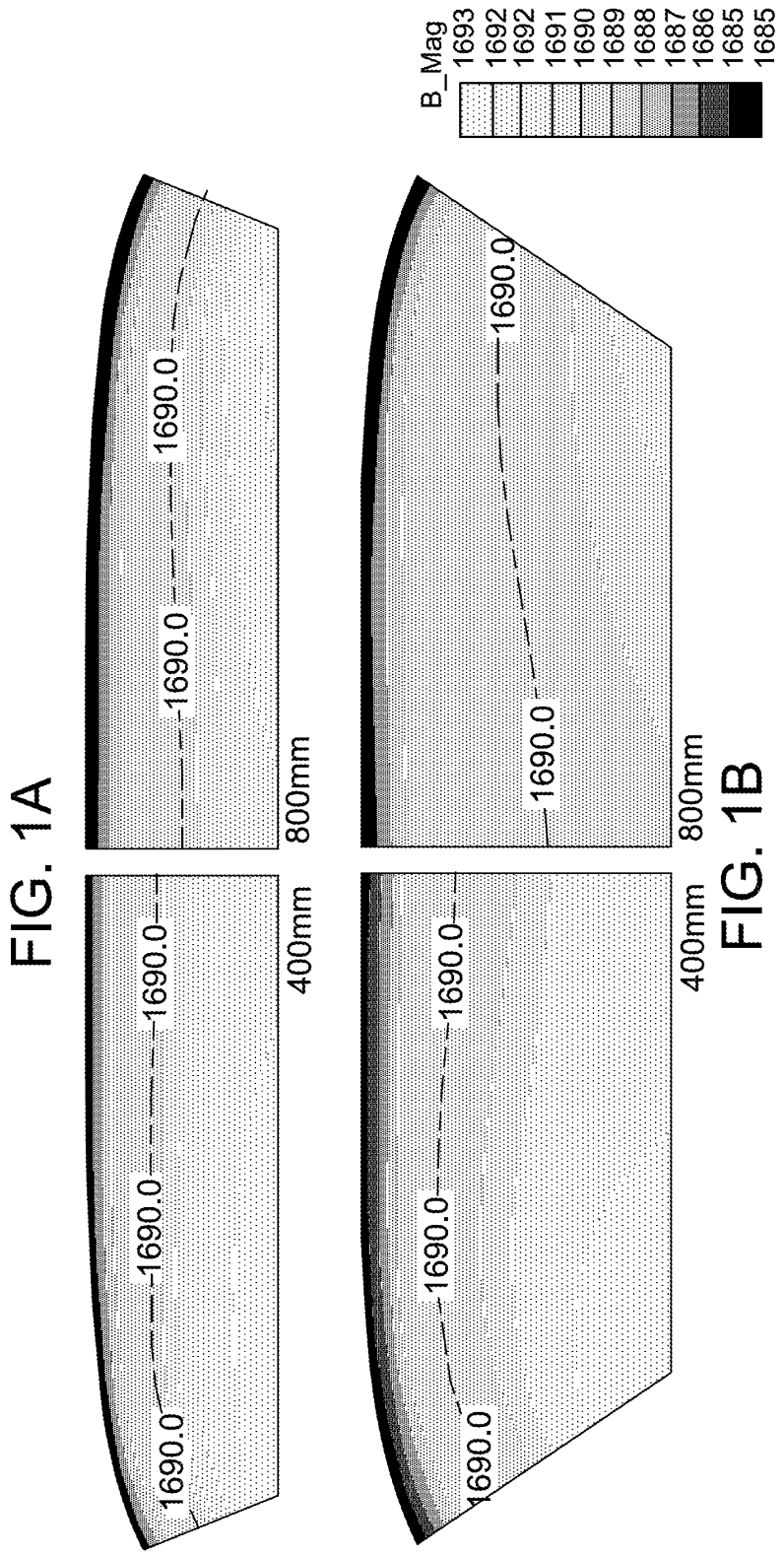
B_Mag
1693
1692
1692
1691
1690
1689
1688
1687
1686
1685
1685
1690.0
1690.0
1690.0
800mm
1690.0
1690.0
1690.0
400mm
1690.0
1690.0
1690.0
800mm
1690.0
1690.0
1690.0
400mm

FIG. 1A

FIG. 1B

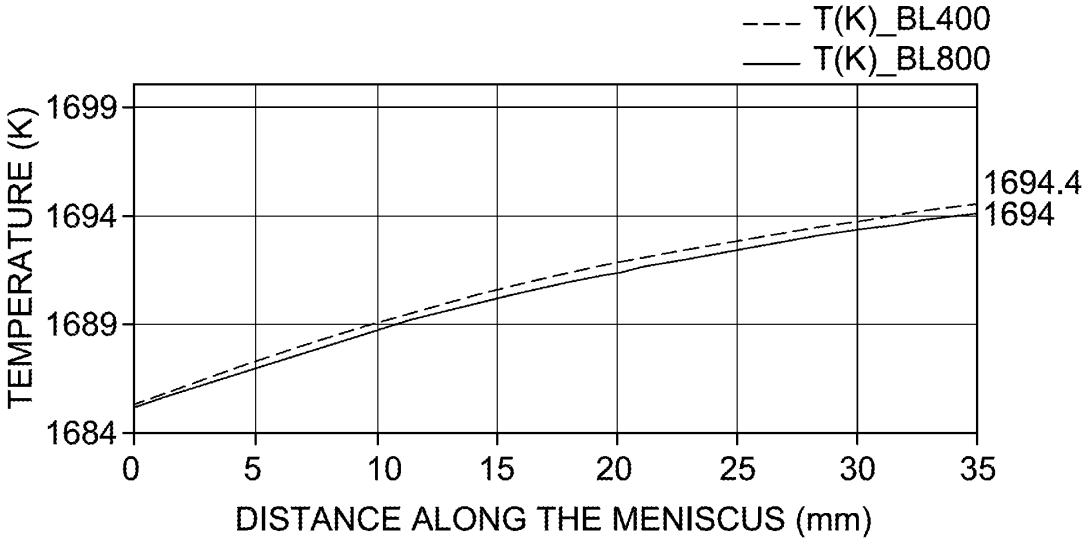
T(K)_BL400
T(K)_BL800
TEMPERATURE (K)
1699
1694
1689
1684
0
5
10
15
20
25
30
35
DISTANCE ALONG THE MENISCUS (mm)
1694.4
1694

FIG. 2A

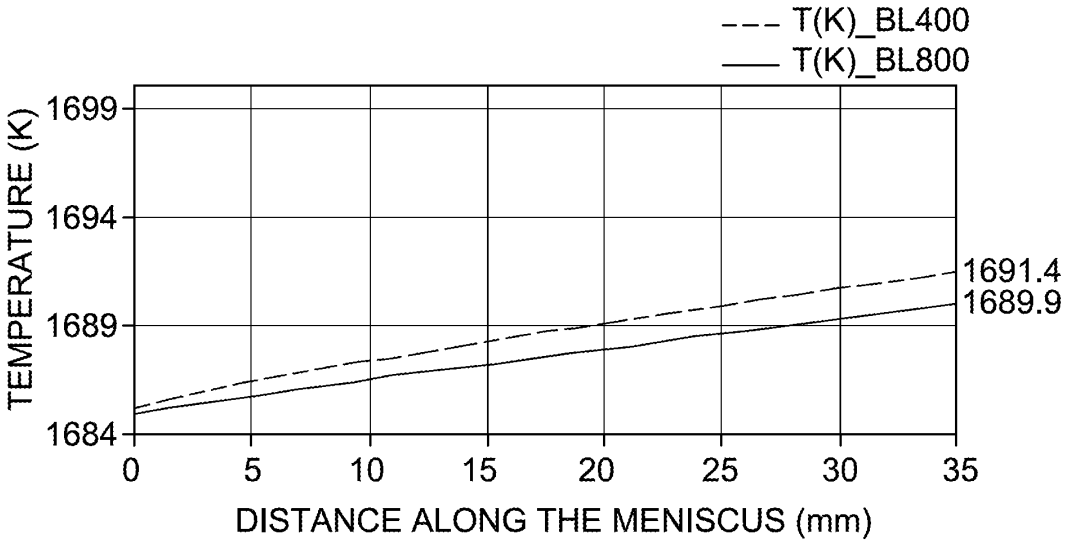
T(K)_BL400
T(K)_BL800
TEMPERATURE (K)
1699
1694
1689
1684
0
5
10
15
20
25
30
35
DISTANCE ALONG THE MENISCUS (mm)
1691.4
1689.9

FIG. 2B

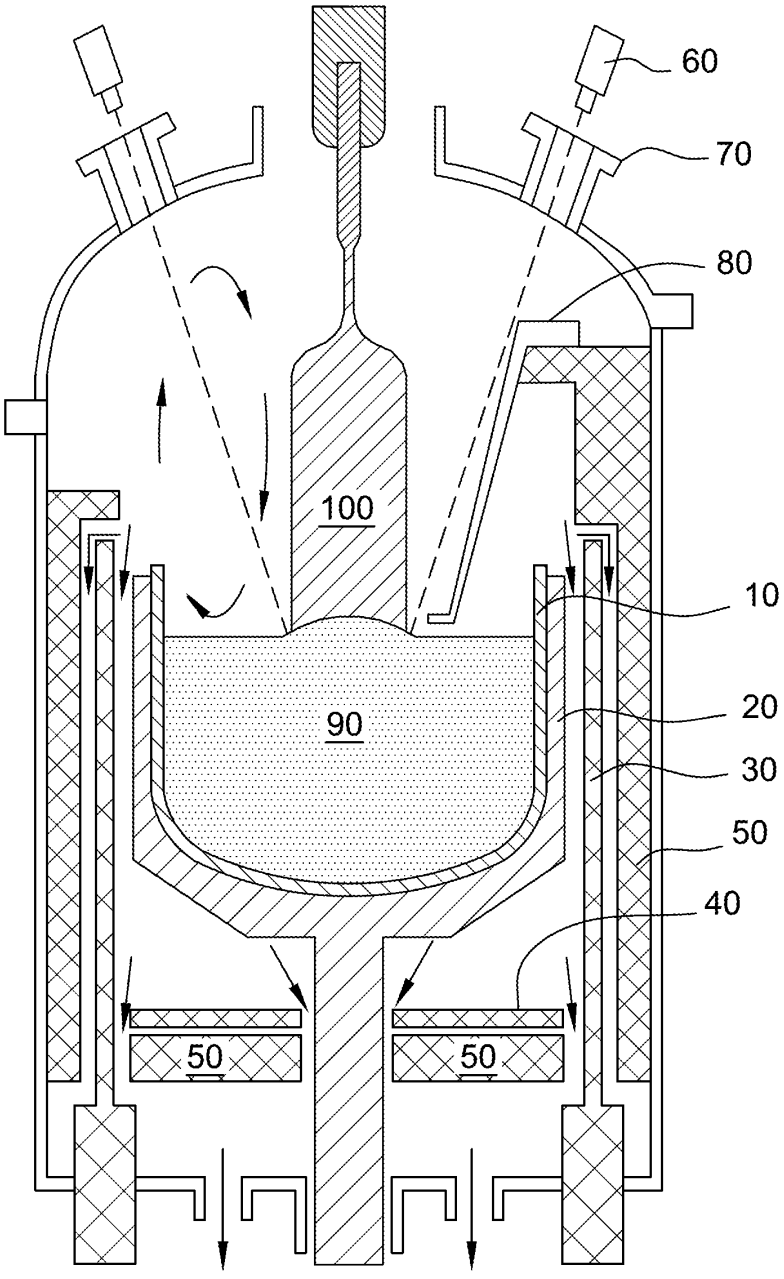

FIG. 3

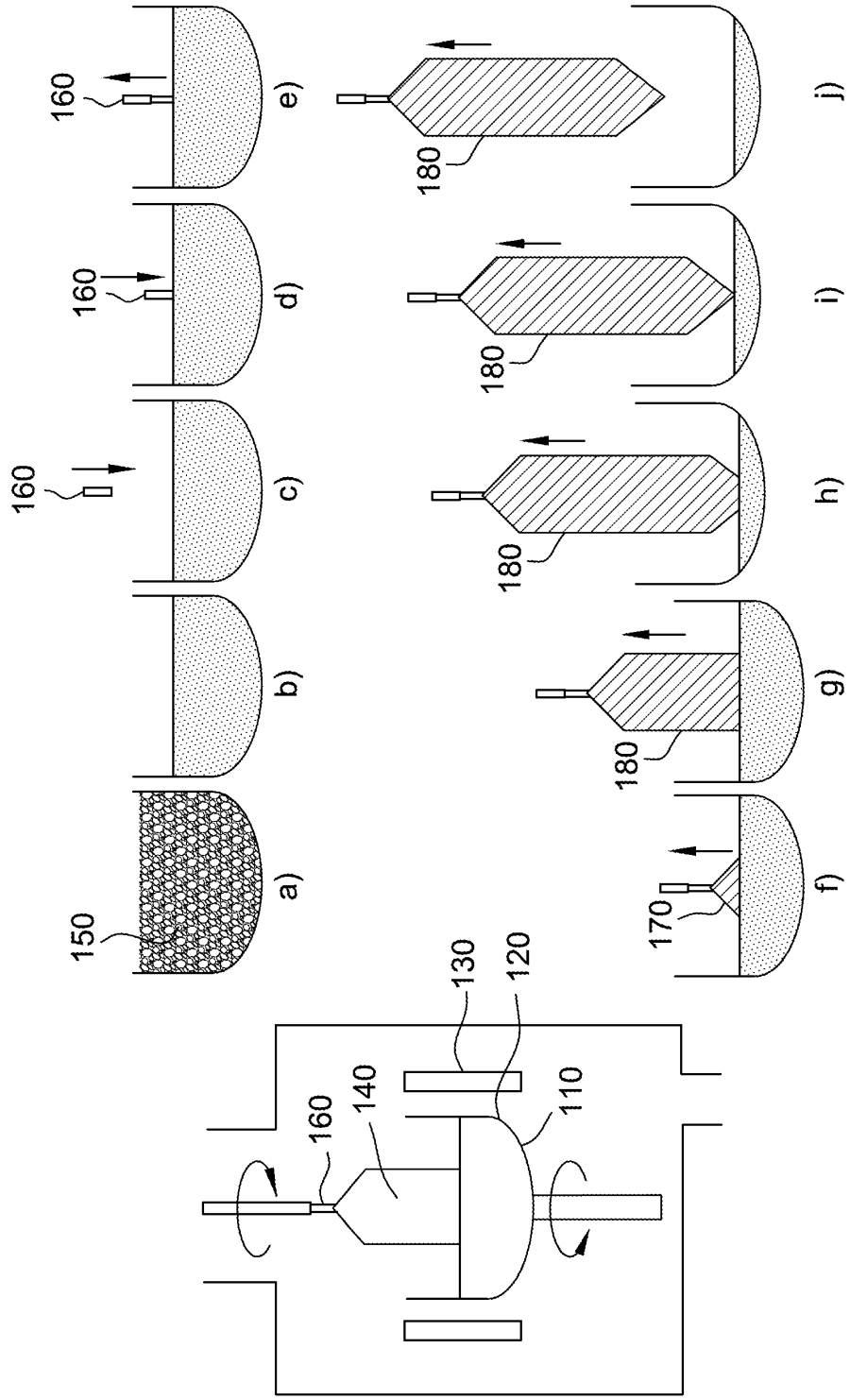

FIG. 4

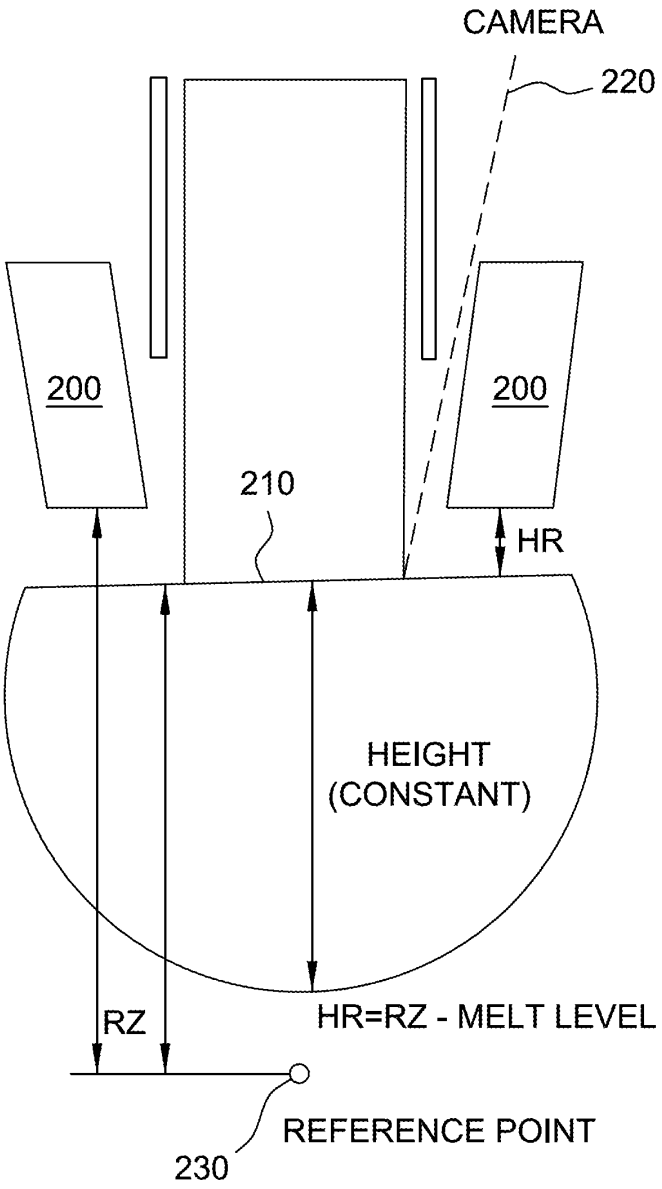
CAMERA
220
200
200
210
HR
HEIGHT
(CONSTANT)
RZ
HR=RZ - MELT LEVEL
REFERENCE POINT
230

FIG. 5

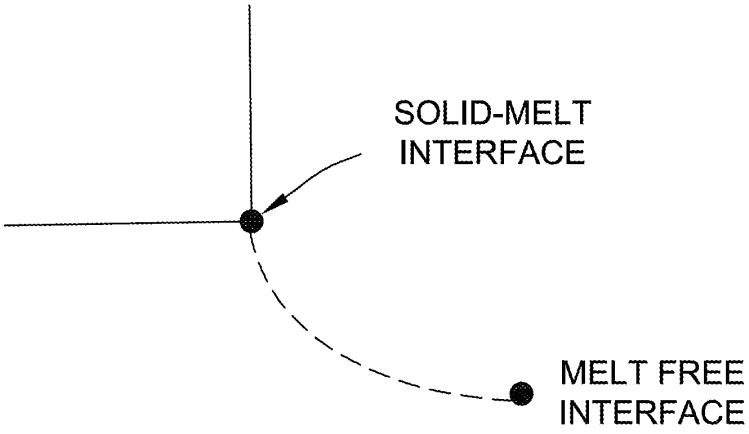

FIG. 6

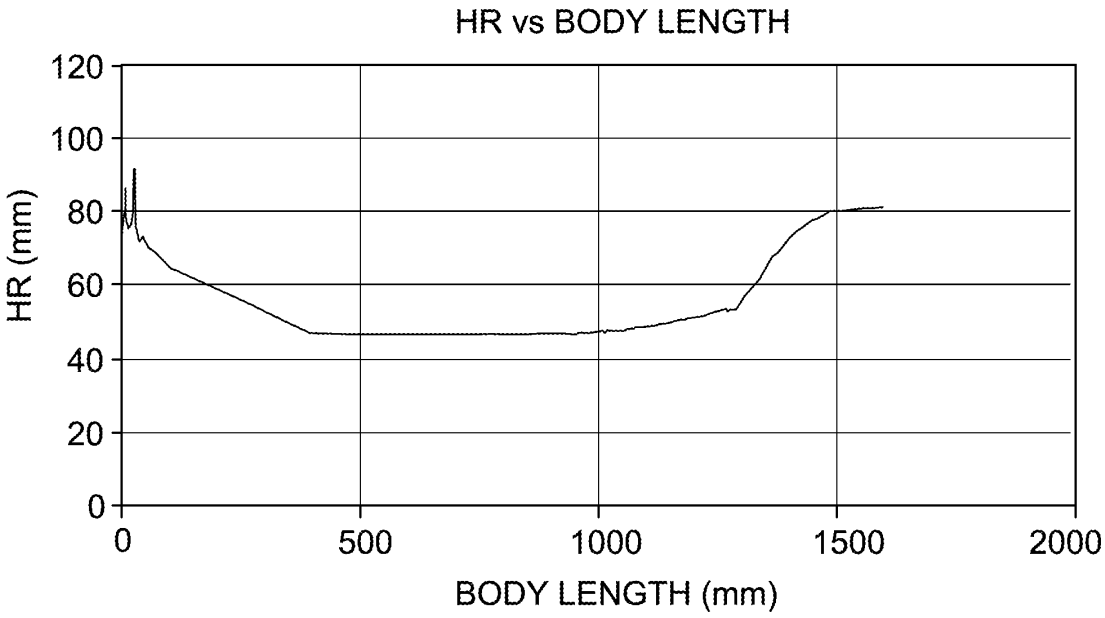
HR vs BODY LENGTH
120
100
80
60
40
20
0
HR (mm)
0
500
1000
1500
2000
BODY LENGTH (mm)

FIG. 7A

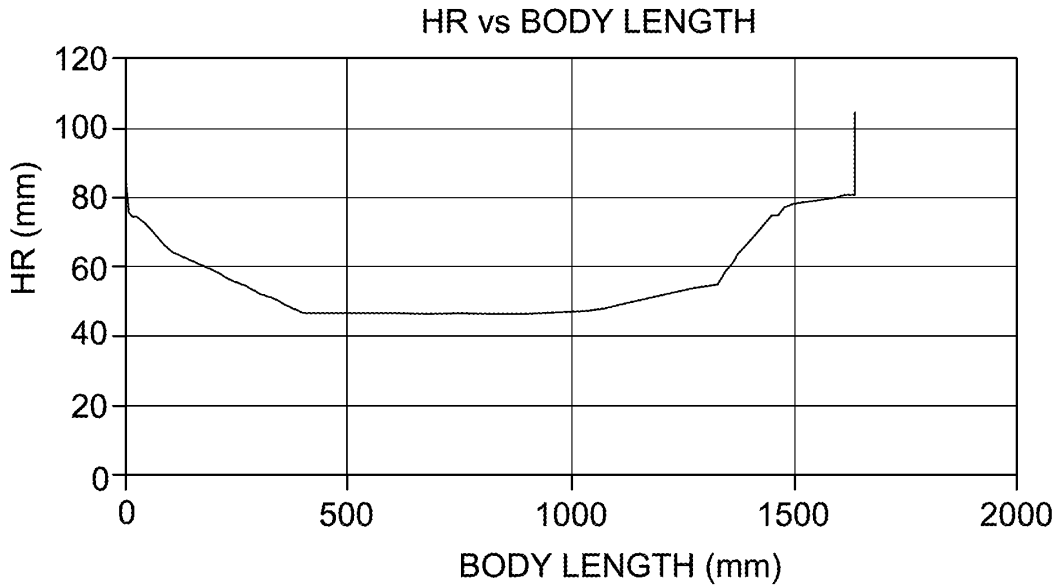
HR vs BODY LENGTH
120
100
80
60
40
20
0
HR (mm)
0
500
1000
1500
2000
BODY LENGTH (mm)

FIG. 7B

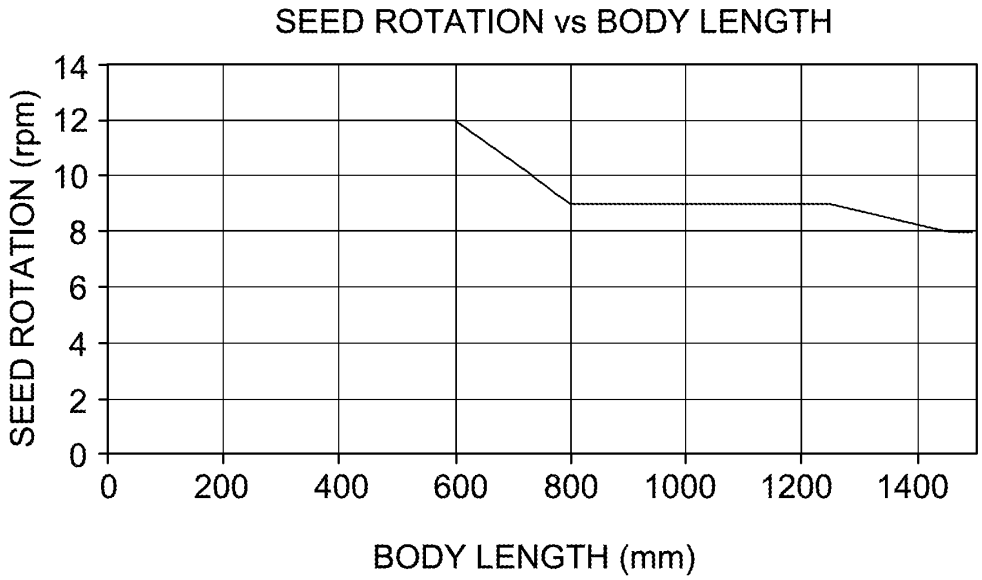
SEED ROTATION vs BODY LENGTH
SEED ROTATION (rpm)
14
12
10
8
6
4
2
0
0
200
400
600
800
1000
1200
1400
BODY LENGTH (mm)

FIG. 8A

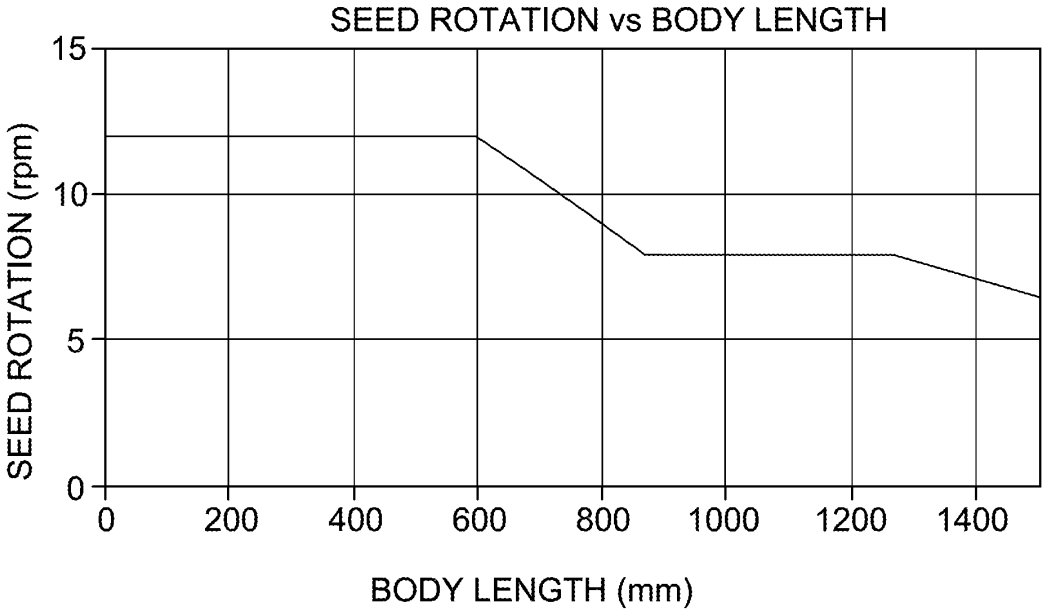
SEED ROTATION vs BODY LENGTH
SEED ROTATION (rpm)
15
10
5
0
0
200
400
600
800
1000
1200
1400
BODY LENGTH (mm)

FIG. 8B

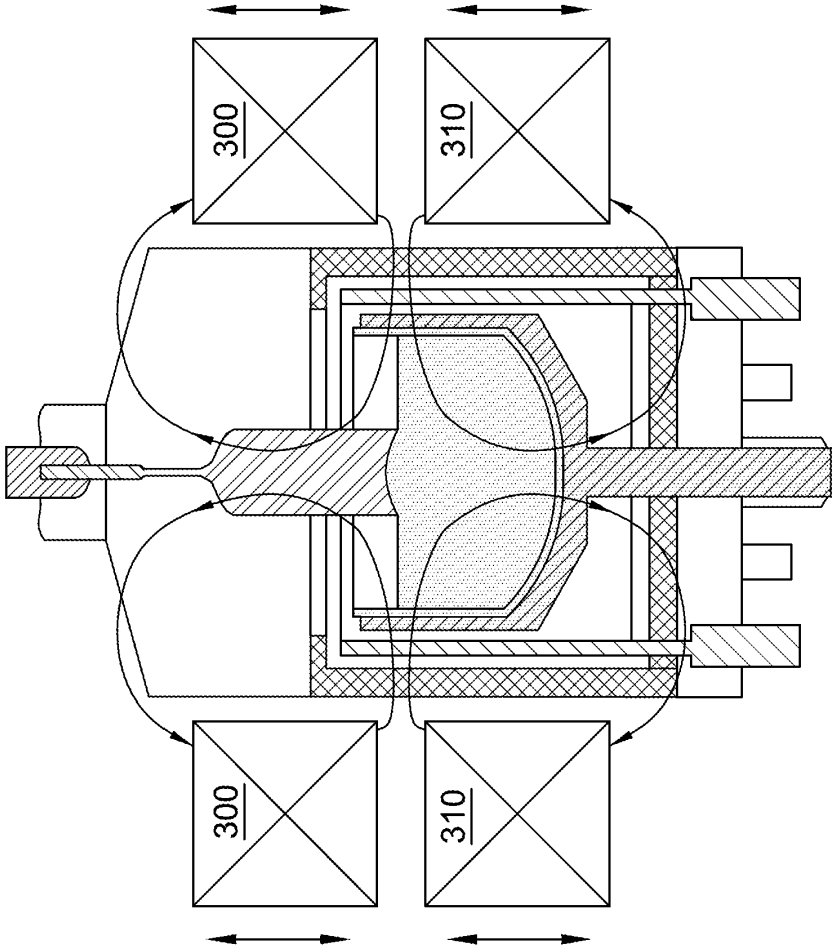

FIG. 9

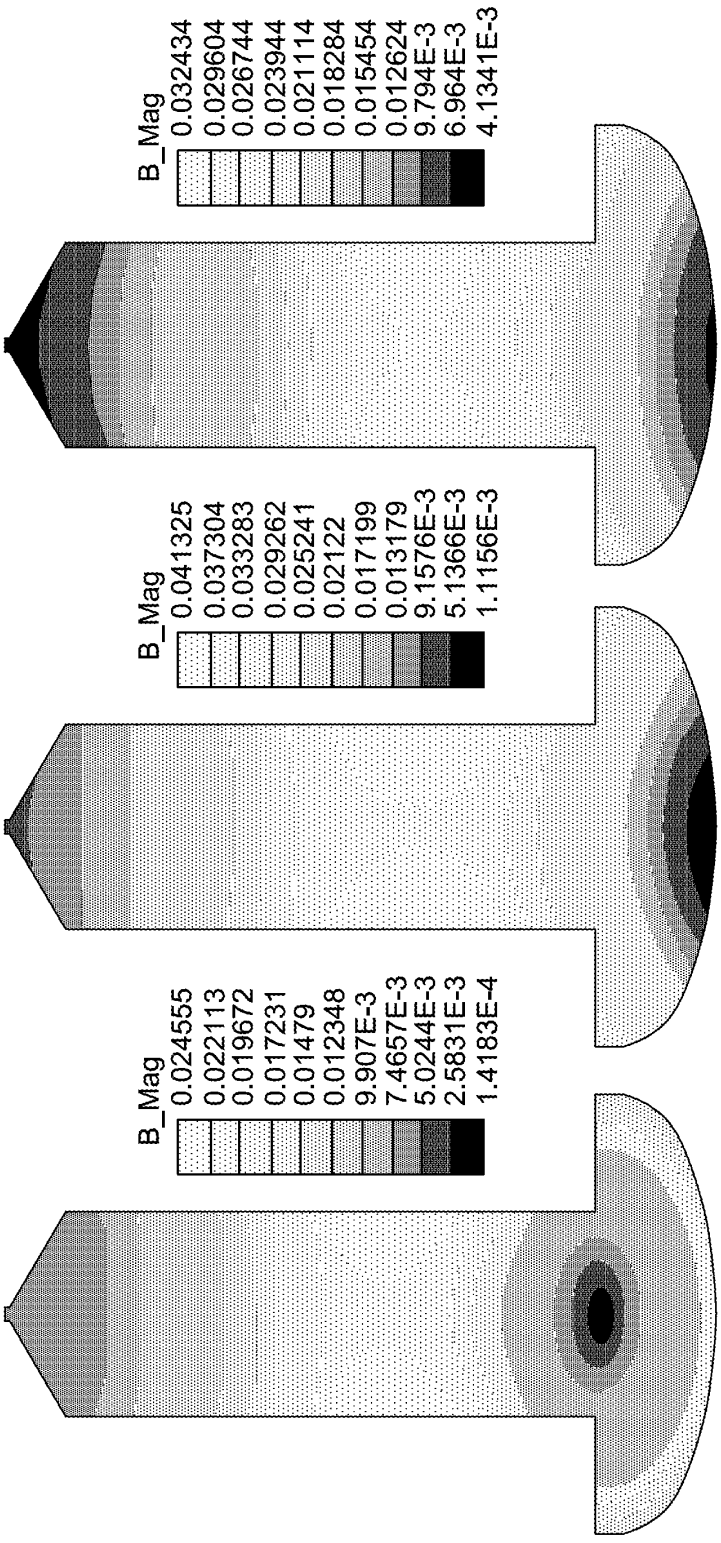

FIG. 10A FIG. 10B FIG. 10C

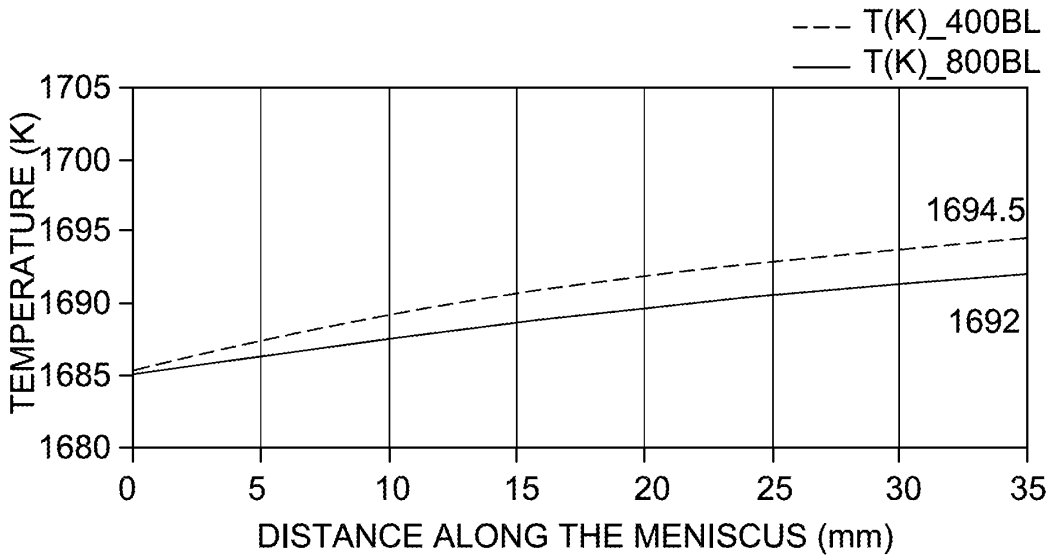

FIG. 11A

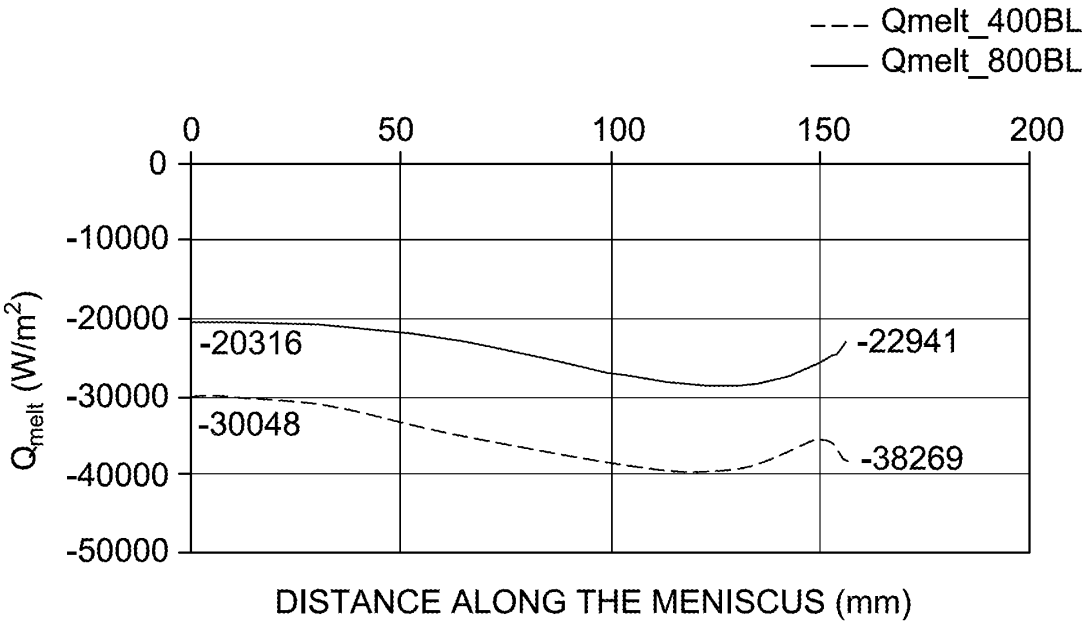

FIG. 11B

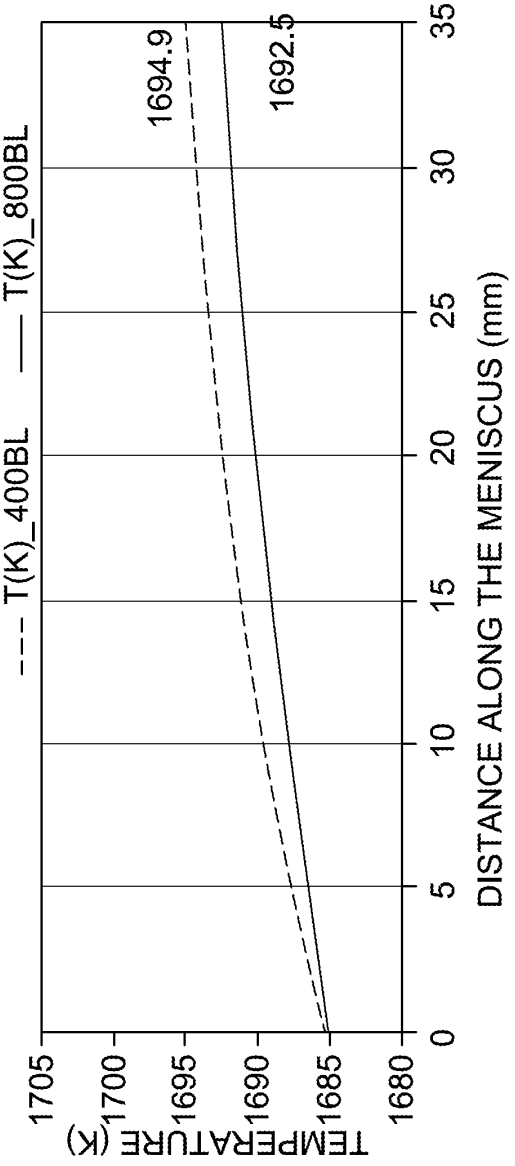

FIG. 12A

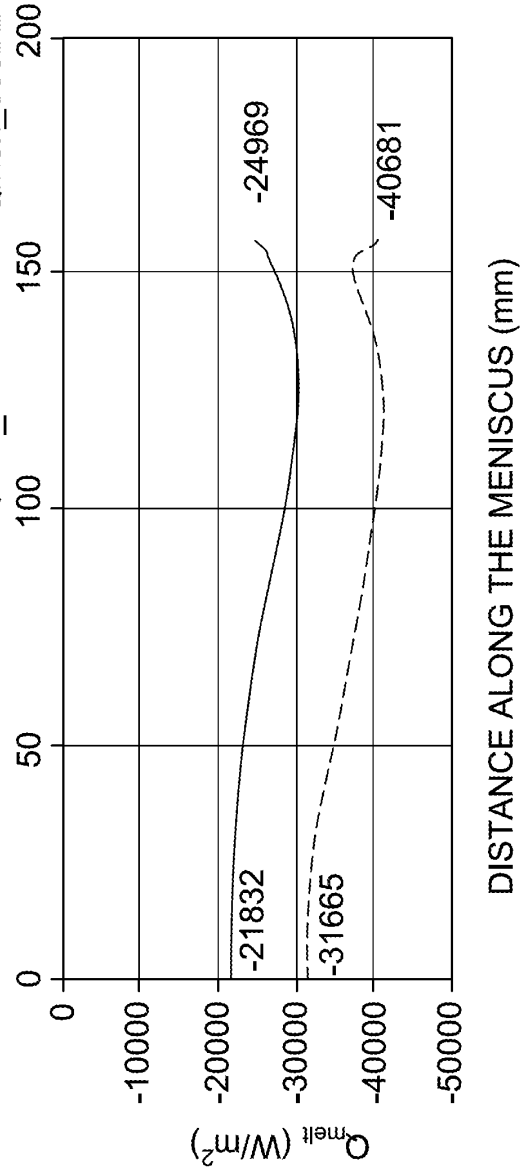

FIG. 12B

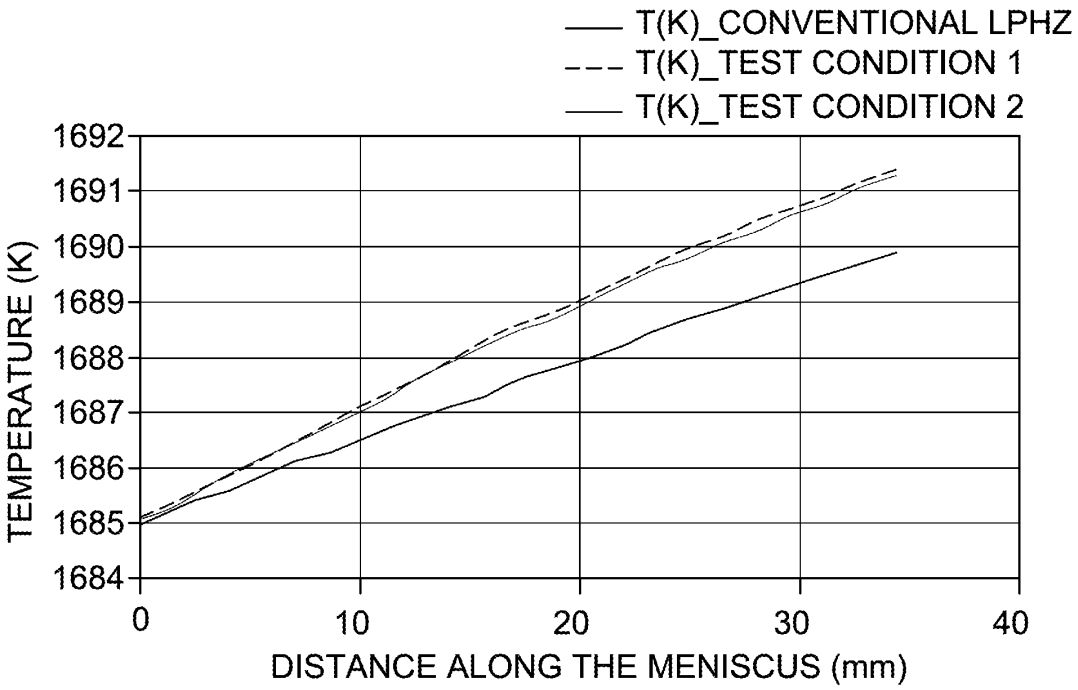

FIG. 13A

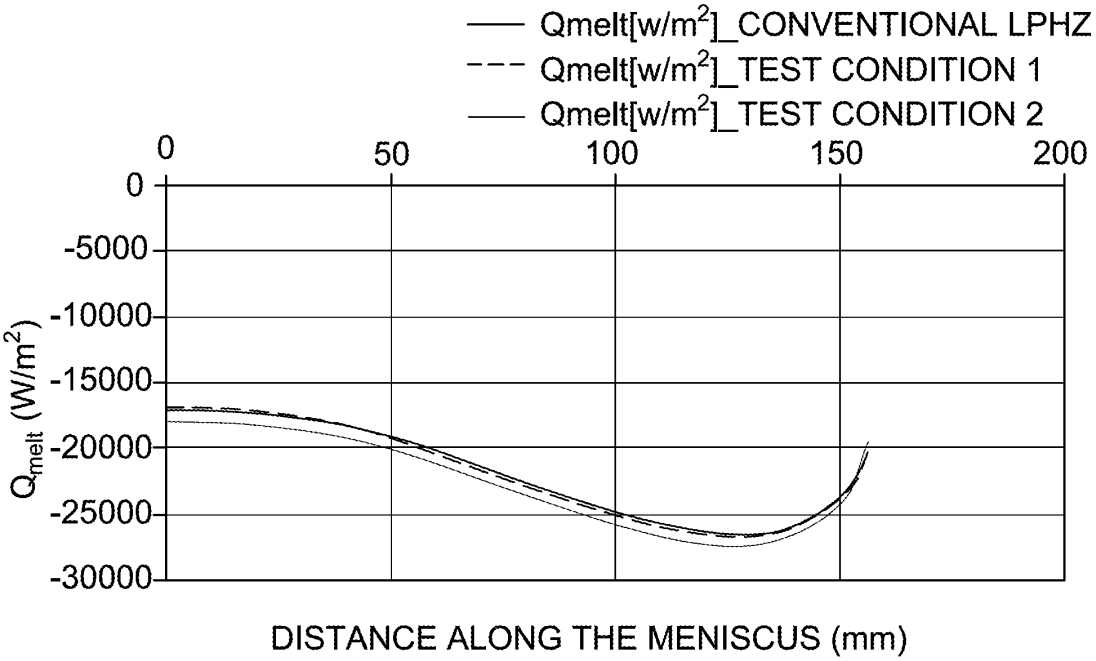

FIG. 13B

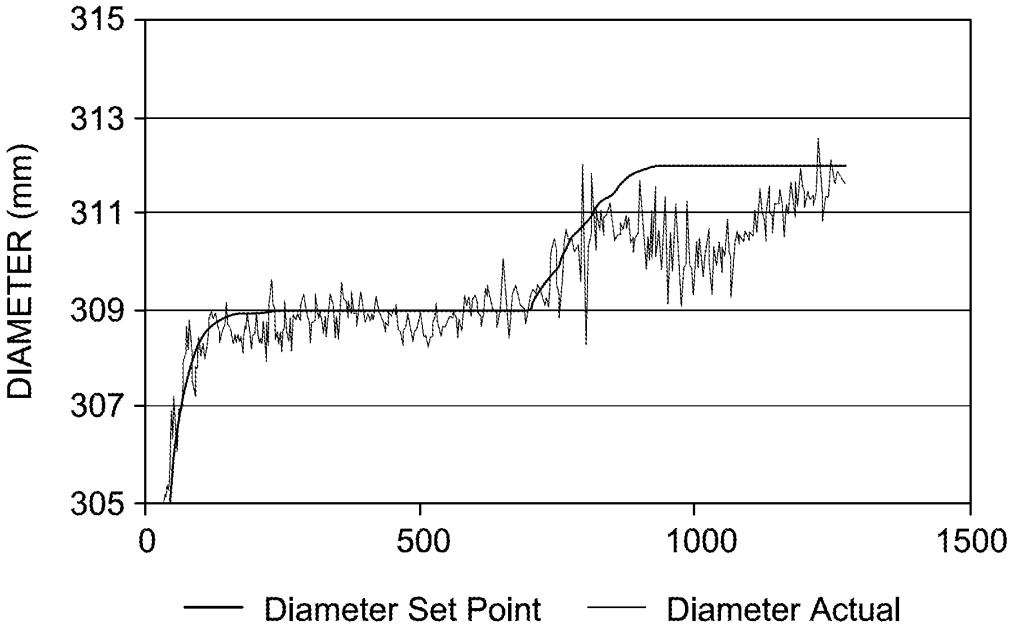

FIG. 14A

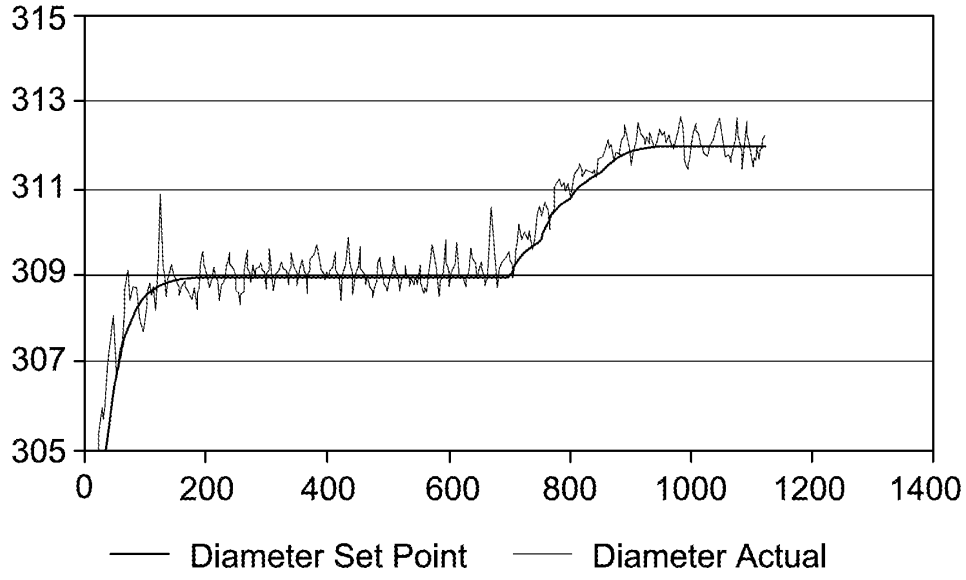

FIG. 14B