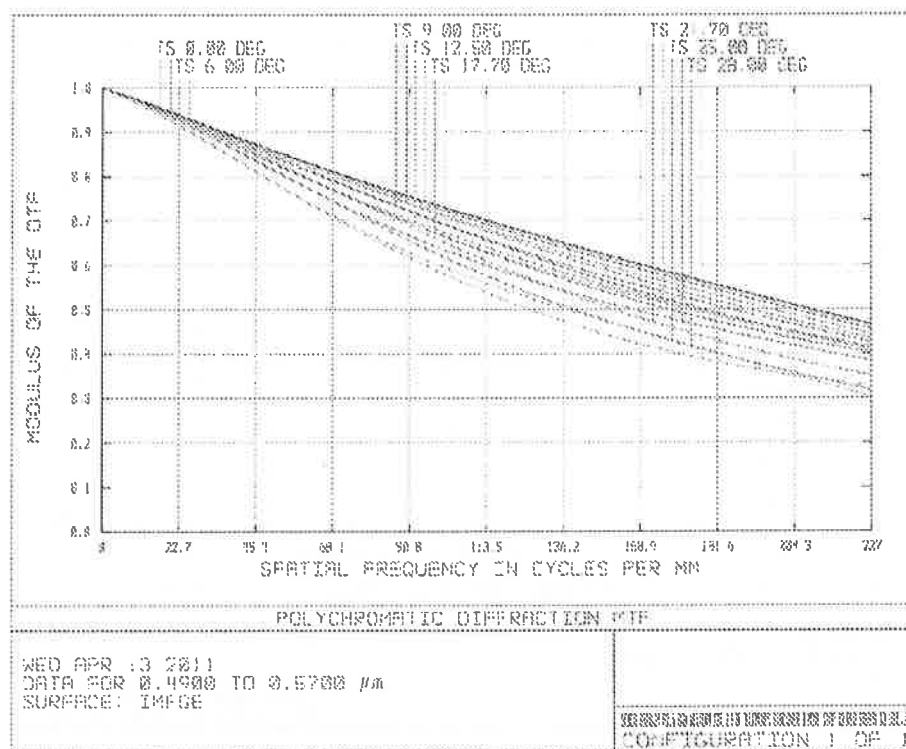


FIG. 8I

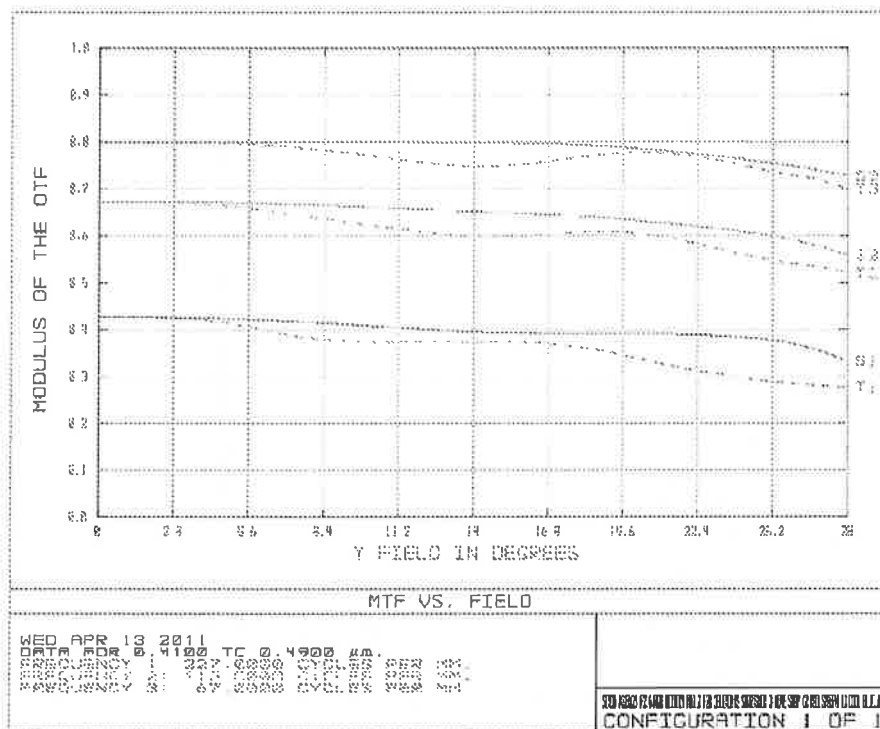


FIG. 8J

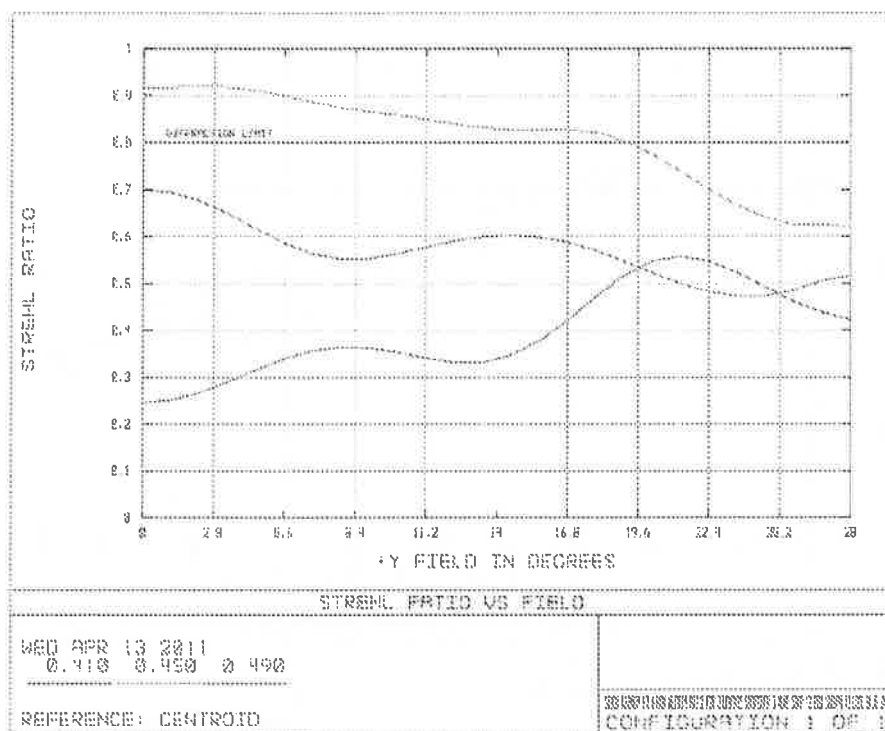


FIG. 9A

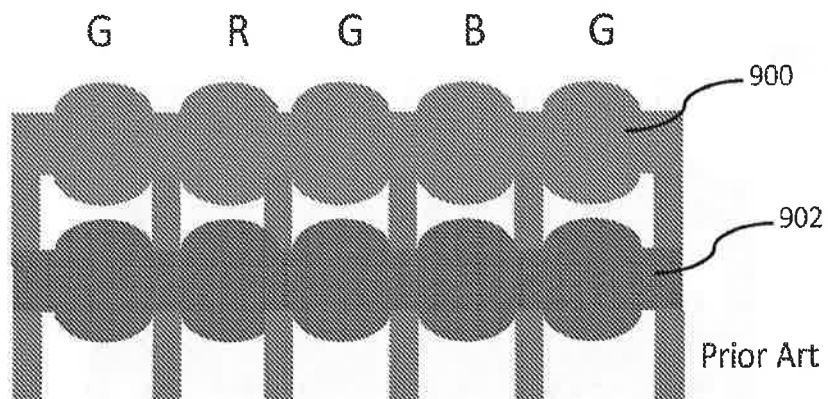


FIG. 9B

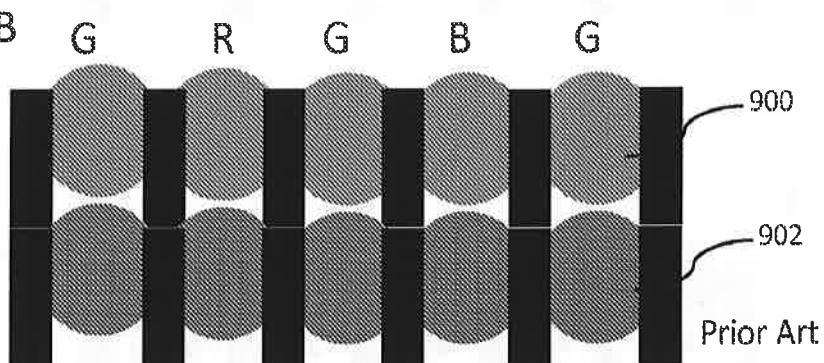


FIG. 9C

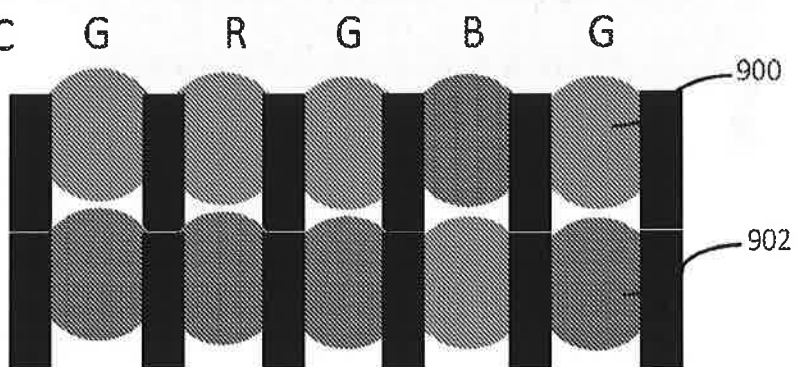


FIG. 9D

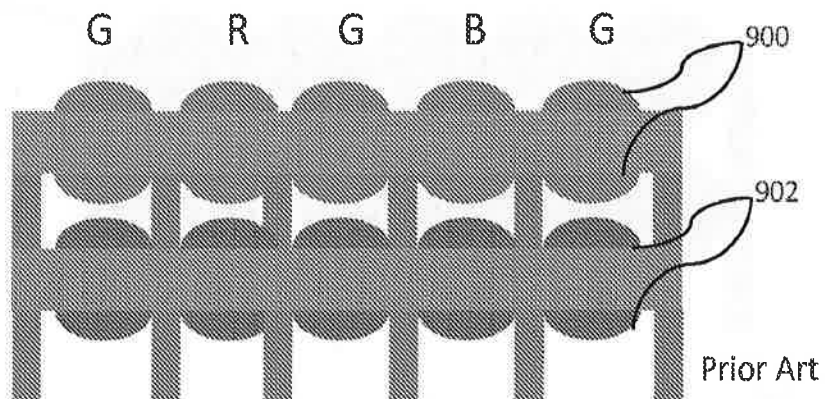
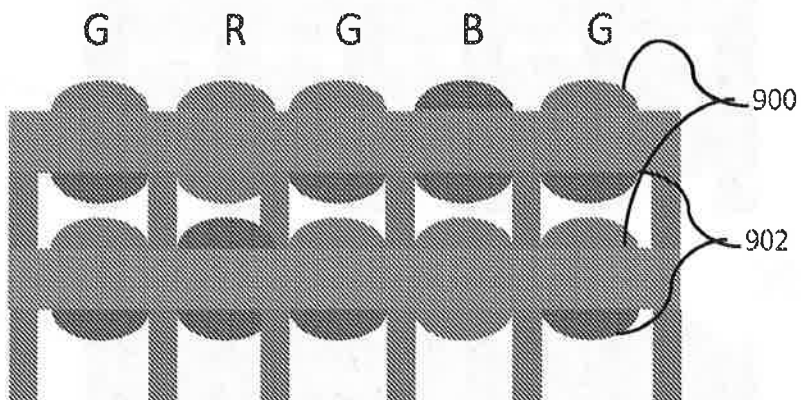


FIG. 9E



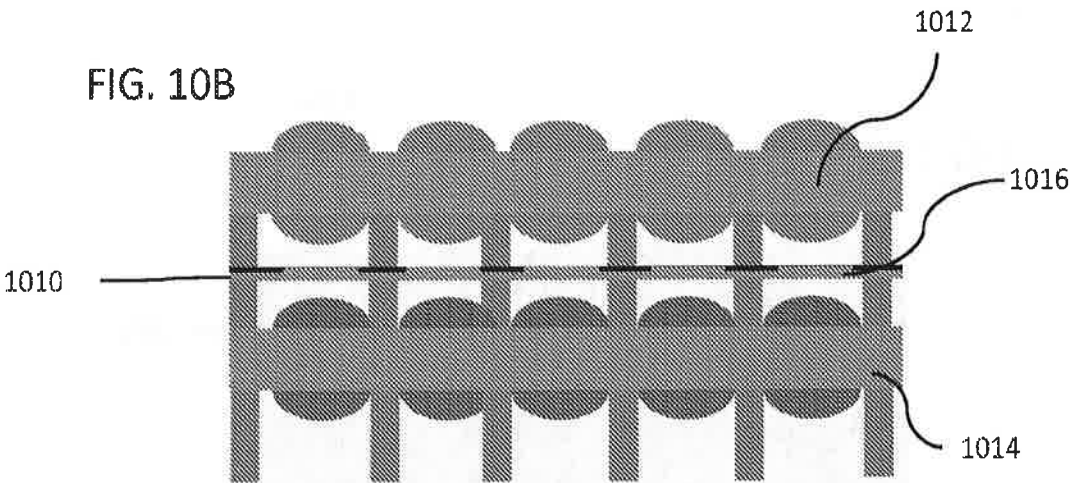
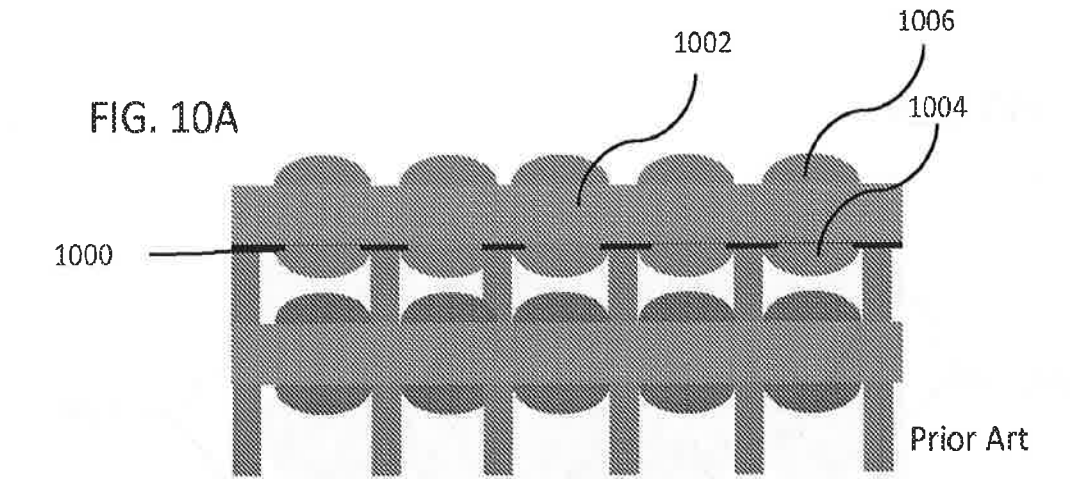


FIG. 11A

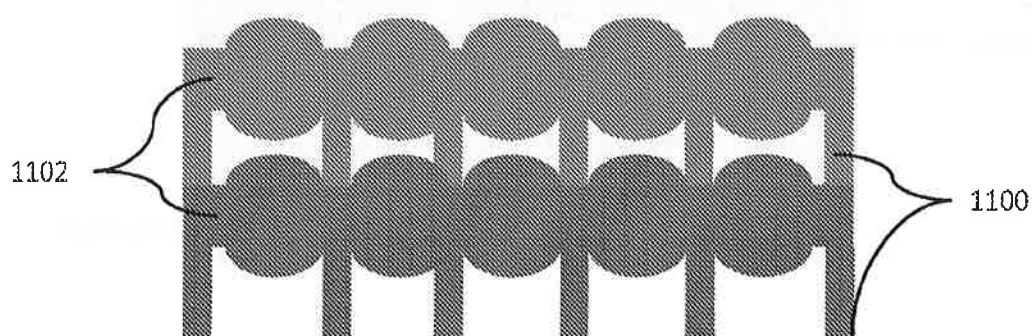


FIG. 11B

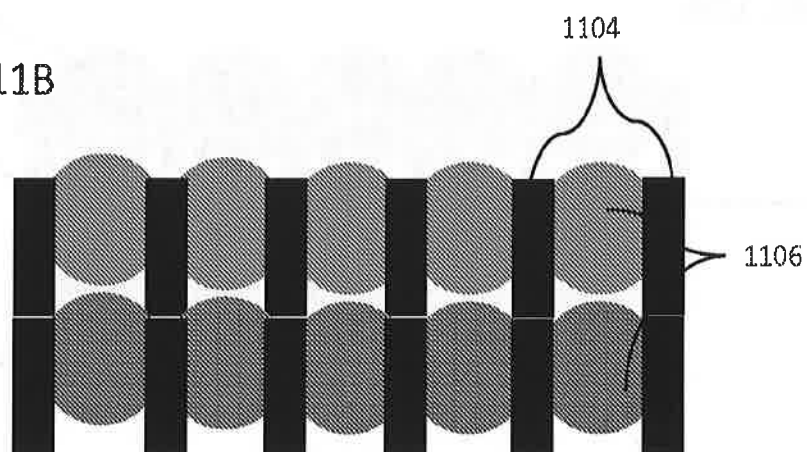


FIG. 12

