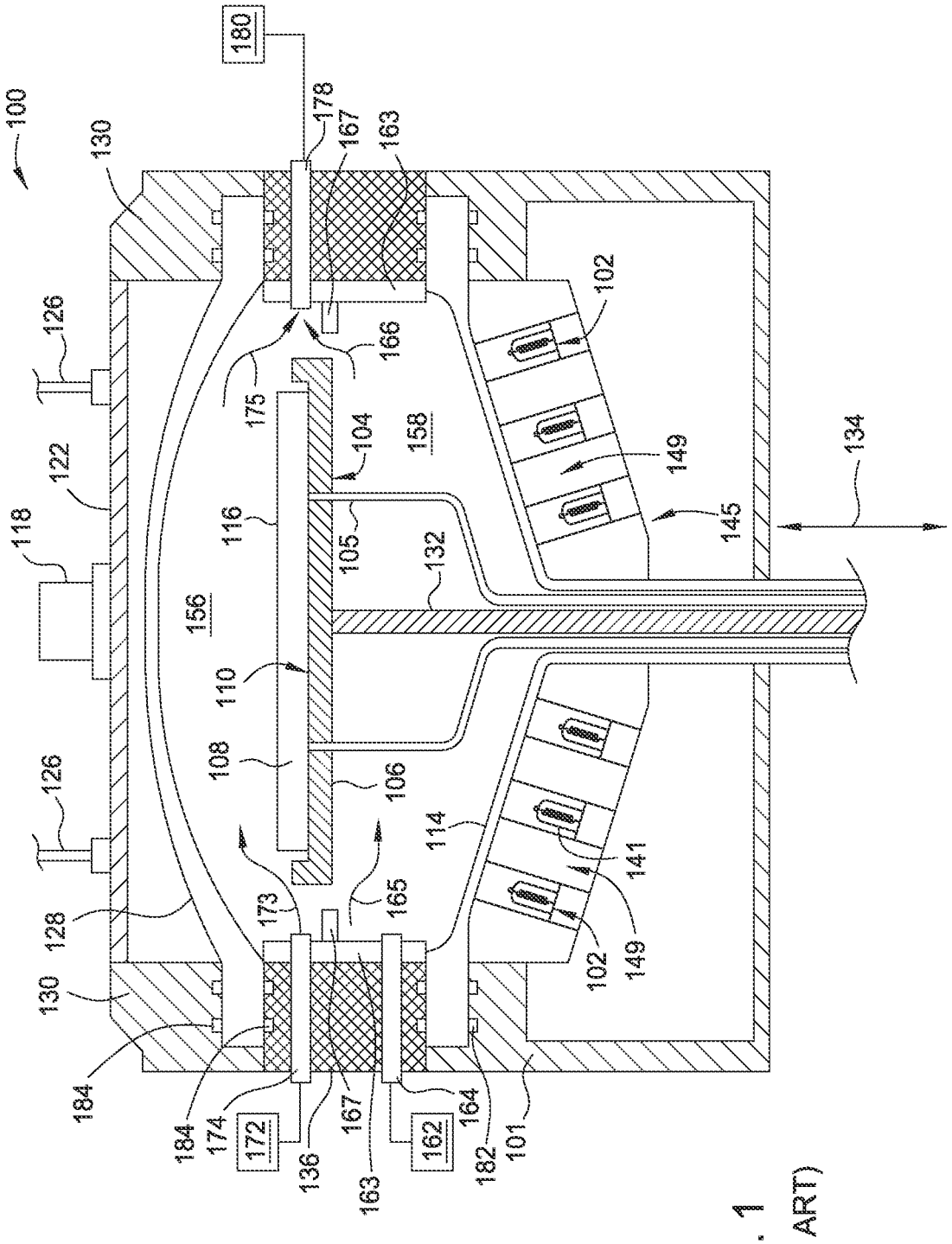


FIG. 1
(PRIOR ART)

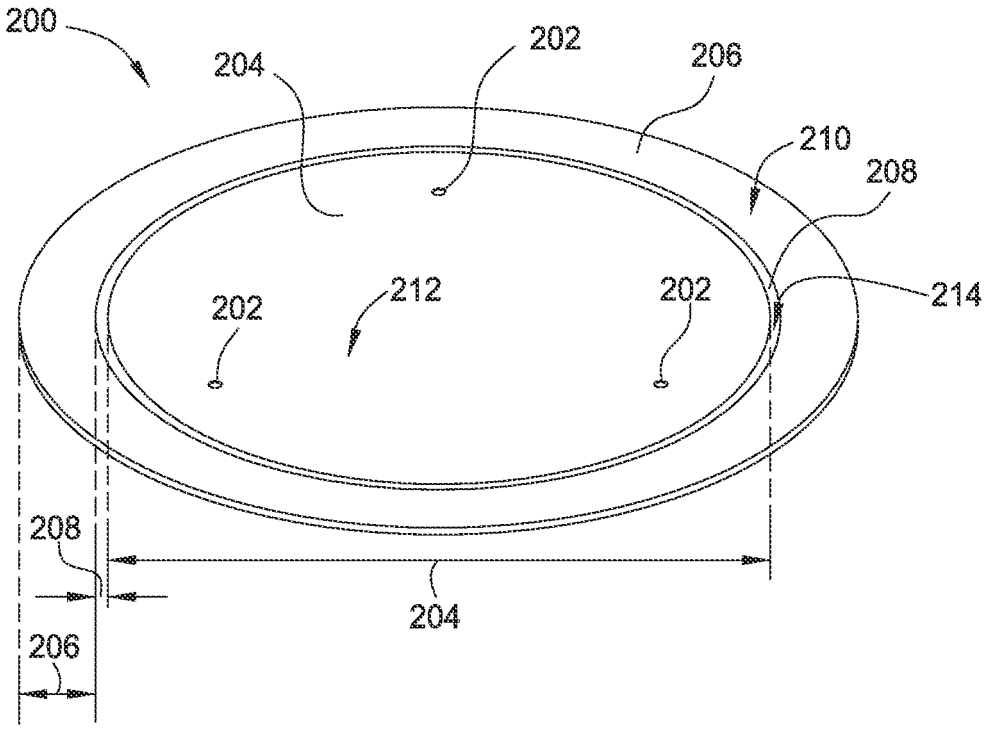

200
204
202
206
210
208
214
202
212
202
208
204
206

FIG. 2

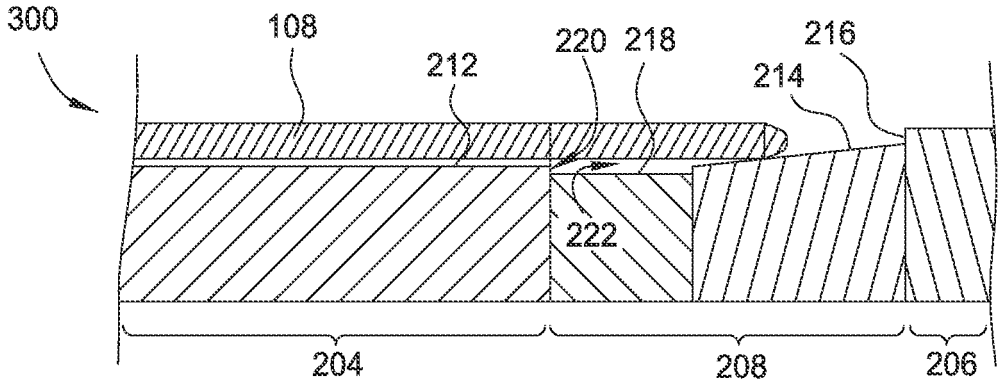

300
108
212
220
218
216
214
222
204
208
206

FIG. 3A

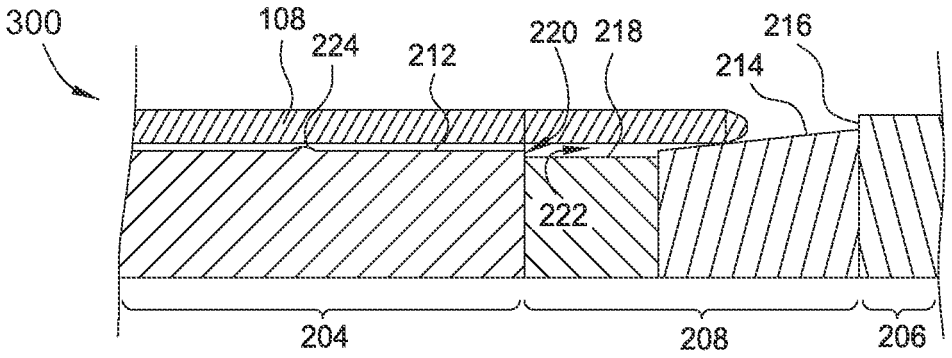

300
108
224
212
220
218
216
214
222
204
208
206

FIG. 3B

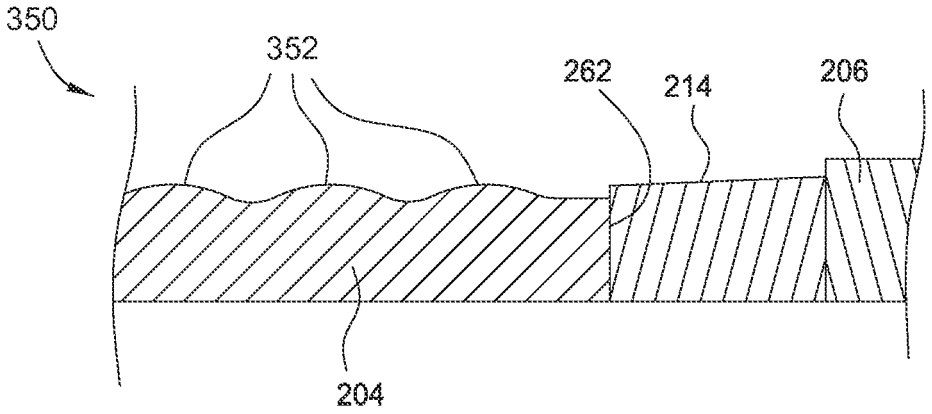

350
352
262
214
206
204

FIG. 3C

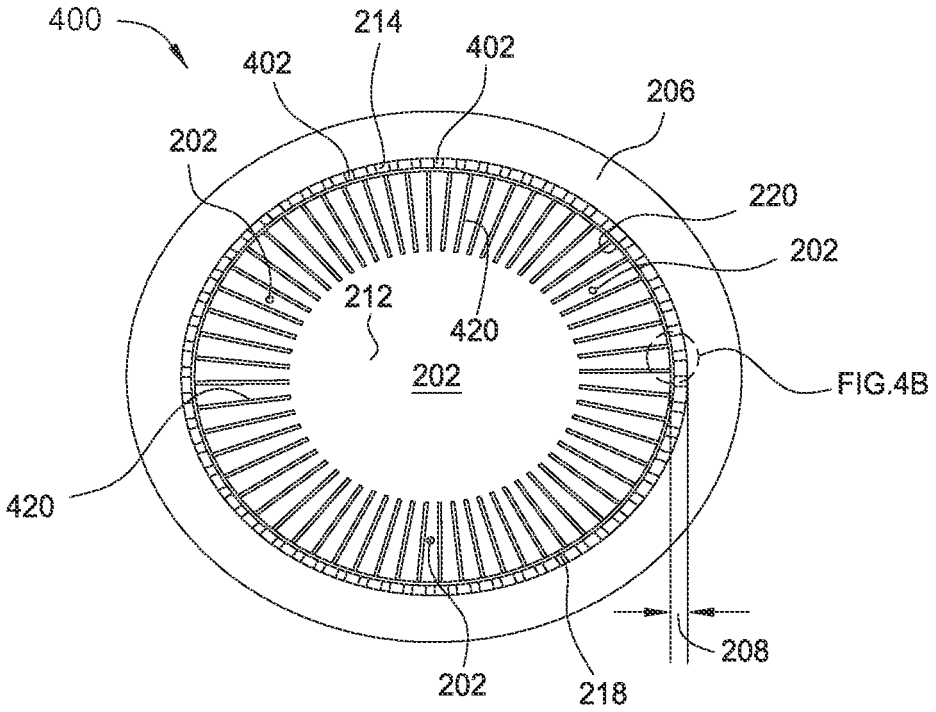

400
214
402
402
206
202
220
202
212
420
202
FIG.4B
420
208
202
218

FIG. 4A

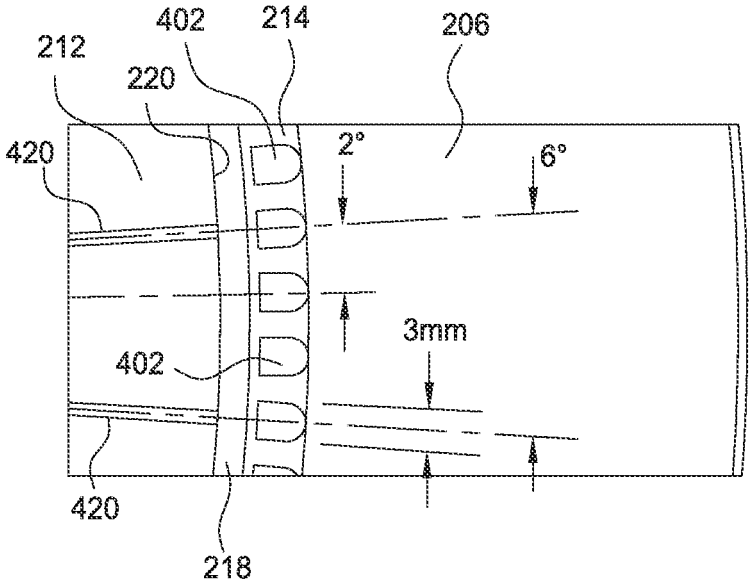

402
214
206
212
220
420
2°
6°
3mm
402
420
218

FIG. 4B

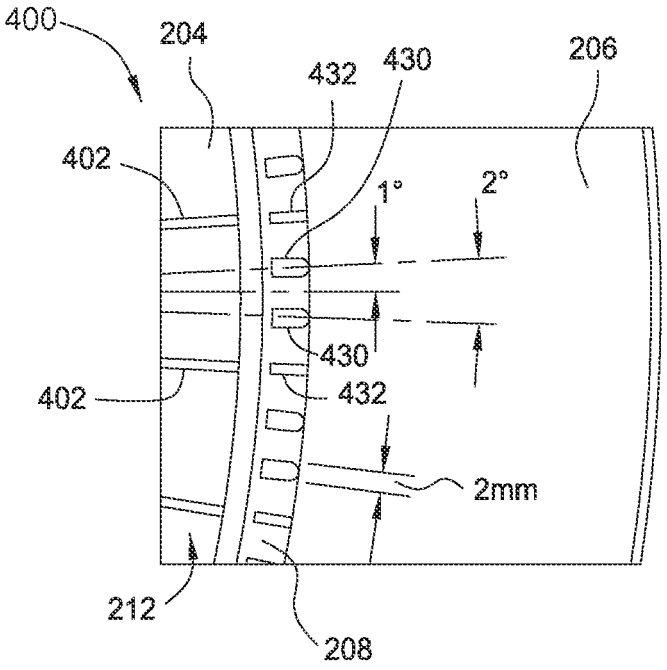

400
204
432
430
206
402
1°
2°
430
402
432
2mm
212
208

FIG. 4C

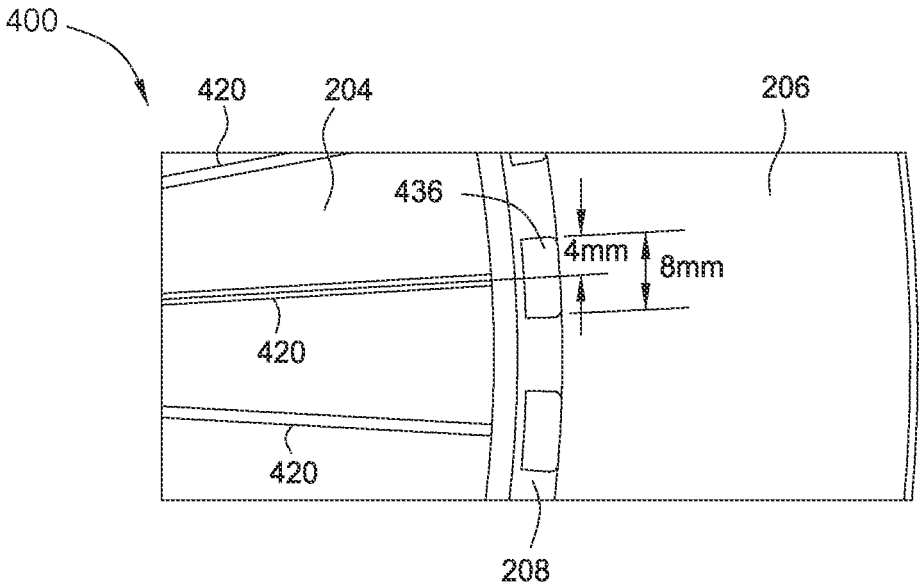

400
420
204
206
436
4mm
8mm
420
420
208

FIG. 4D

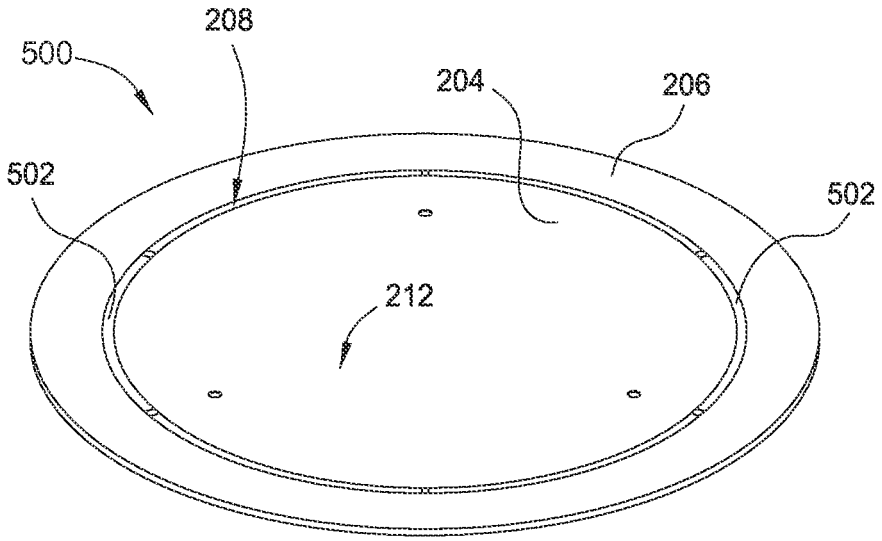

208
500
204
206
502
502
212

FIG. 5A

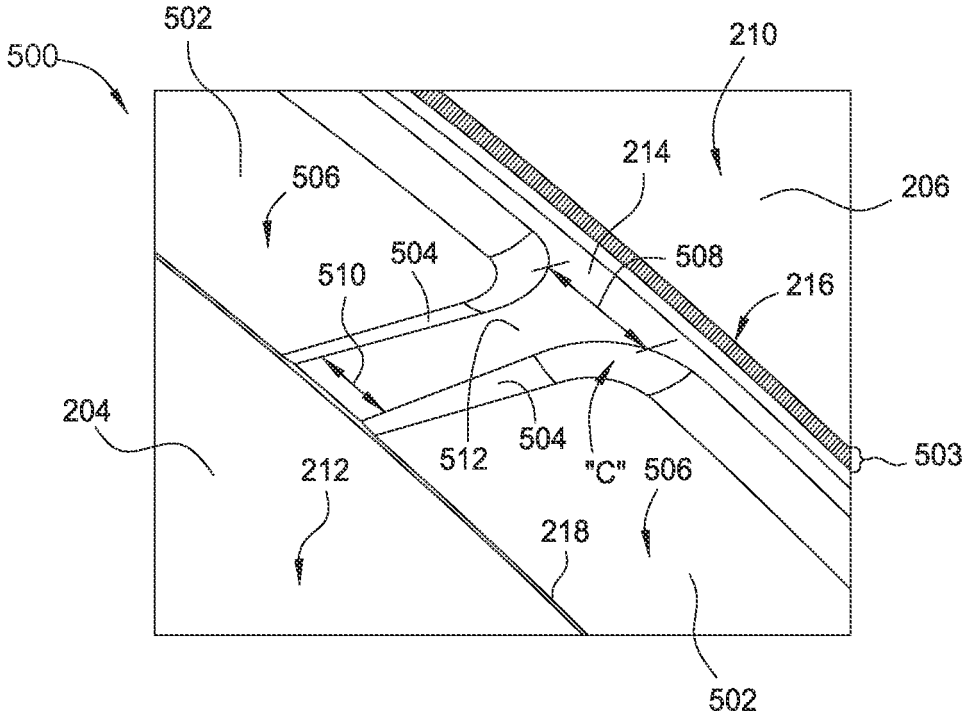

502
500
210
214
506
206
504
508
510
216
204
504
503
512
"C"
506
212
218
502

FIG. 5B

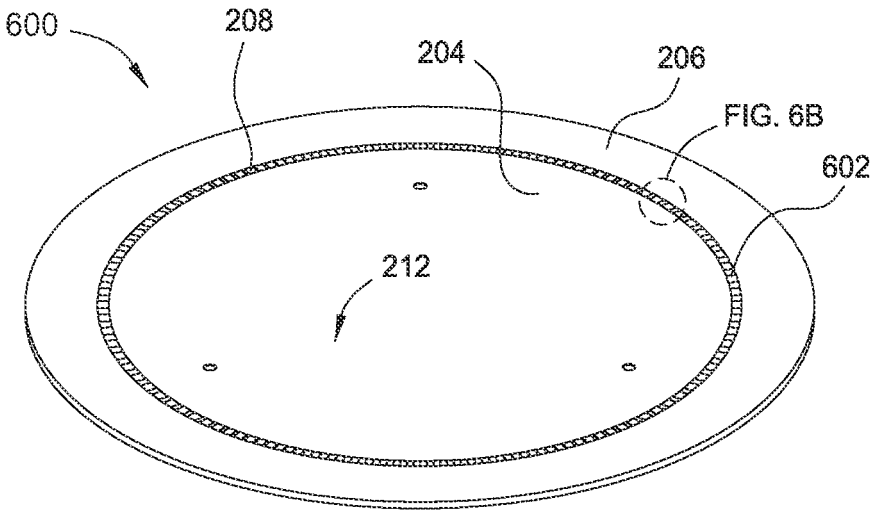

600
208
204
206
FIG. 6B
602
212

FIG. 6A

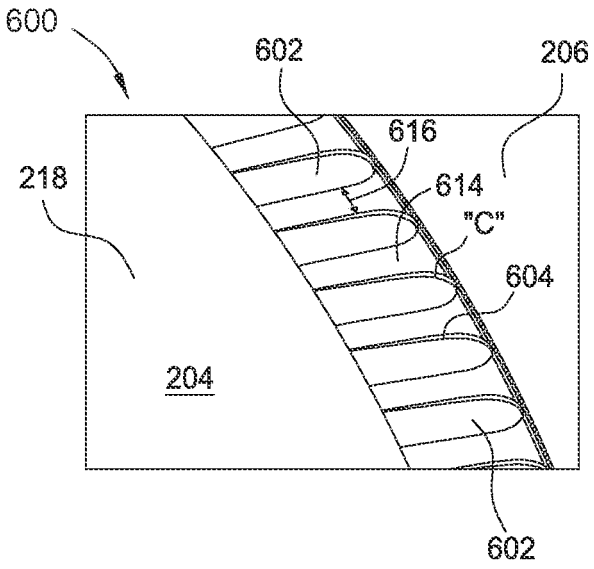
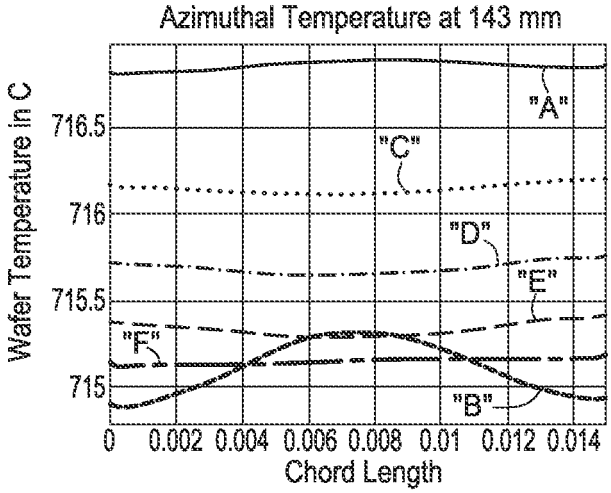

600
602
206
616
218
614
"C"
604
204
602

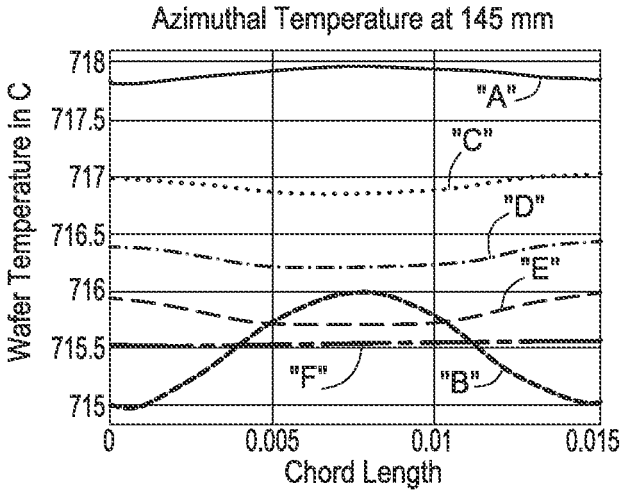
FIG. 6B

FIG. 7A



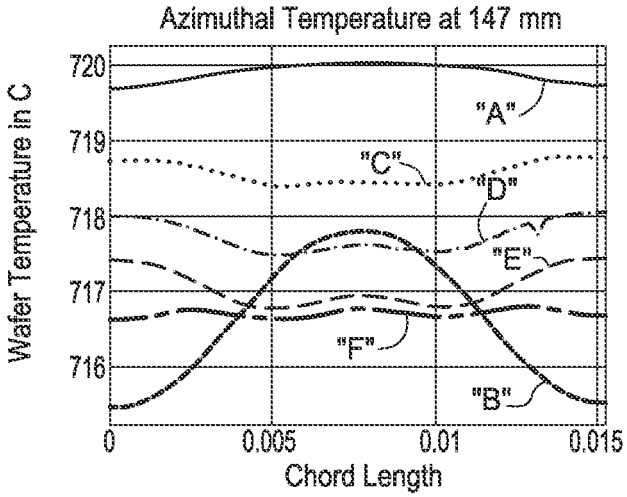
"A" Base Case (5.62deg=14.79mm of contact)
"B" Large Slot (2.86deg=7.52mm of contact)
"C" Small Slot (4.1deg=10.79mm of contact)
"D" Small Slot (3.372deg=8.87mm of contact)
"E" Small Slot (2.86deg=7.52mm of contact)
"F" Small Slot (2.58deg=6.79mm of contact)

FIG. 7B



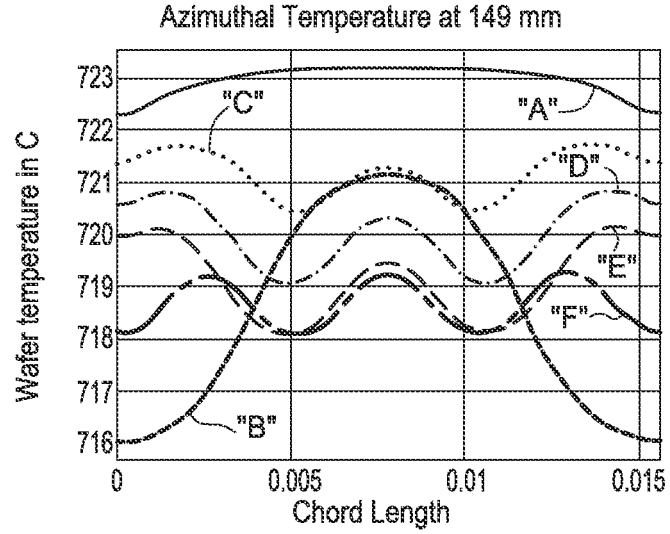
"A" Base Case (5.62deg=14.79mm of contact)
"B" Large Slot (2.86deg=7.52mm of contact)
"C" Small Slot (4.1deg=10.79mm of contact)
"D" Small Slot (3.372deg=8.87mm of contact)
"E" Small Slot (2.86deg=7.52mm of contact)
"F" Small Slot (2.58deg=6.79mm of contact)

FIG. 7C



"A" Base Case (5.62deg=14.79mm of contact)
"B" Large Slot (2.86deg=7.52mm of contact)
"C" Small Slot (4.1deg=10.79mm of contact)
"D" Small Slot (3.372deg=8.87mm of contact)
"E" Small Slot (2.86deg=7.52mm of contact)
"F" Small Slot (2.58deg=6.79mm of contact)

FIG. 7D



"A" Base Case (5.62deg=14.79mm of contact)
"B" Large Slot (2.86deg=7.52mm of contact)
"C" Small Slot (4.1deg=10.79mm of contact)
"D" Small Slot (3.372deg=8.87mm of contact)
"E" Small Slot (2.86deg=7.52mm of contact)
"F" Small Slot (2.58deg=6.79mm of contact)

FIG. 8A

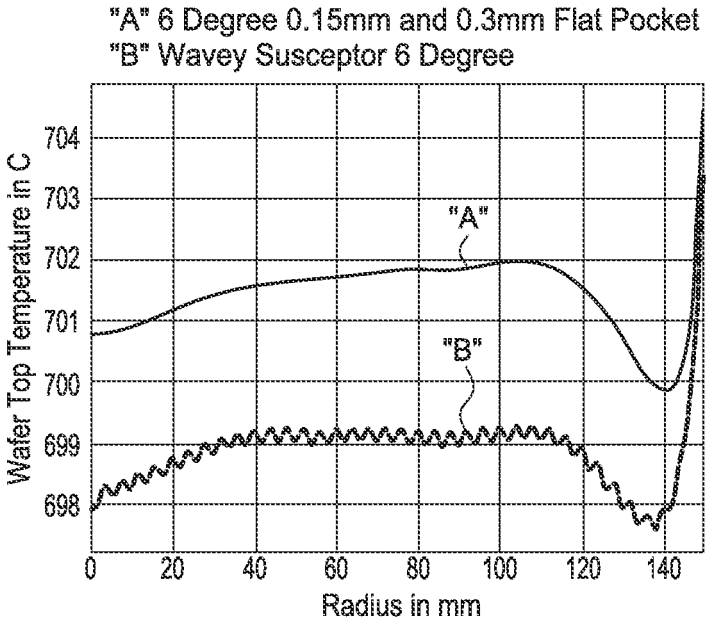

"A" 6 Degree 0.15mm and 0.3mm Flat Pocket
"B" Wavey Susceptor 6 Degree
Wafer Top Temperature in C
704
703
702
701
700
699
698
"A"
"B"
0
20
40
60
80
100
120
140
Radius in mm

FIG. 8B

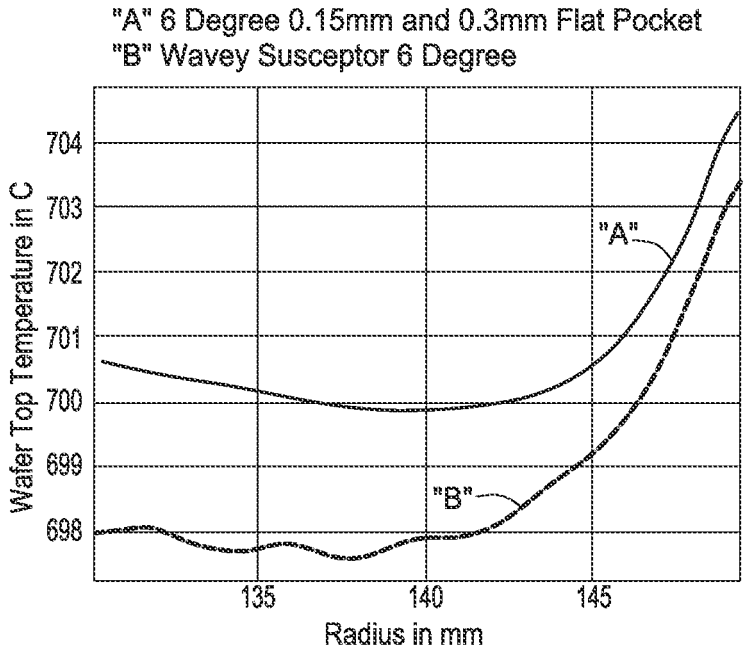

"A" 6 Degree 0.15mm and 0.3mm Flat Pocket
"B" Wavey Susceptor 6 Degree
Wafer Top Temperature in C
704
703
702
701
700
699
698
"A"
"B"
135
140
145
Radius in mm

FIG. 9A

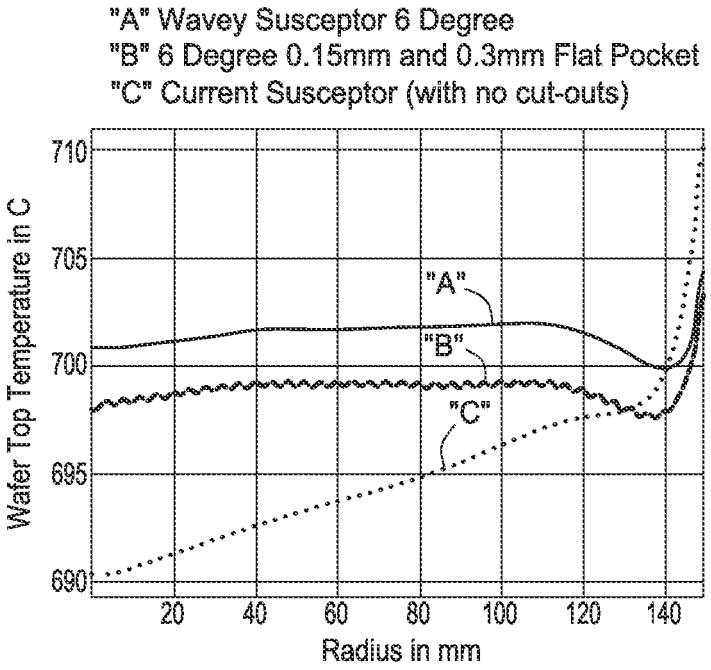
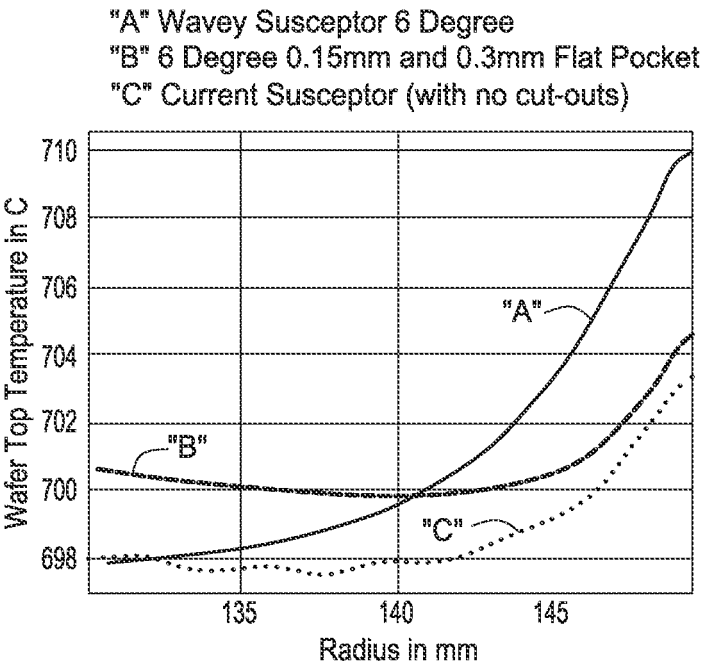

"A" Wavey Susceptor 6 Degree
"B" 6 Degree 0.15mm and 0.3mm Flat Pocket
"C" Current Susceptor (with no cut-outs)
Wafer Top Temperature in C
710
705
700
695
690
"A"
"B"
"C"
20
40
60
80
100
120
140
Radius in mm

FIG. 9B


"A" Wavey Susceptor 6 Degree
"B" 6 Degree 0.15mm and 0.3mm Flat Pocket
"C" Current Susceptor (with no cut-outs)
Wafer Top Temperature in C
710
708
706
704
702
700
698
"A"
"B"
"C"
135
140
145
Radius in mm