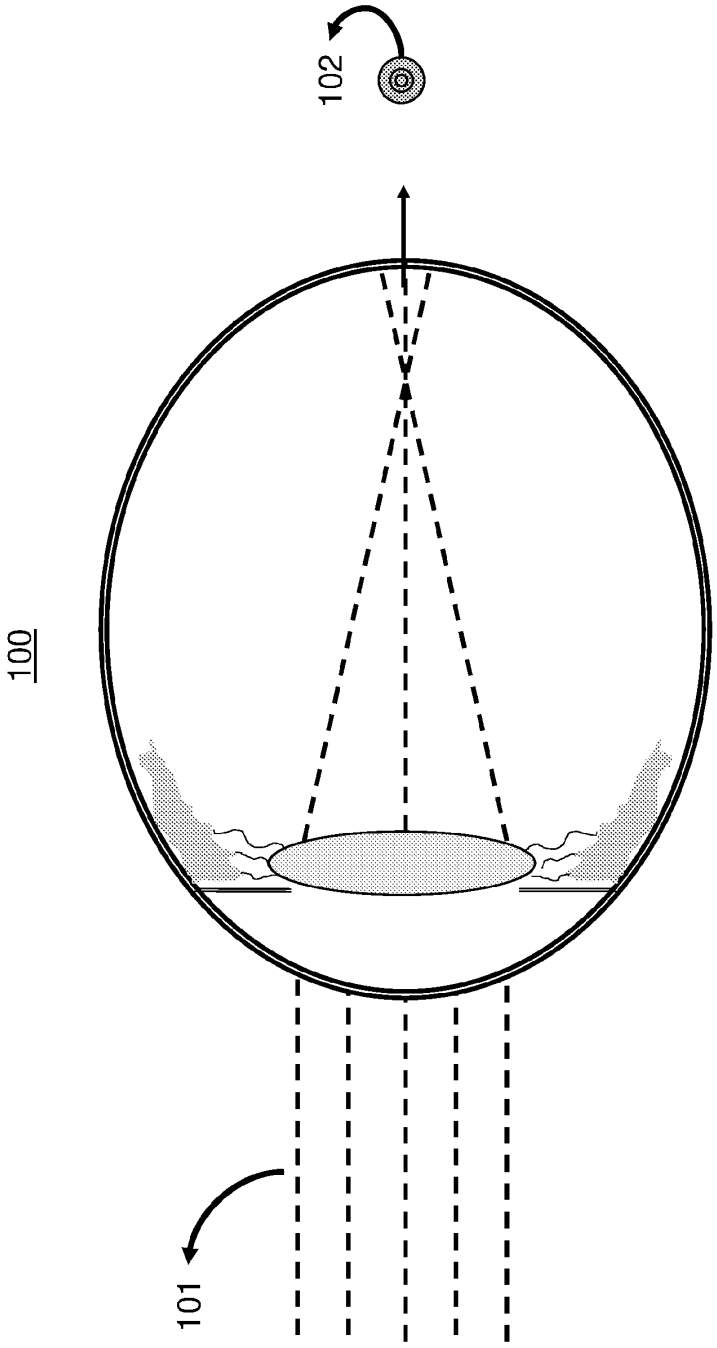


Figure 1

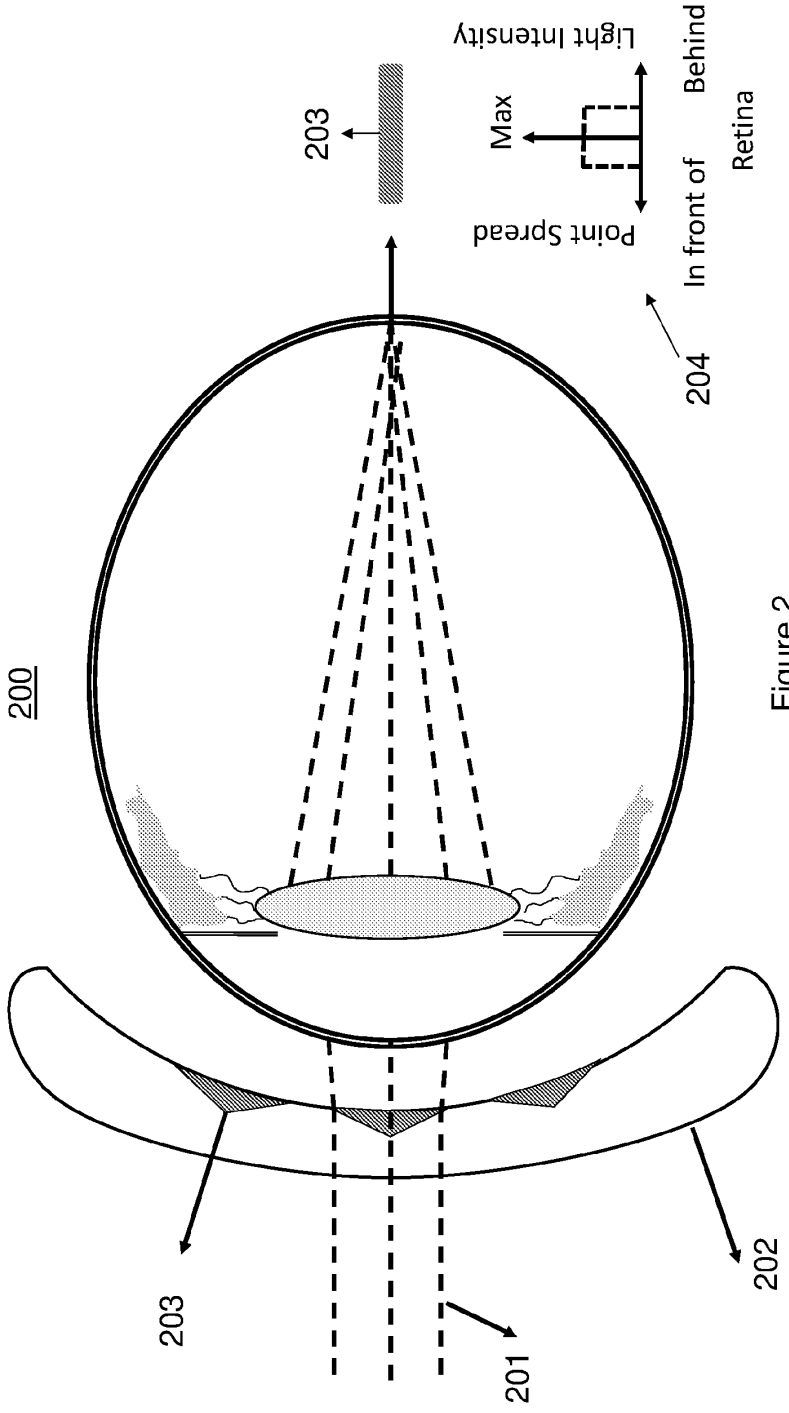

200
203
201
202
203
Point Spread
Max
Light Intensity
In front of
Retina
Behind
204

Figure 2

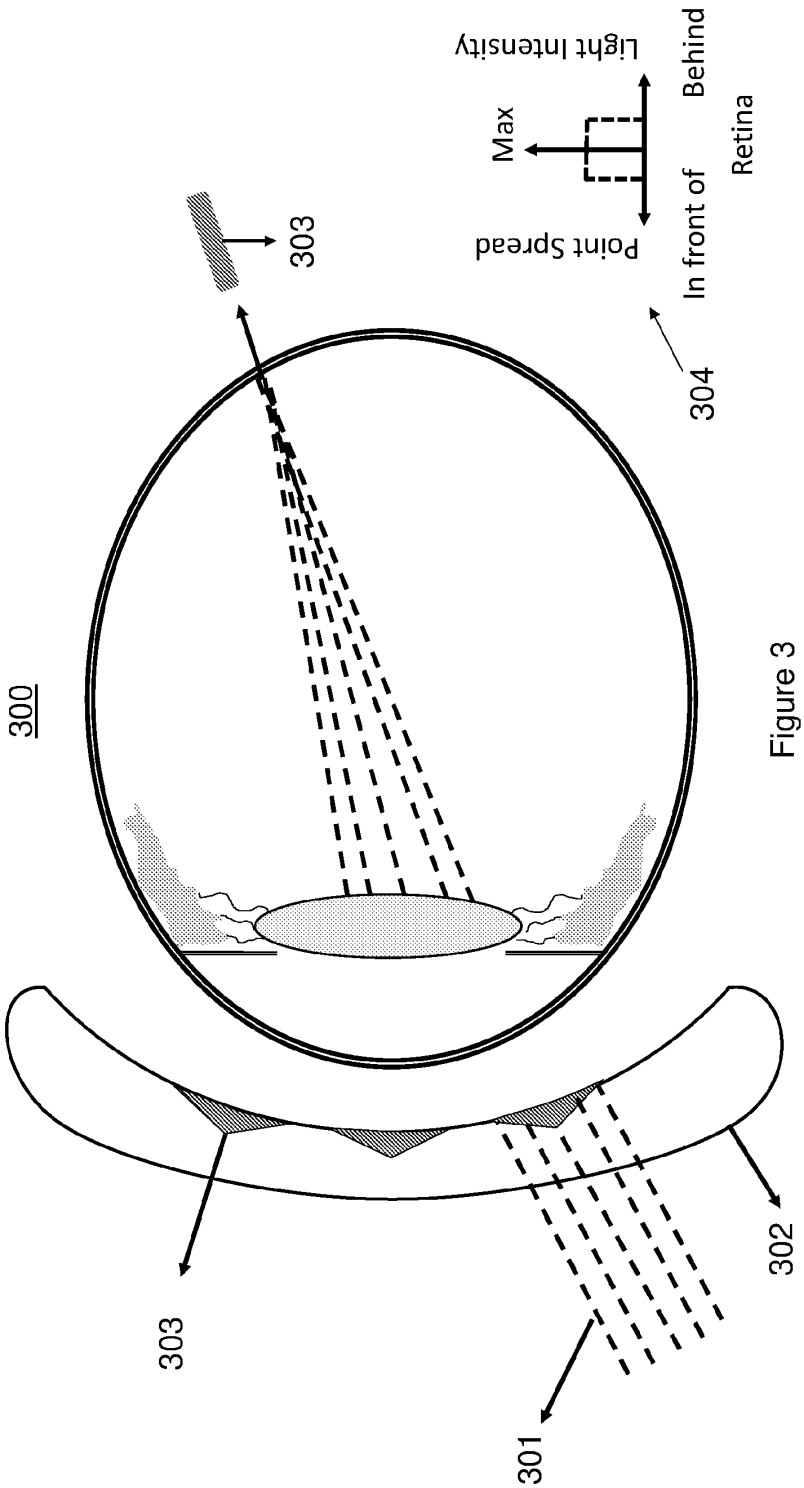

300
303
303
301
302
304
In front of
Retina
Behind
Point Spread
Max
Light Intensity

Figure 3

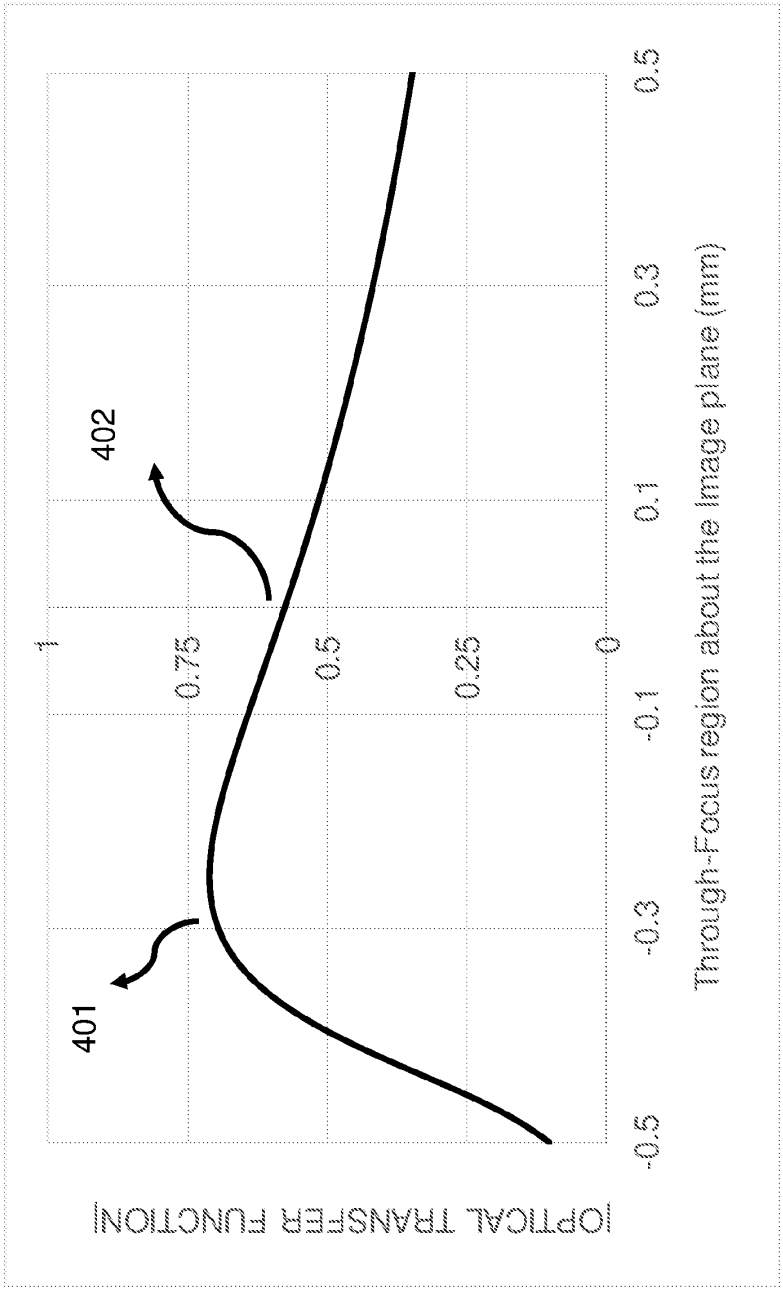

OPTICAL TRANSFER FUNCTION
1
0.75
0.5
0.25
0
-0.5
-0.3
-0.1
0.1
0.3
0.5
Through-Focus region about the Image plane (mm)
401
402

Figure 4

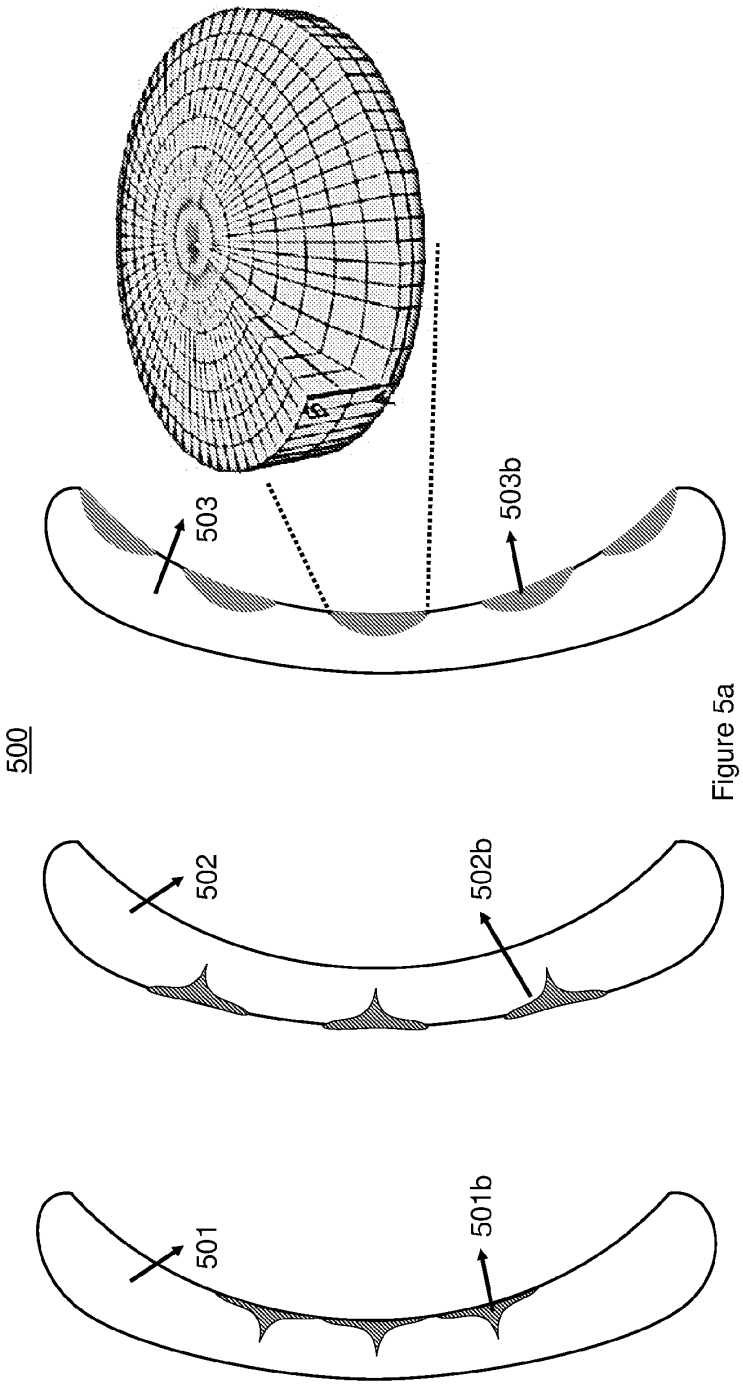


Figure 5a

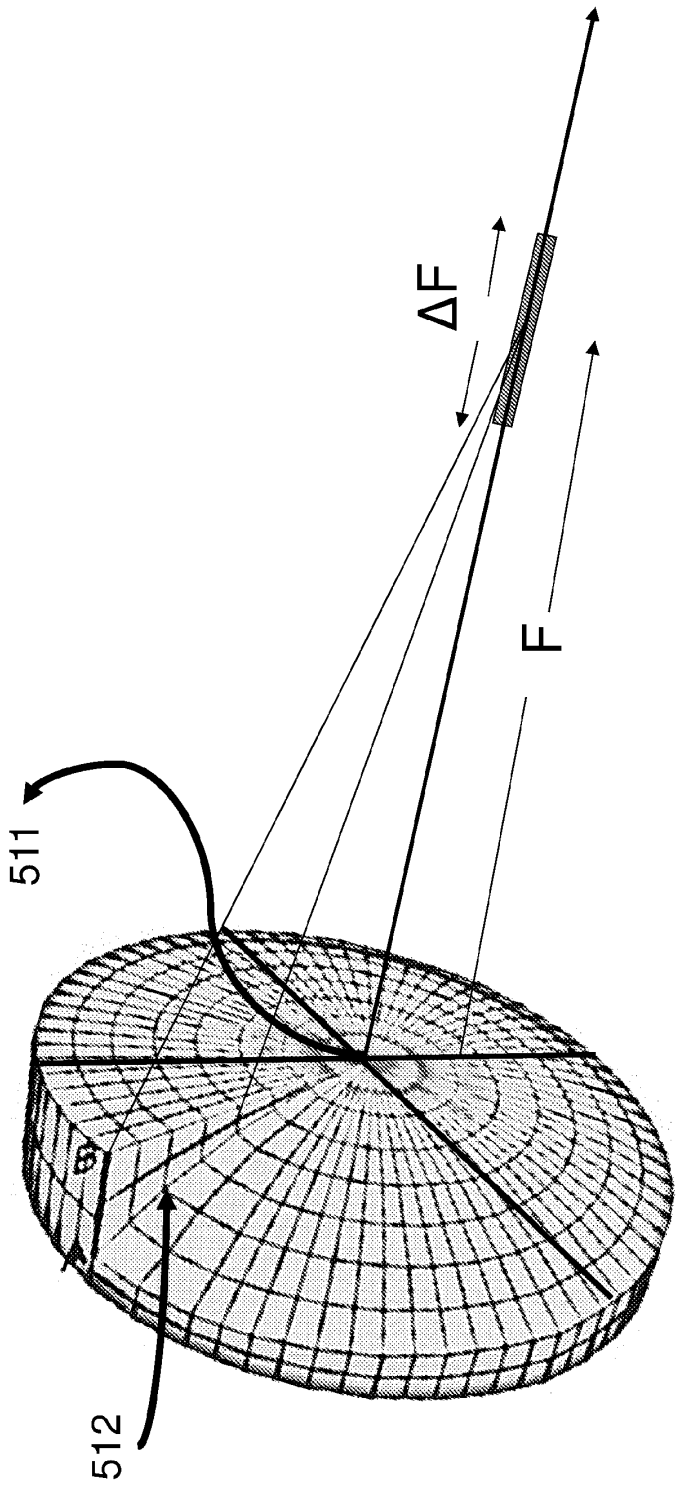


Figure 5b

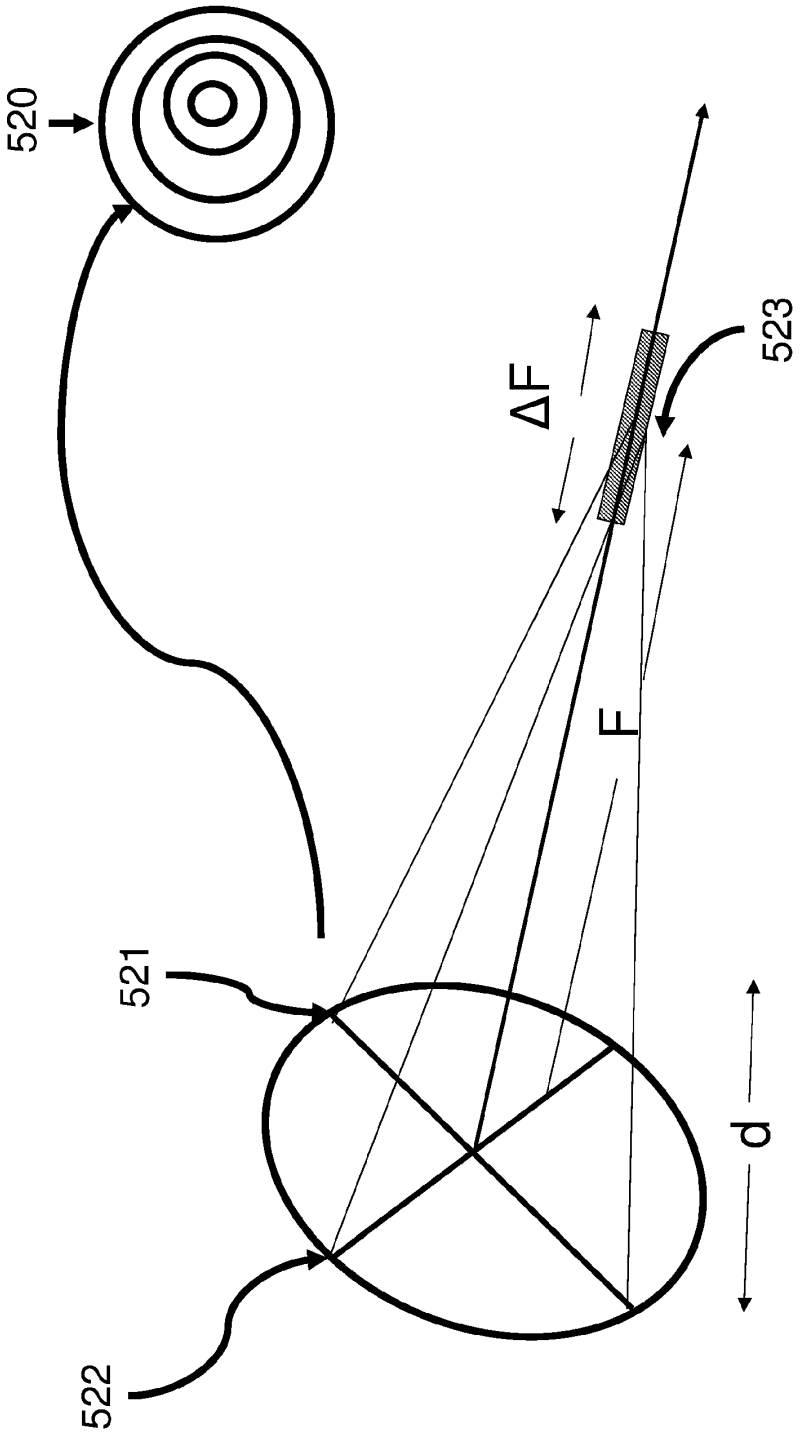


Figure 5c

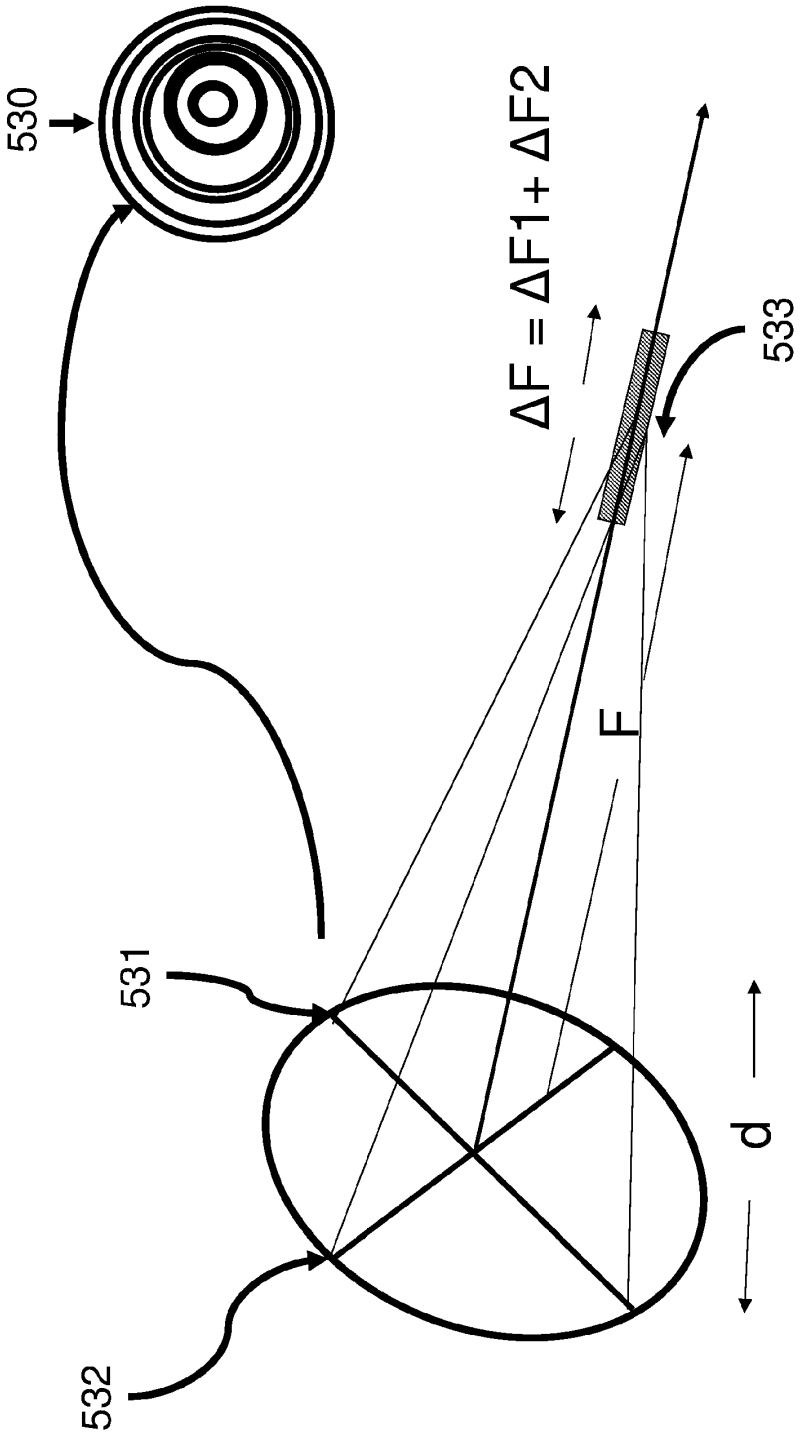


Figure 5d

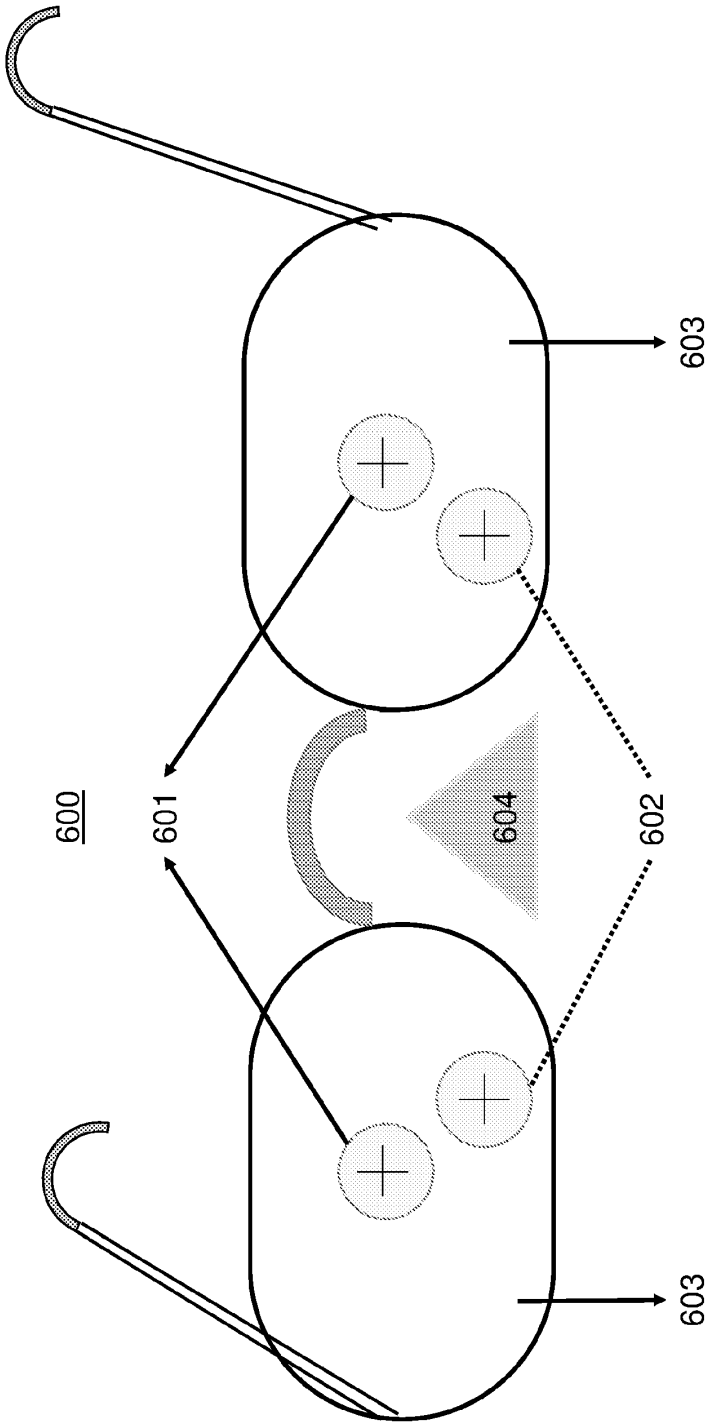


Figure 6

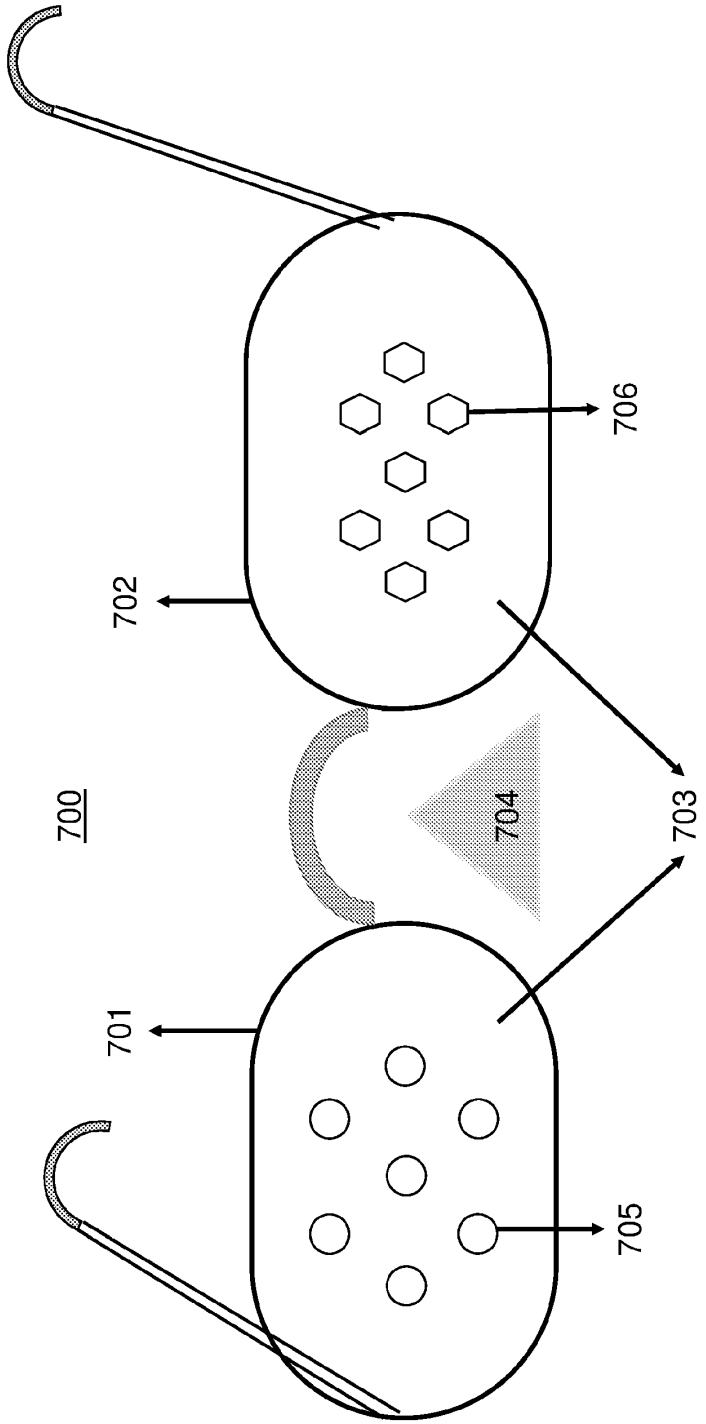


Figure 7

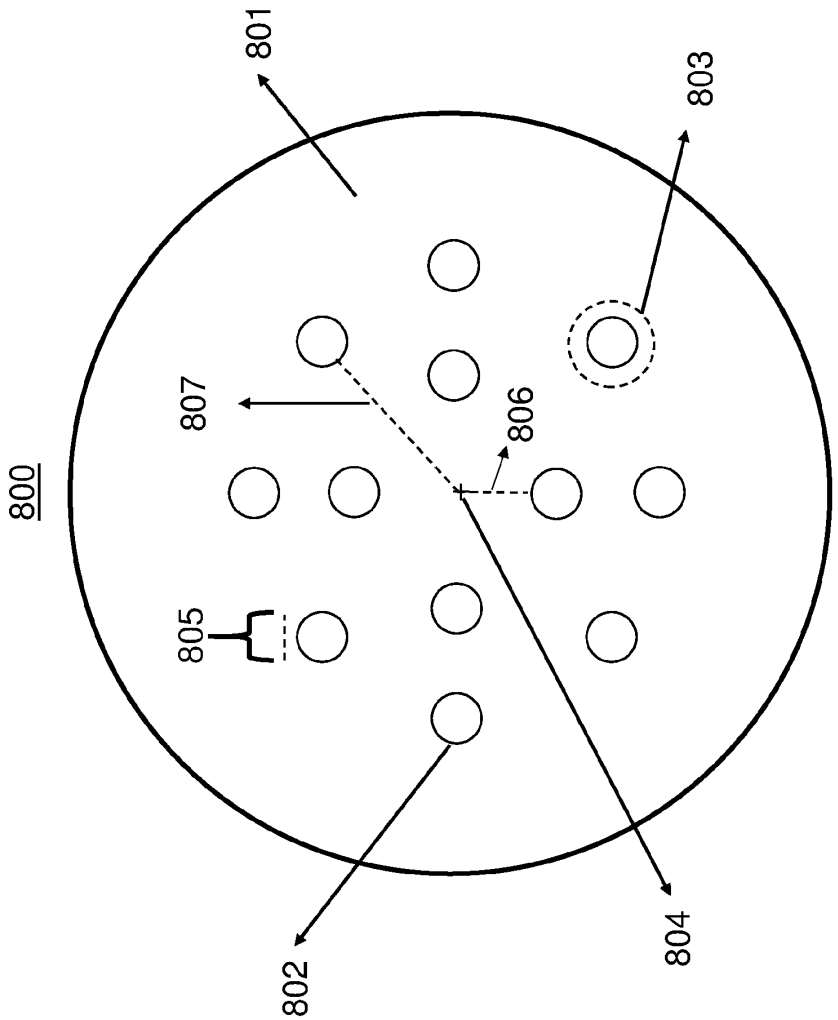


Figure 8

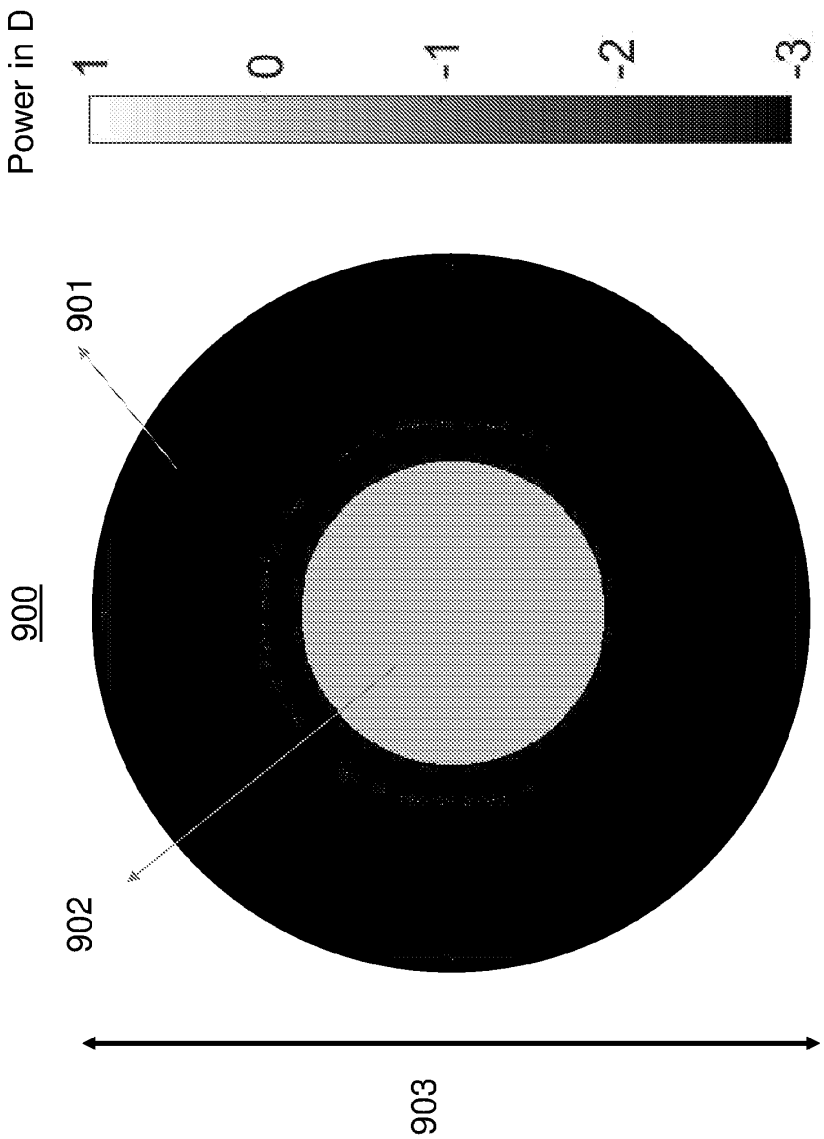


Figure 9

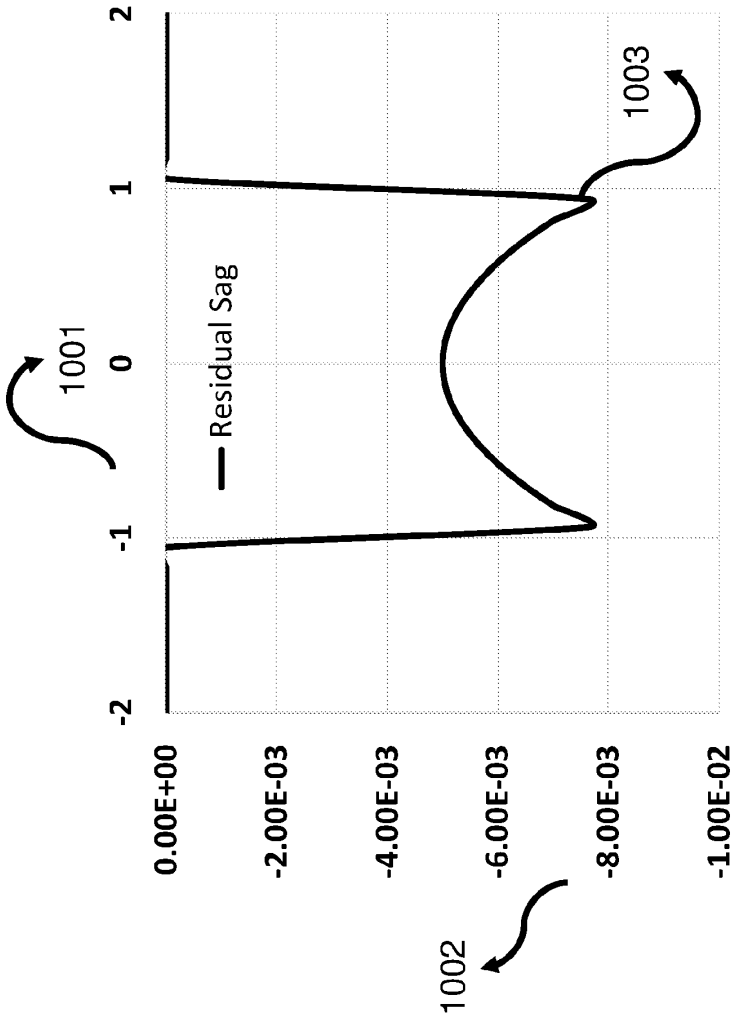

1001
Residual Sag
1003
1002
2
1
0
-1
-2
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02

Figure 10

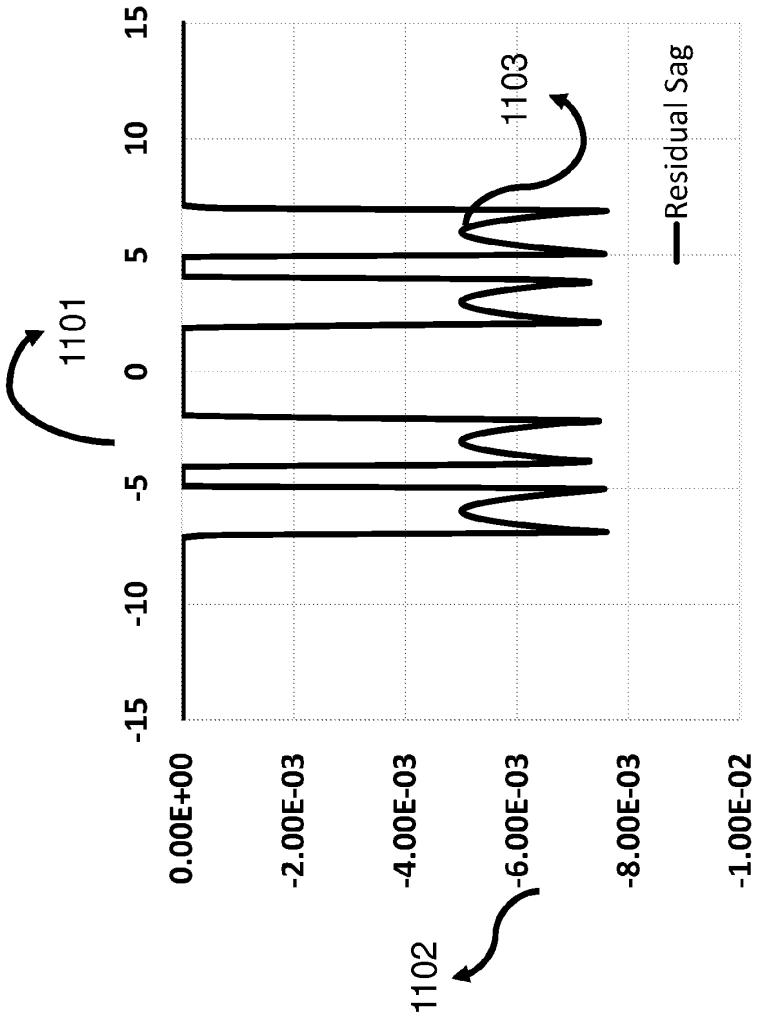

1101
1102
1103
Residual Sag
-15
-10
-5
0
5
10
15
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02

Figure 11

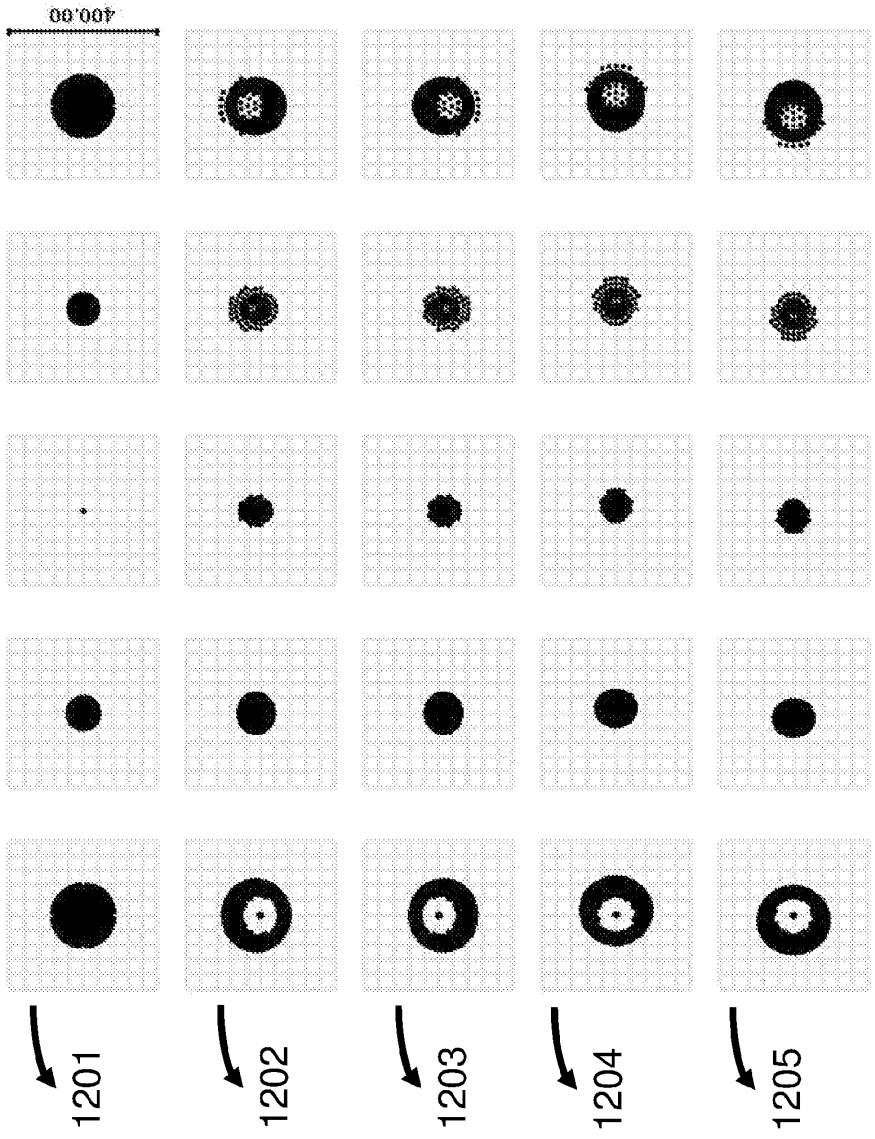


Figure 12

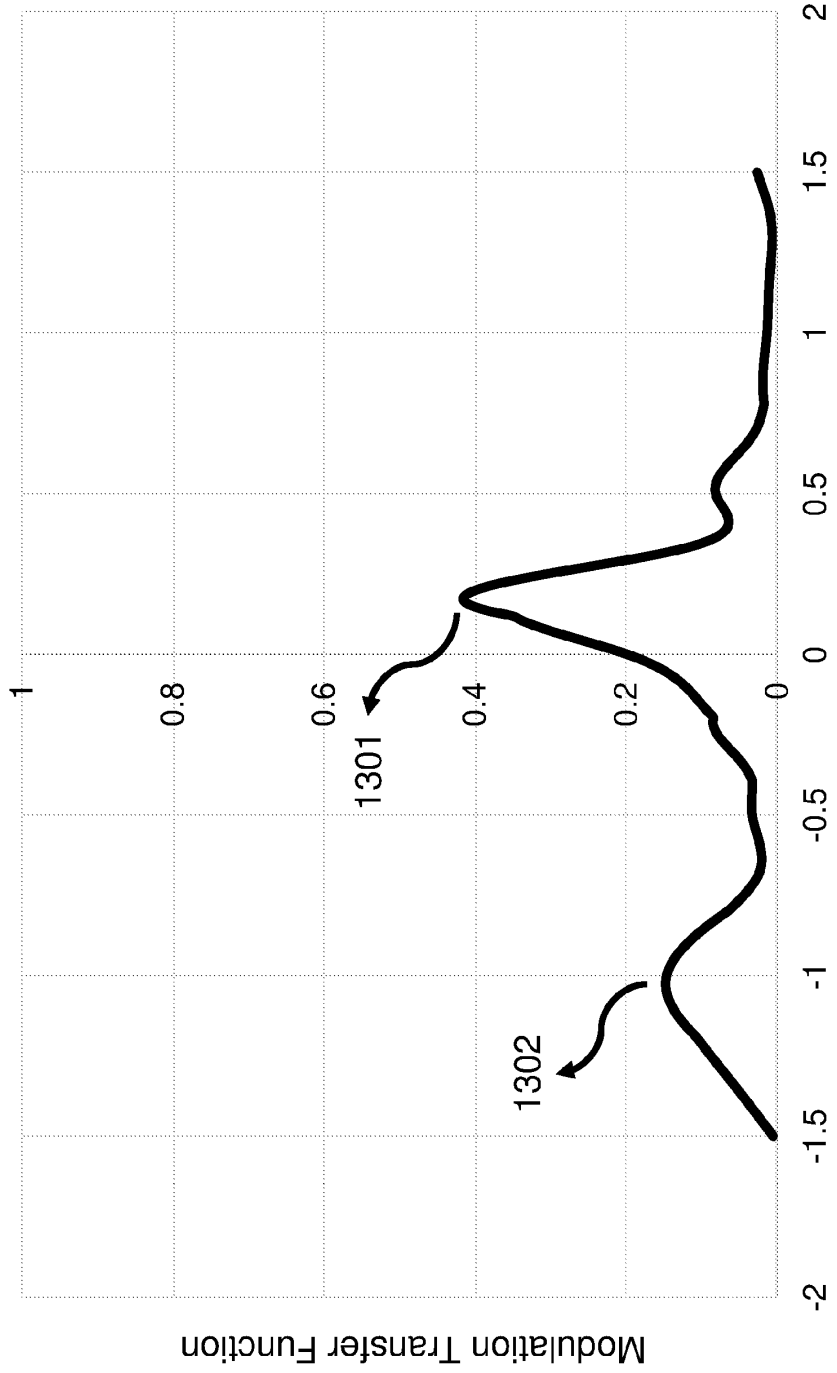

Modulation Transfer Function
Through-Focus (mm)
1
0.8
0.6
0.4
0.2
0
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
1301
1302

Figure 13

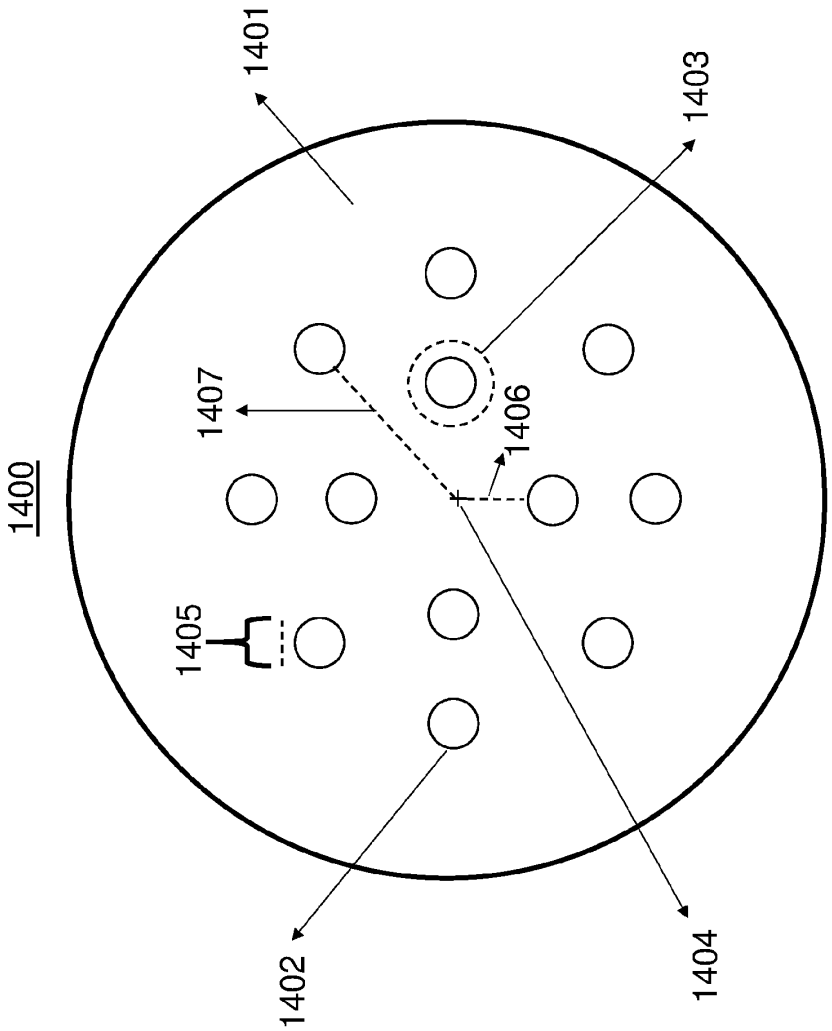


Figure 14

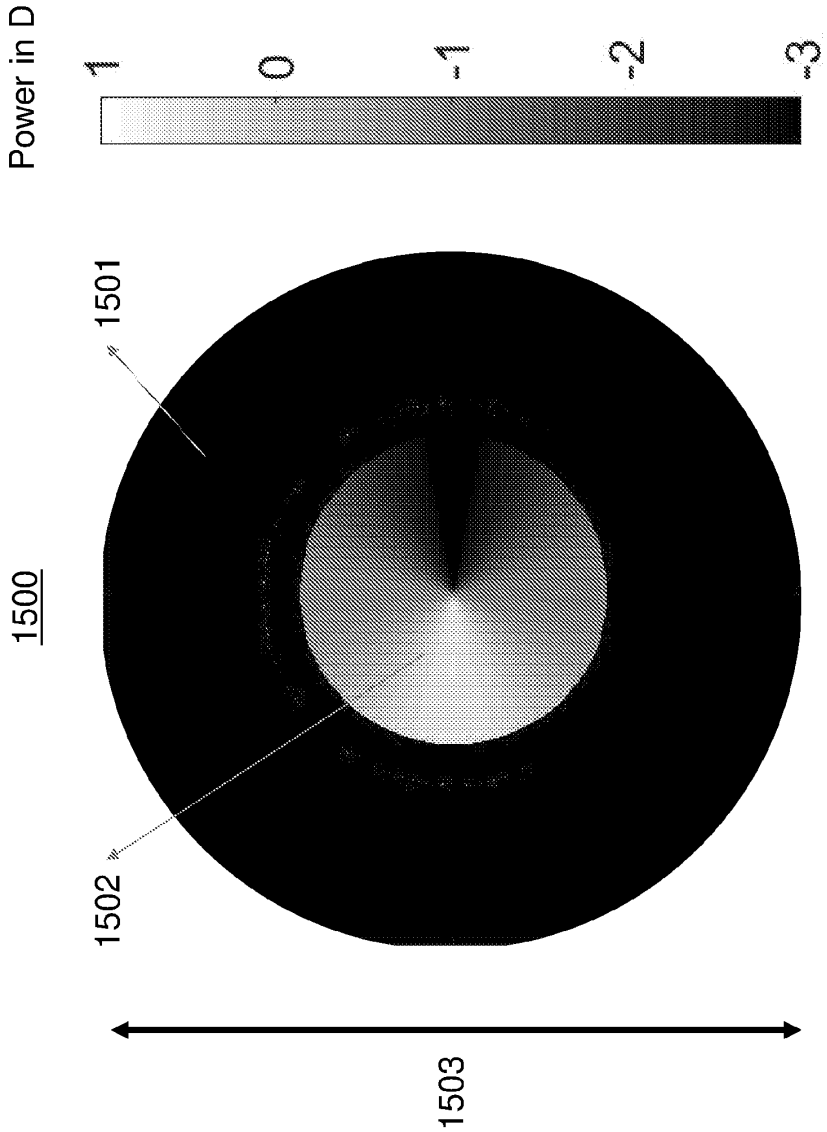


Figure 15

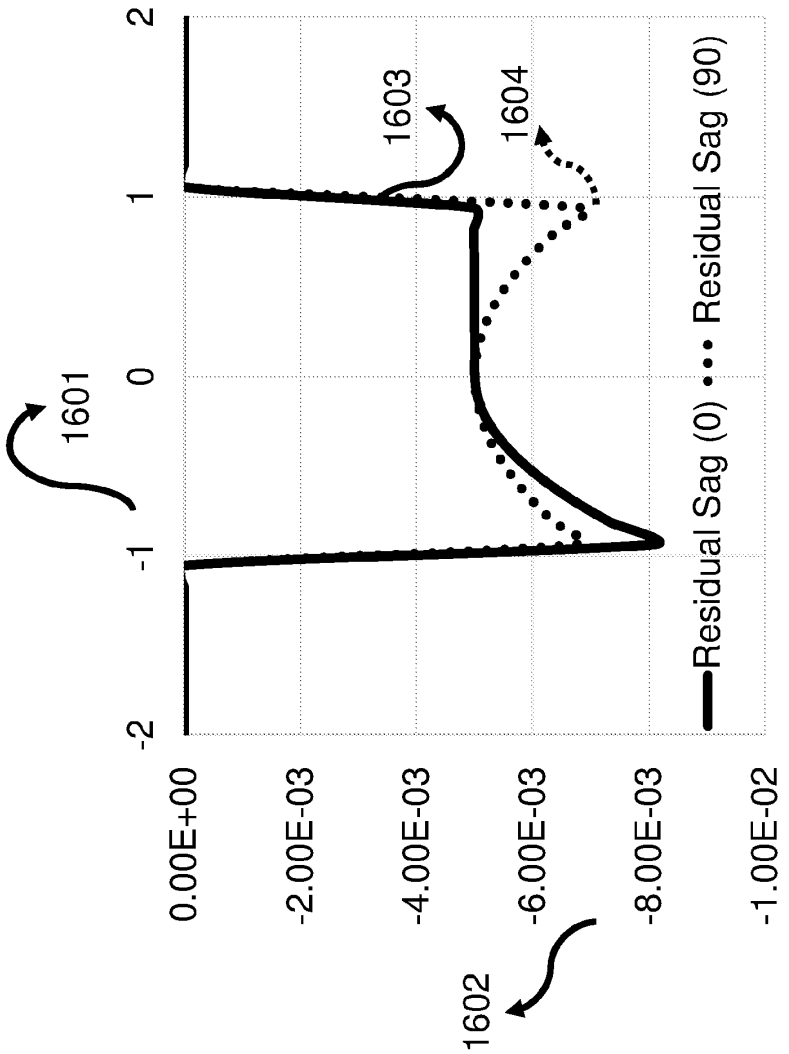

1601
1602
1603
1604
-2
-1
0
1
2
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02
Residual Sag (0)
Residual Sag (90)

Figure 16

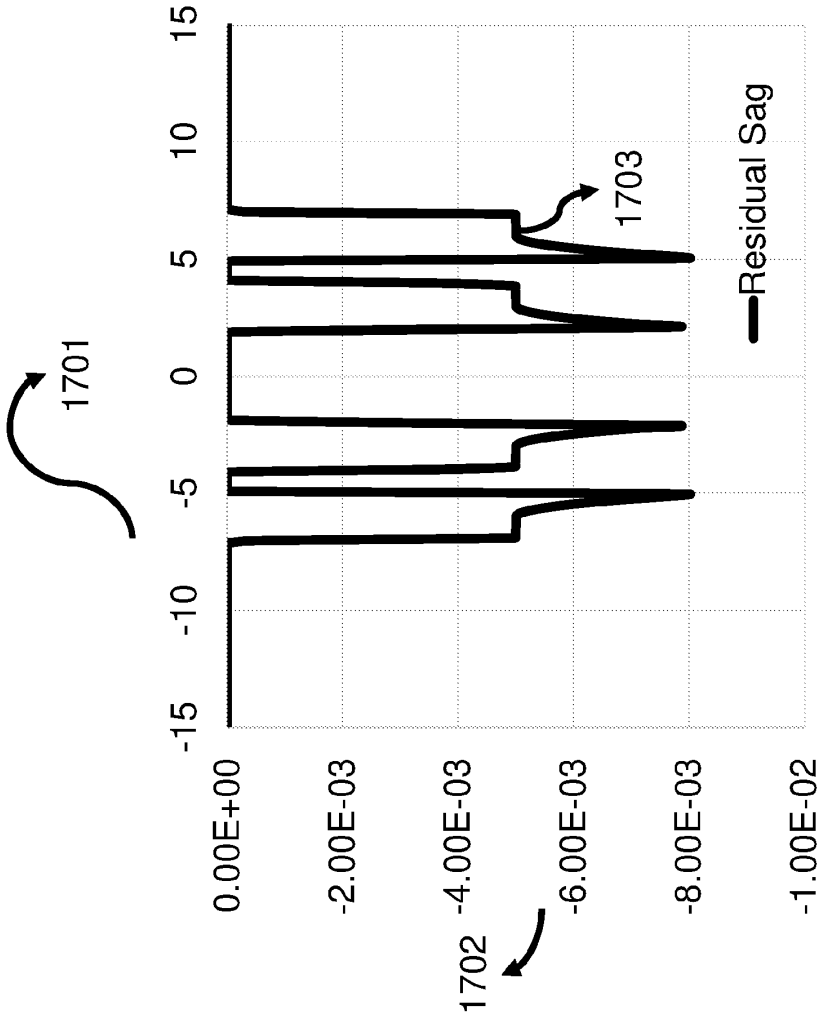

1701
1702
1703
Residual Sag
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02
-15
-10
-5
0
5
10
15

Figure 17

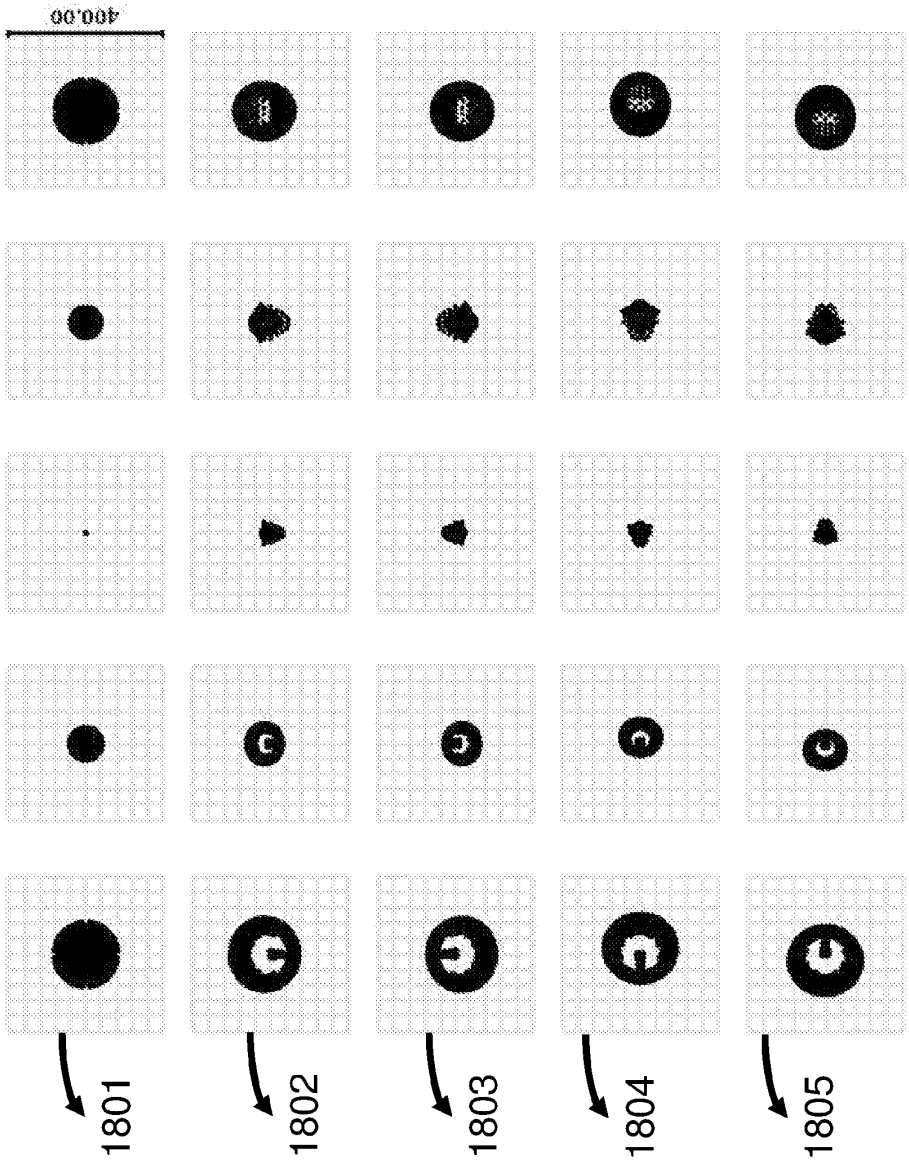


Figure 18

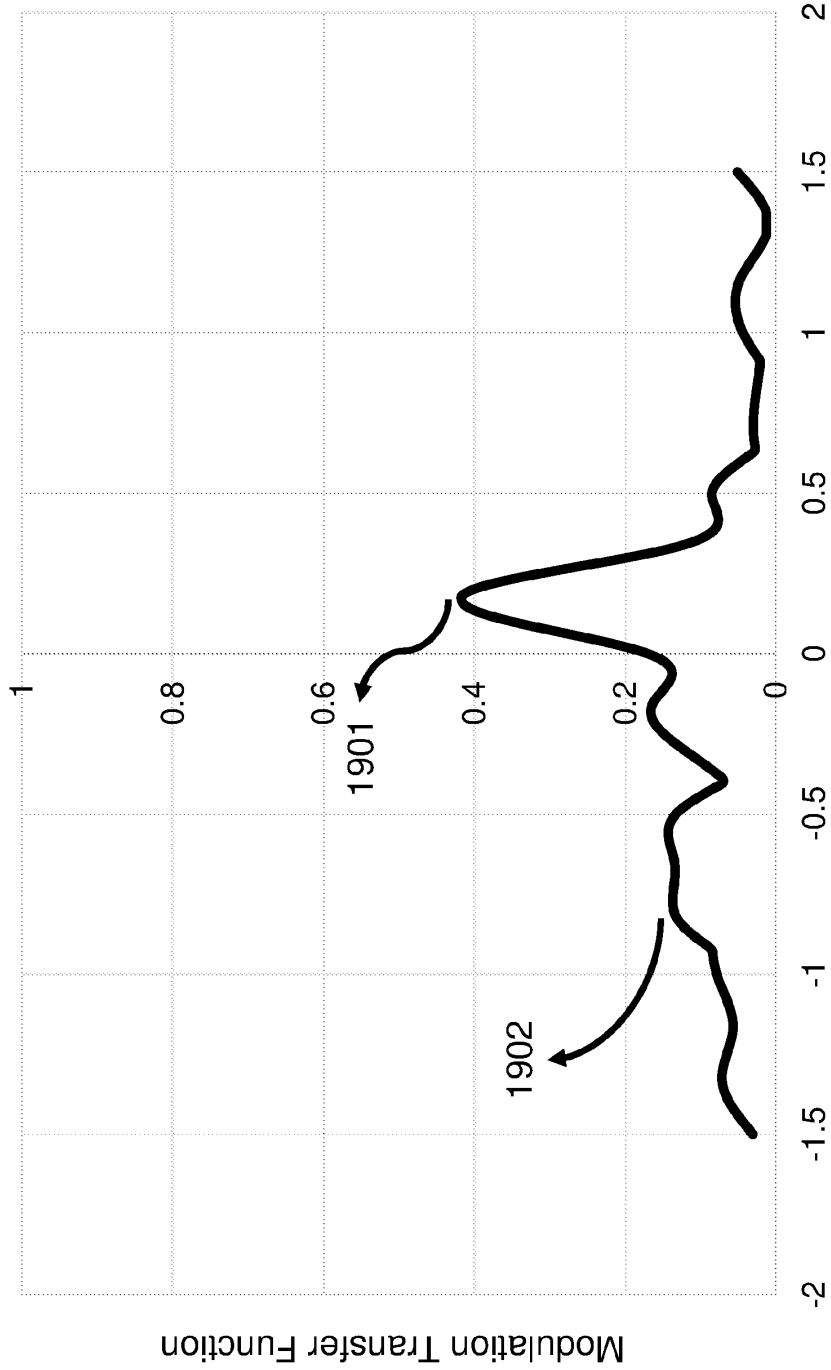

Modulation Transfer Function
1
0.8
0.6
0.4
0.2
0
1901
1902
-2
-1.5
-1
-0.5
0
0.5
1
1.5
2
Through-Focus (mm)

Figure 19

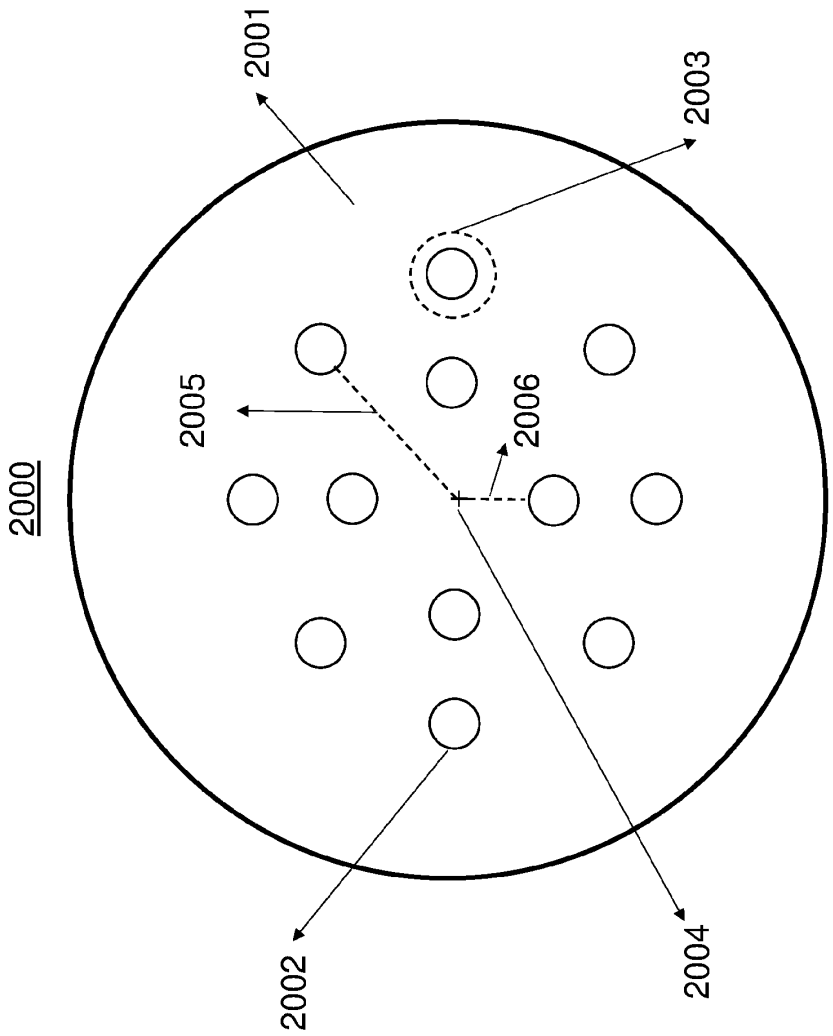


Figure 20

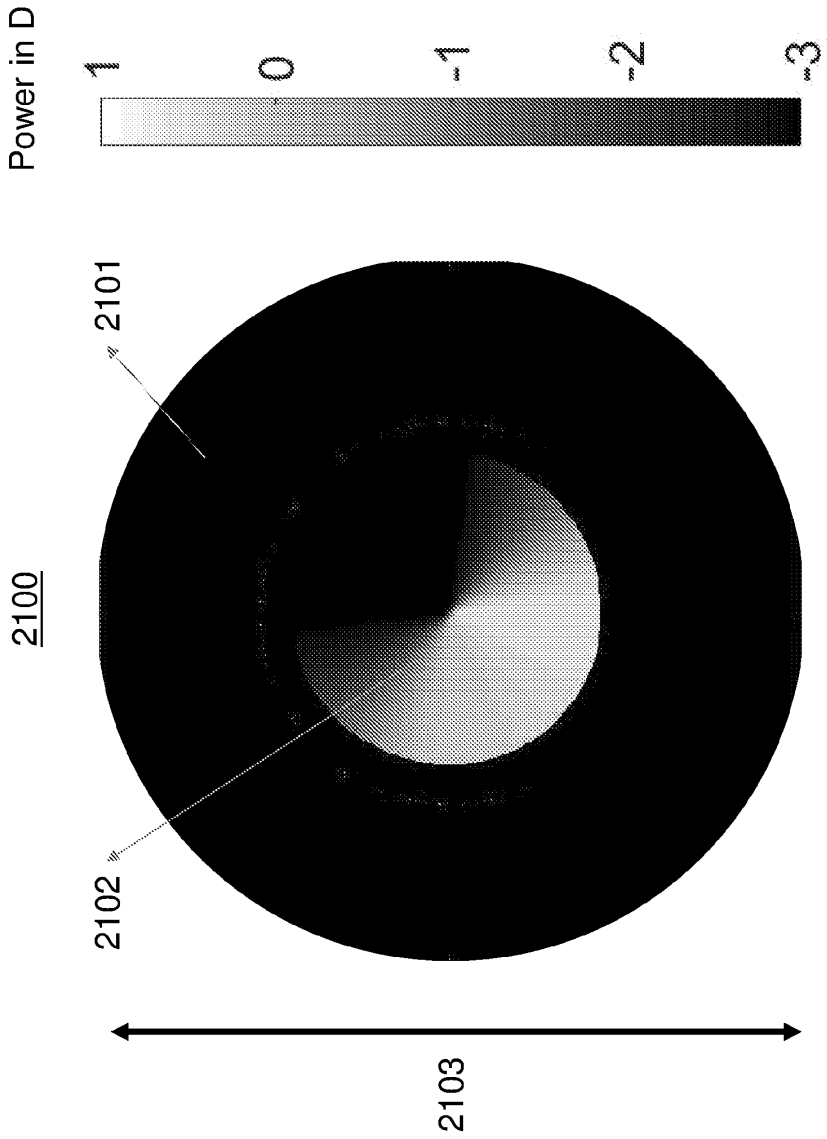


Figure 21

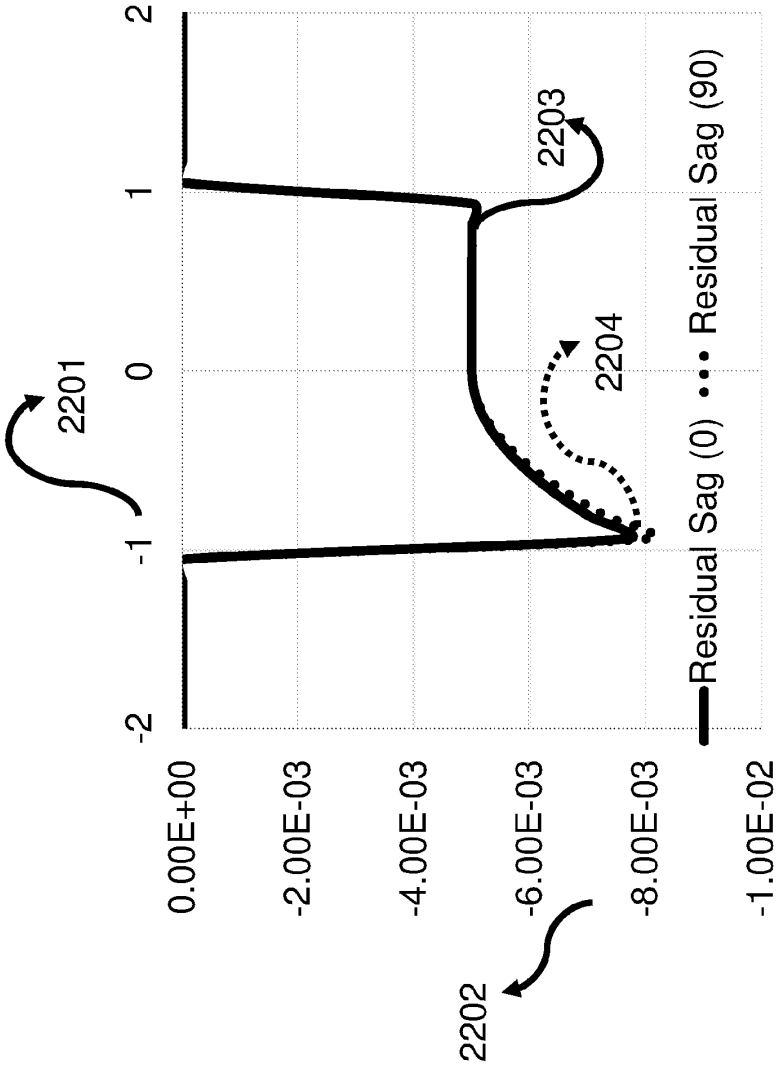

2
1
0
-1
-2
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02
2201
2202
2203
2204
Residual Sag (0)
Residual Sag (90)

Figure 22

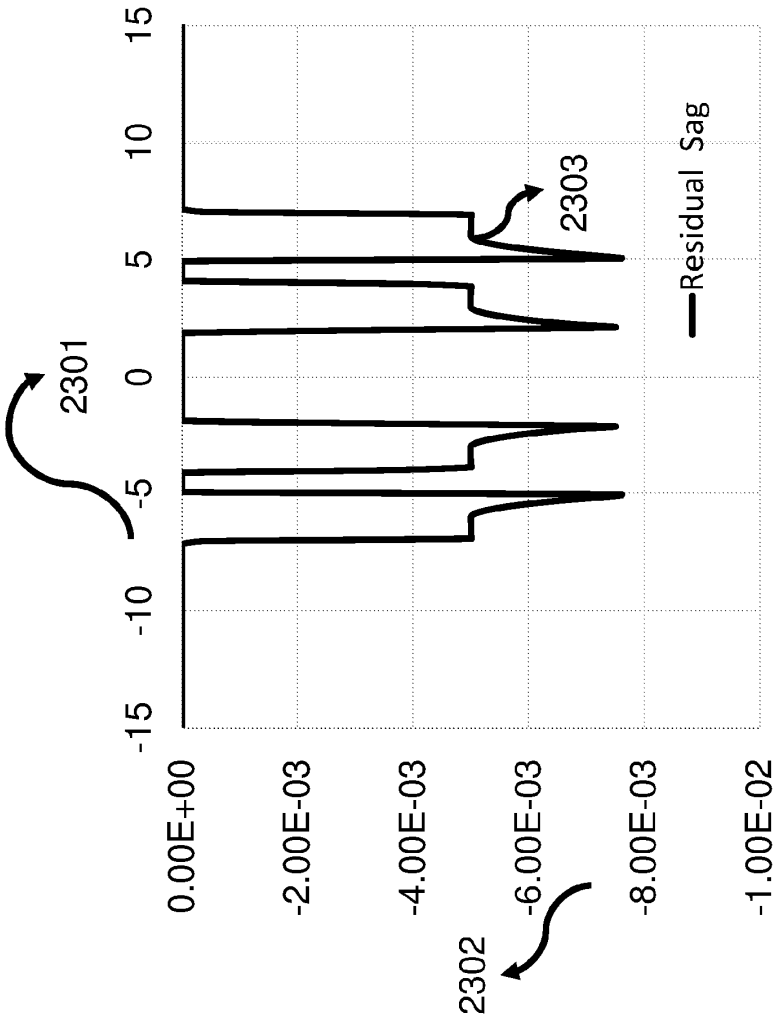

2301
2303
2302
Residual Sag
15
10
5
0
-5
-10
-15
0.00E+00
-2.00E-03
-4.00E-03
-6.00E-03
-8.00E-03
-1.00E-02

Figure 23

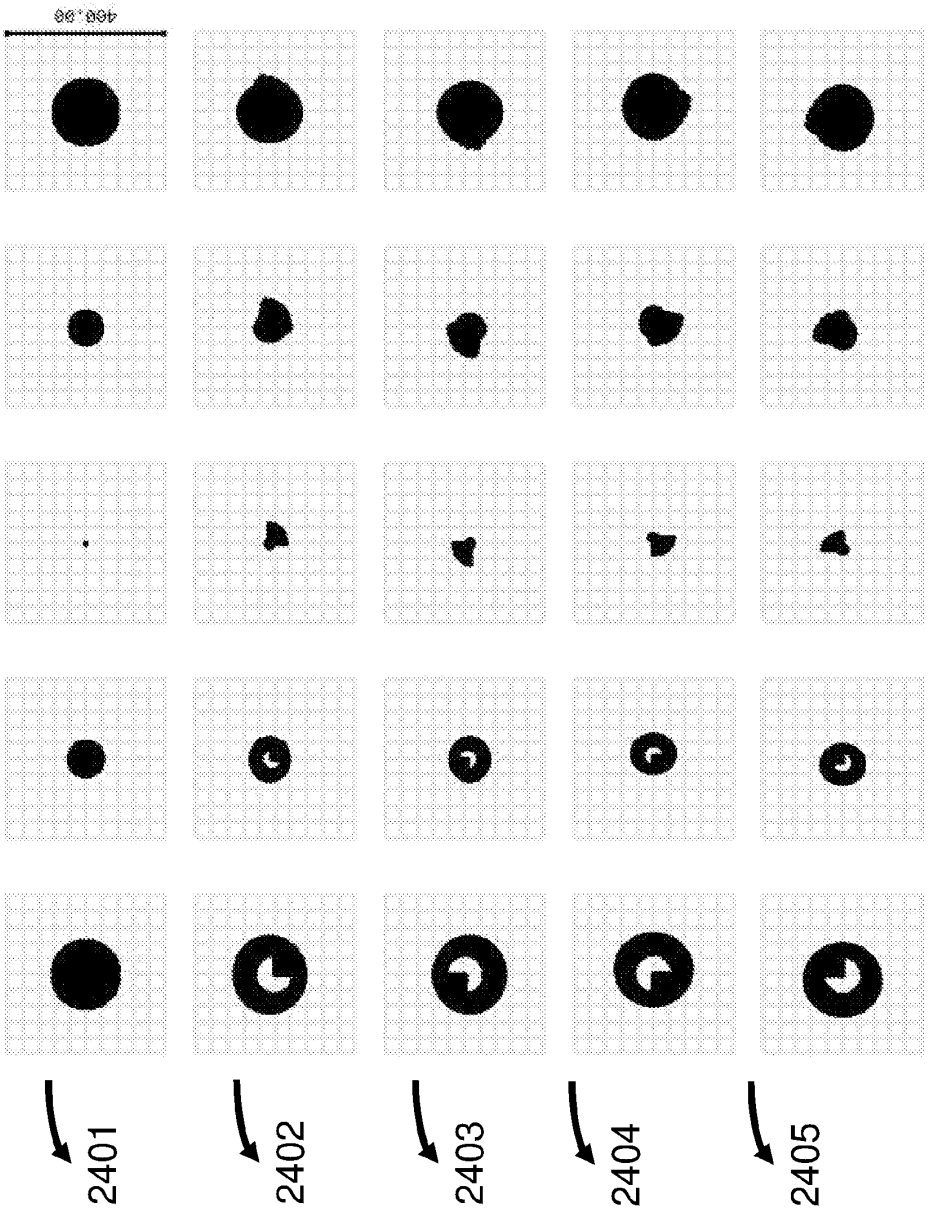


Figure 24

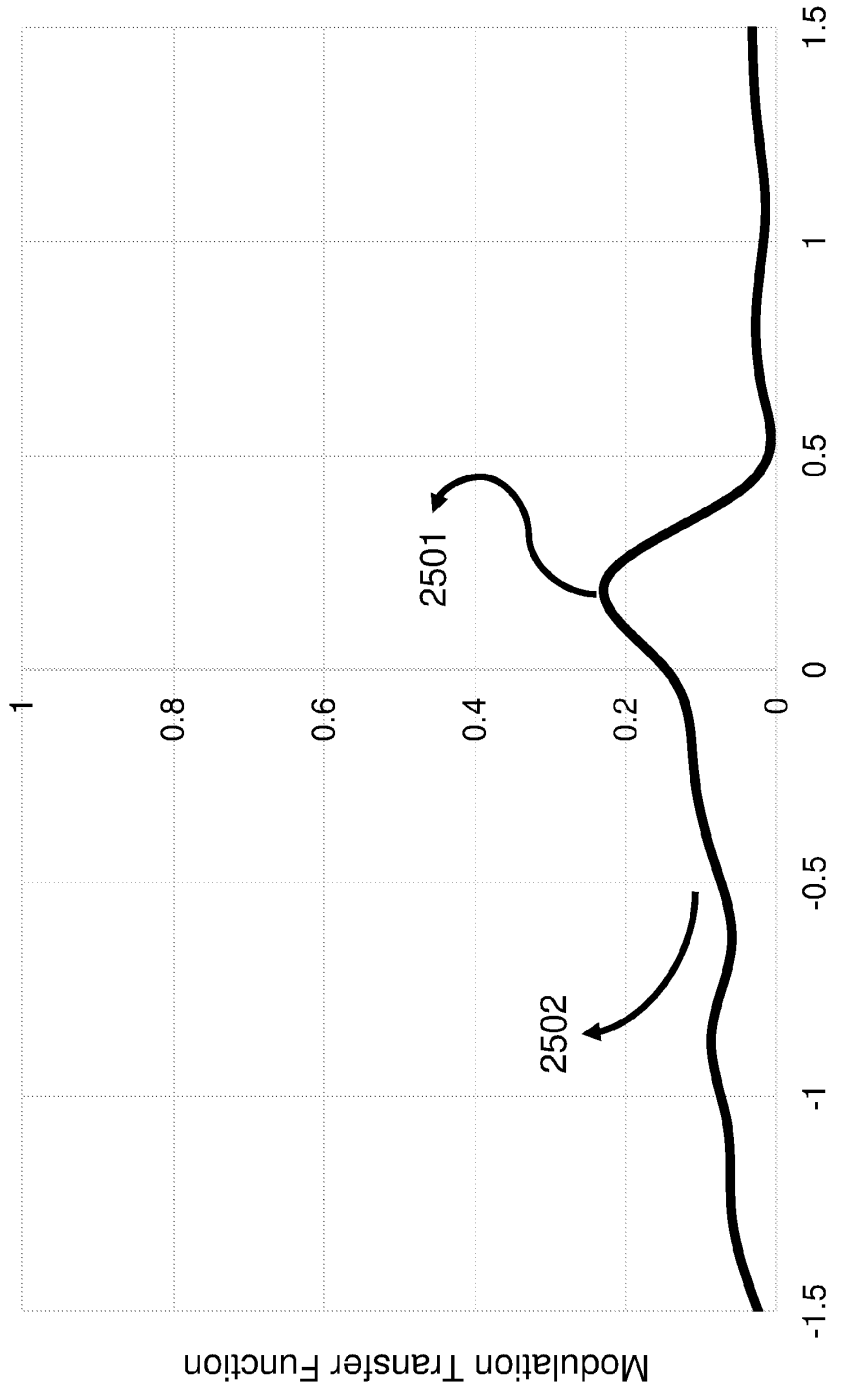

Modulation Transfer Function
1
0.8
0.6
0.4
0.2
0
-1.5
-1
-0.5
0
0.5
1
1.5
Through-Focus (mm)
2501
2502

Figure 25

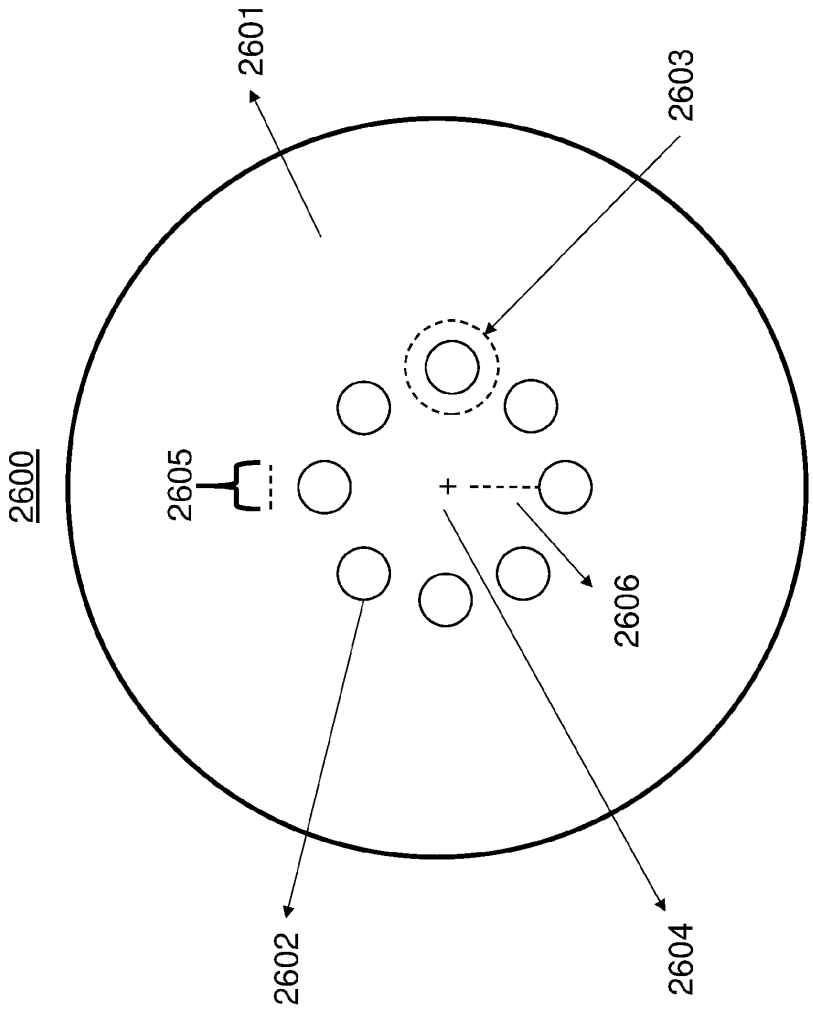


Figure 26

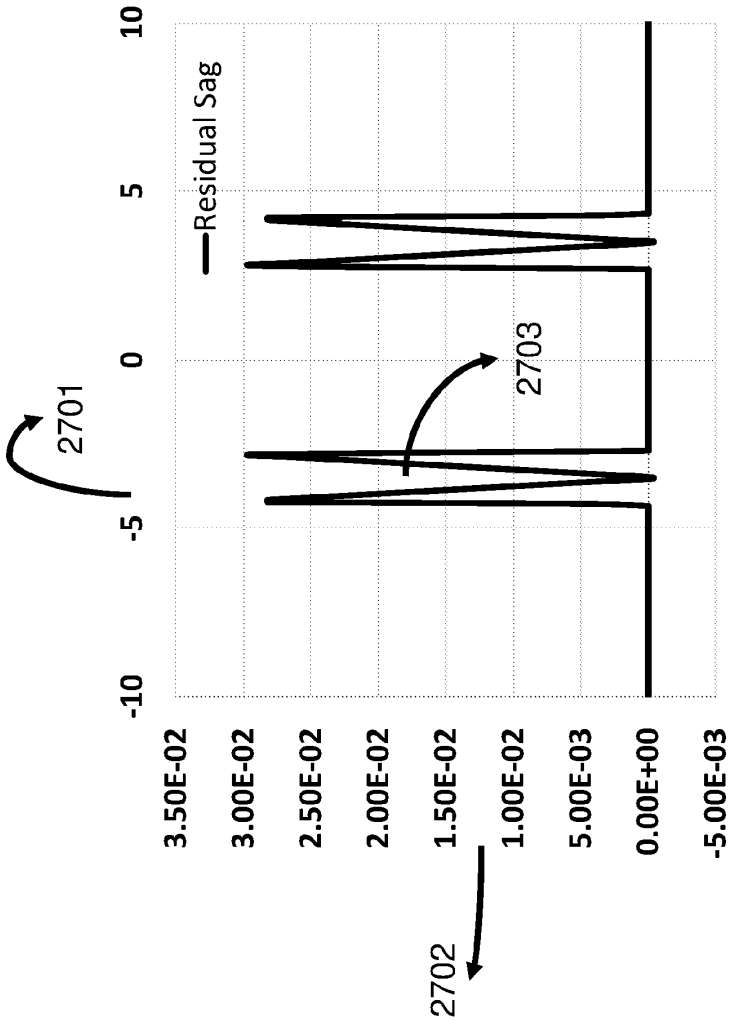

Residual Sag
3.50E-02
3.00E-02
2.50E-02
2.00E-02
1.50E-02
1.00E-02
5.00E-03
0.00E+00
-5.00E-03
-10
-5
0
5
10
2701
2702
2703

Figure 27

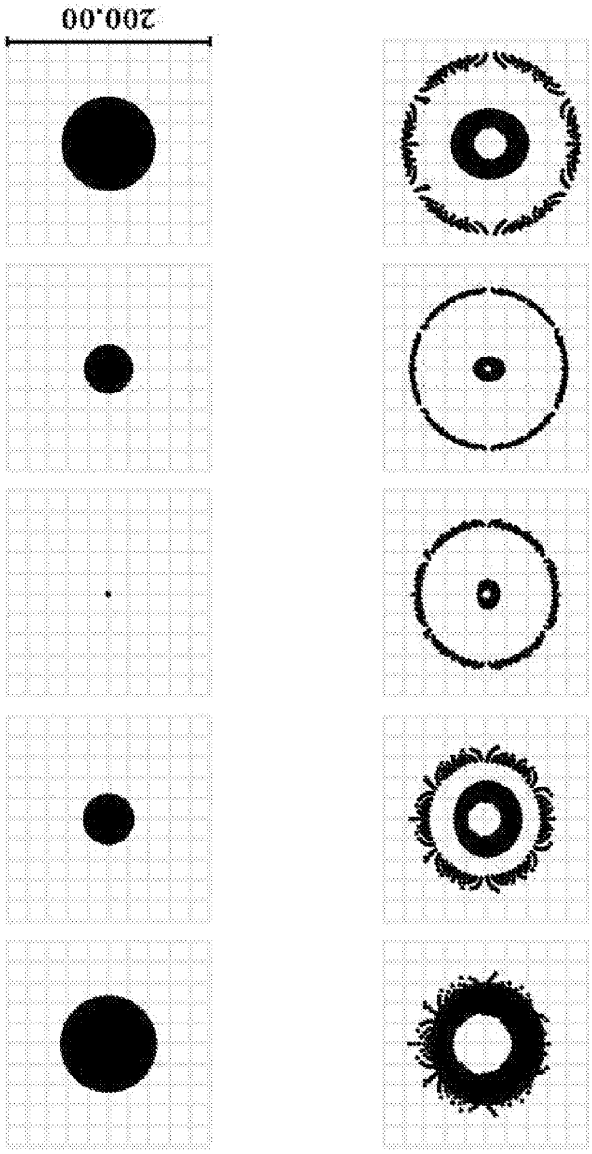


Figure 28

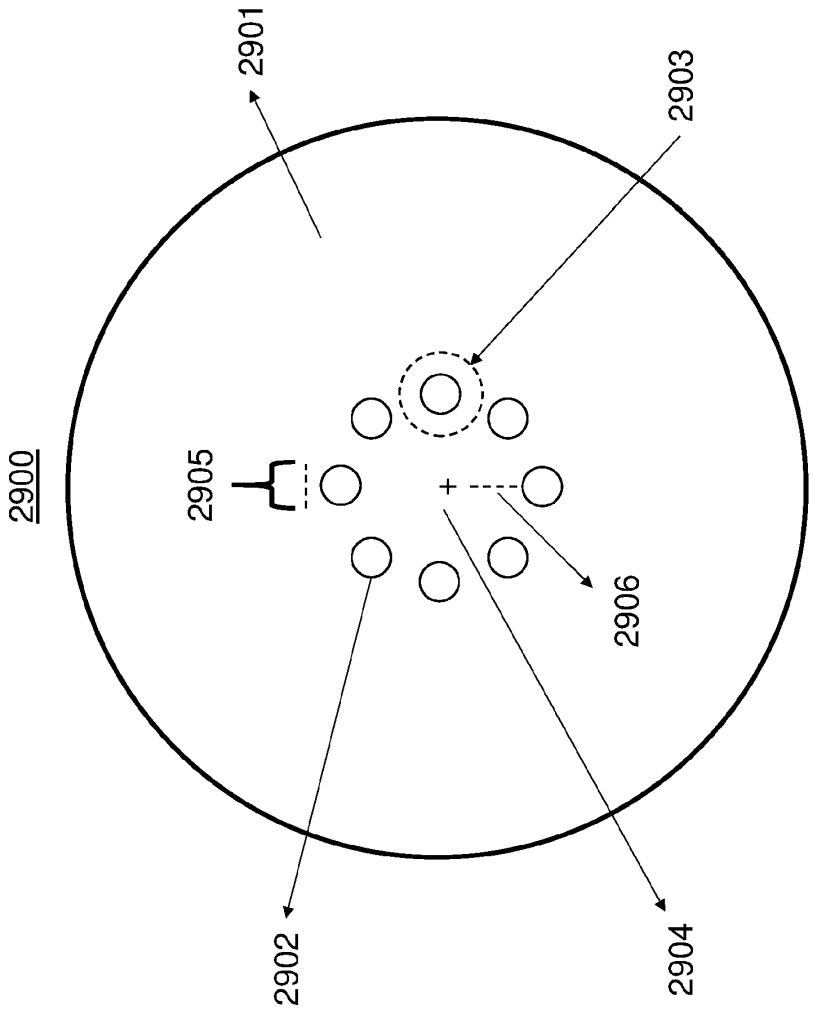


Figure 29

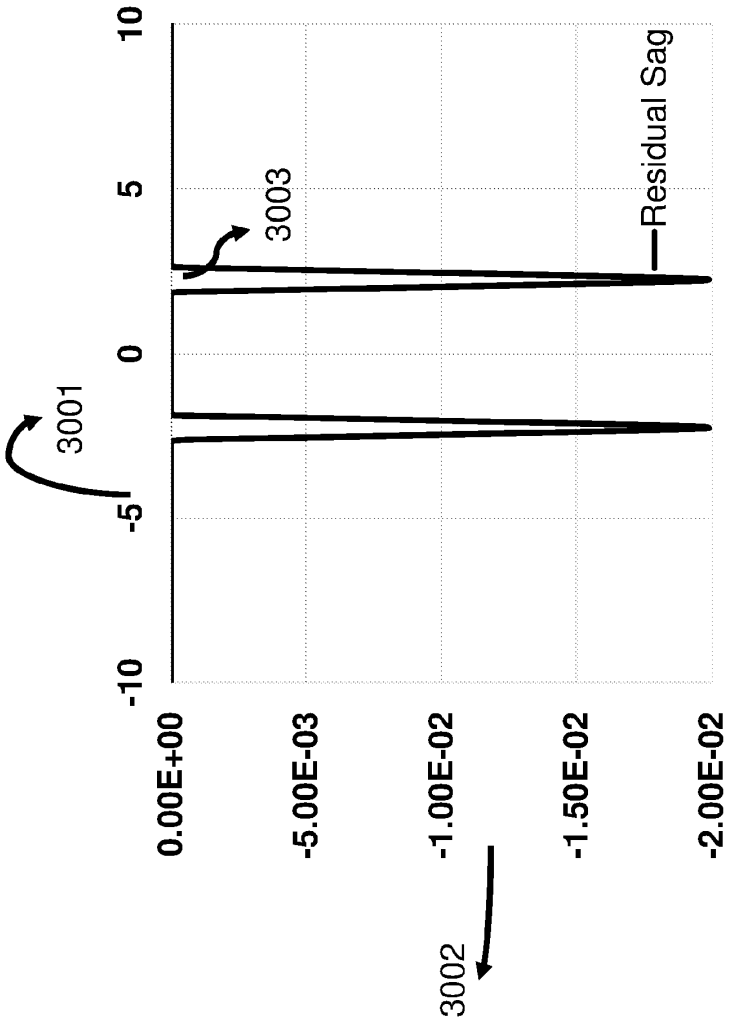

10
5
0
-5
-10
0.00E+00
-5.00E-03
-1.00E-02
-1.50E-02
-2.00E-02
Residual Sag
3001
3002
3003

Figure 30

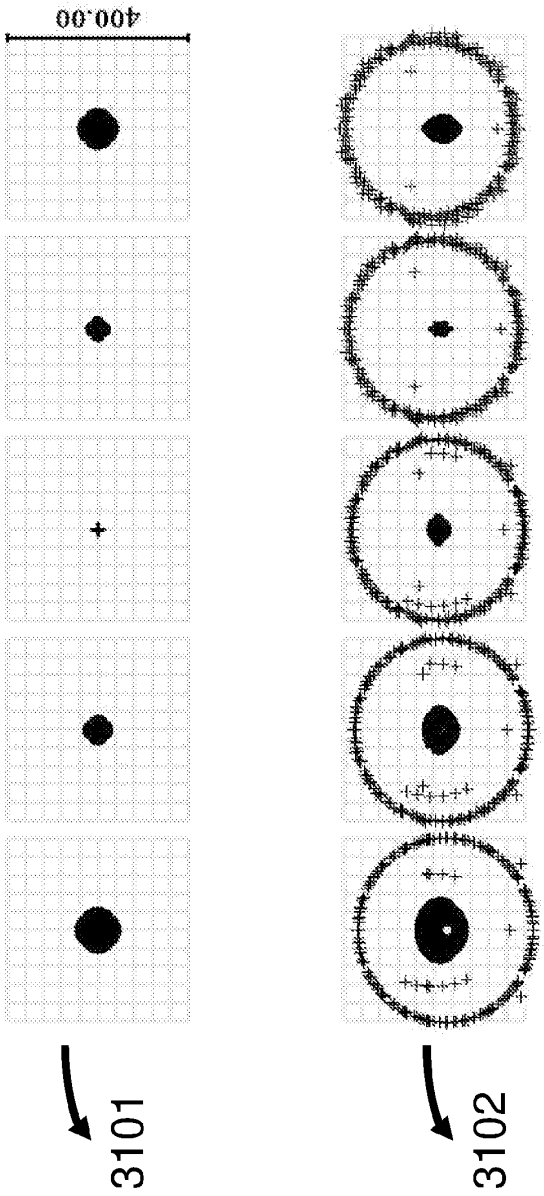


Figure 31