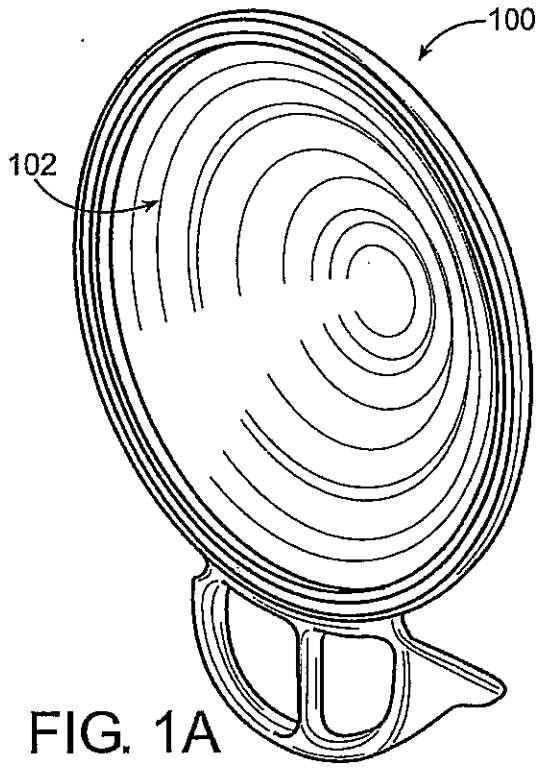


FIG. 1A

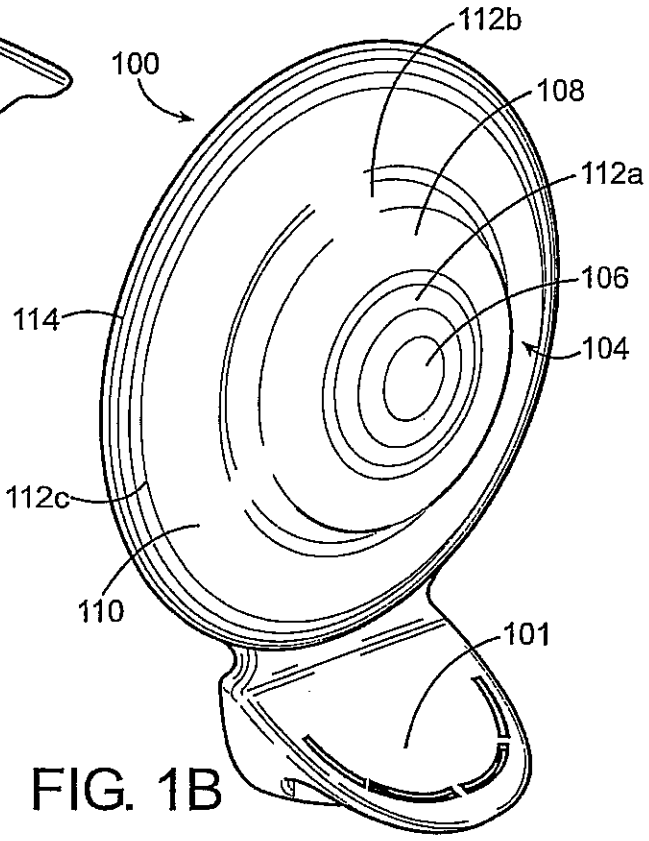


FIG. 1B

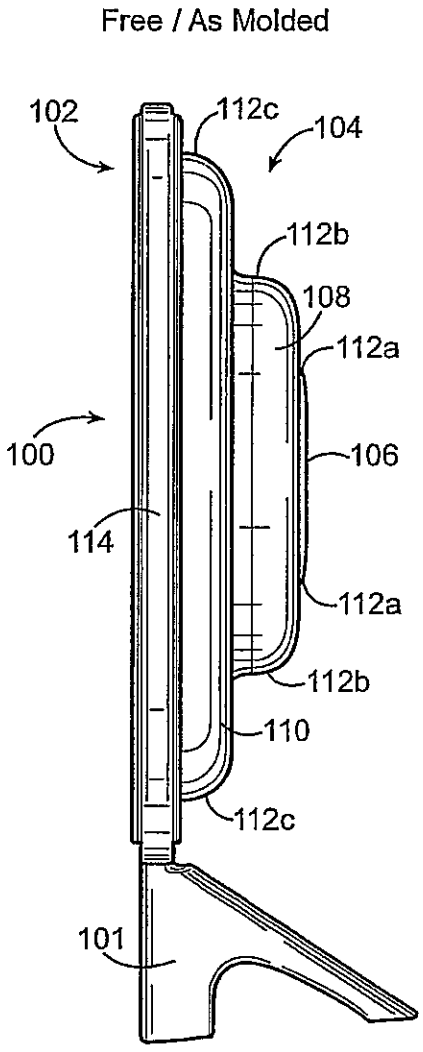

Free / As Molded
102
112c
104
112b
108
112a
100
106
114
112a
112b
110
112c
101

FIG. 2

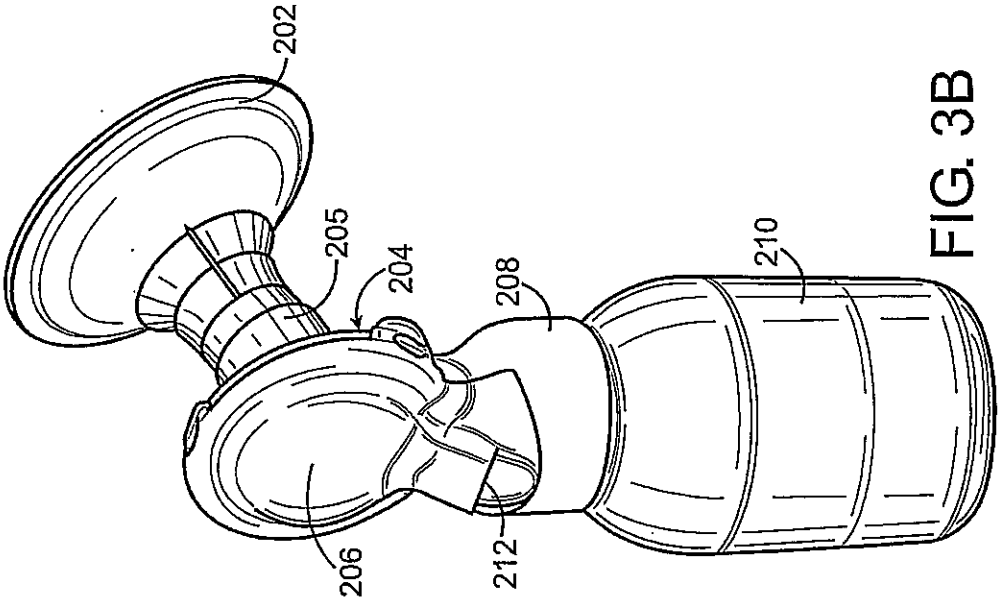


FIG. 3B

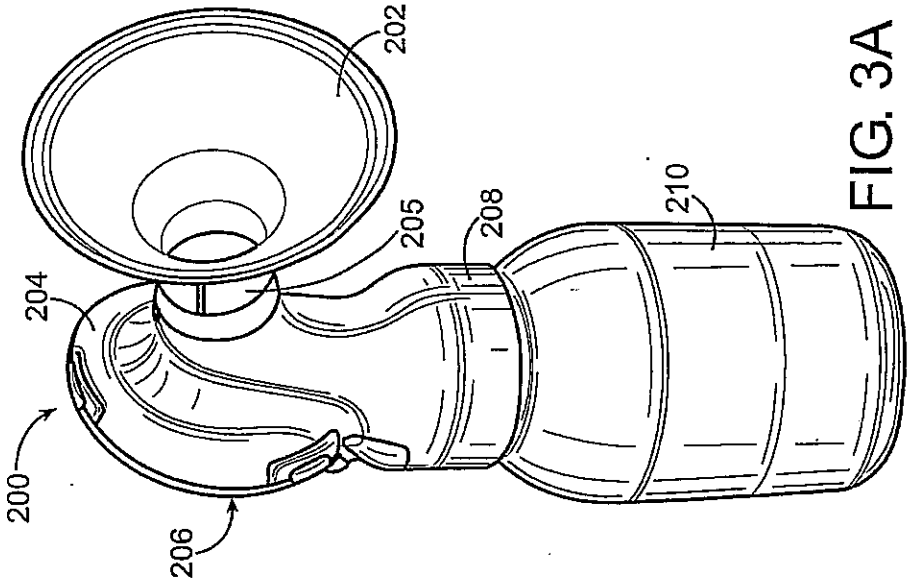


FIG. 3A

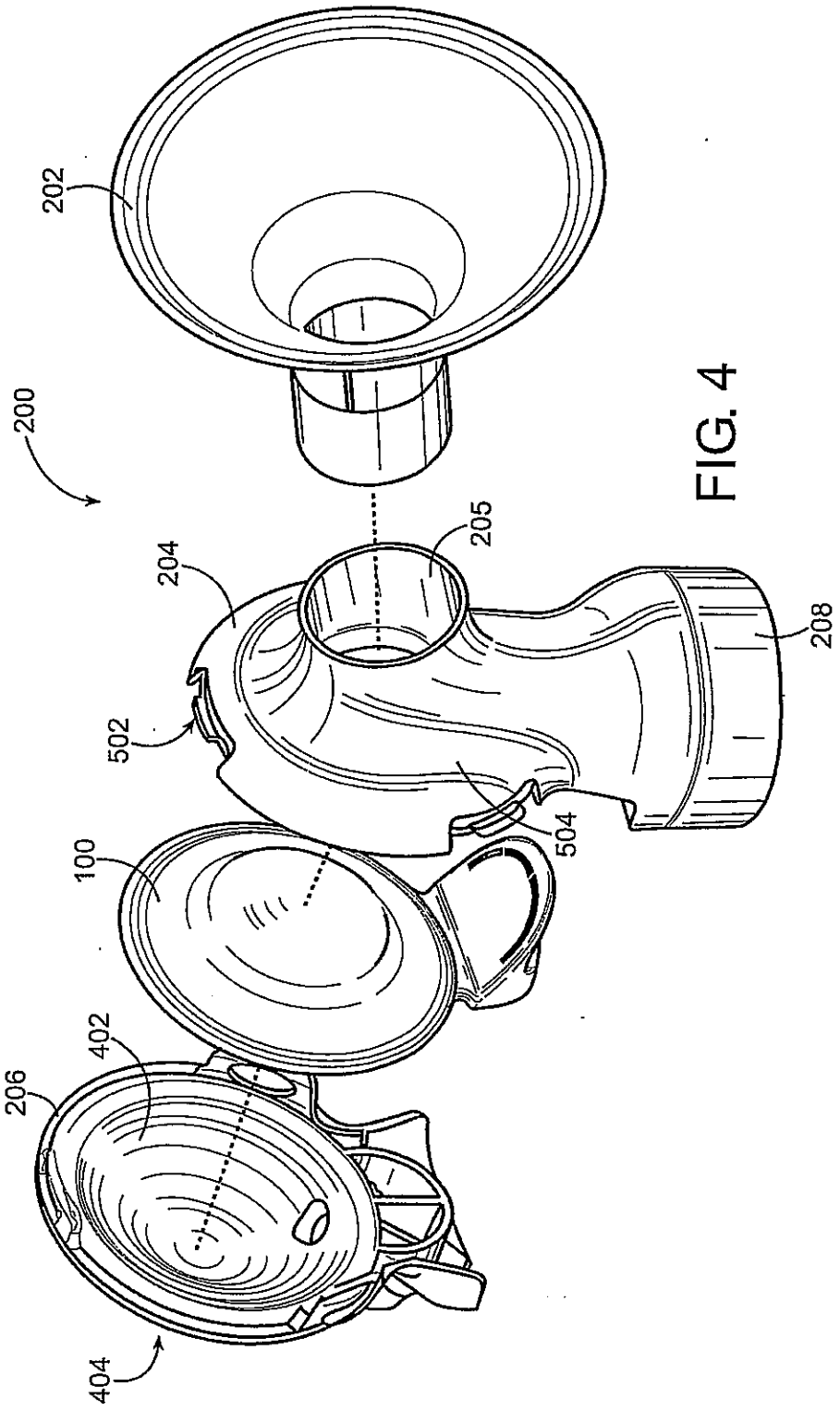


FIG. 4

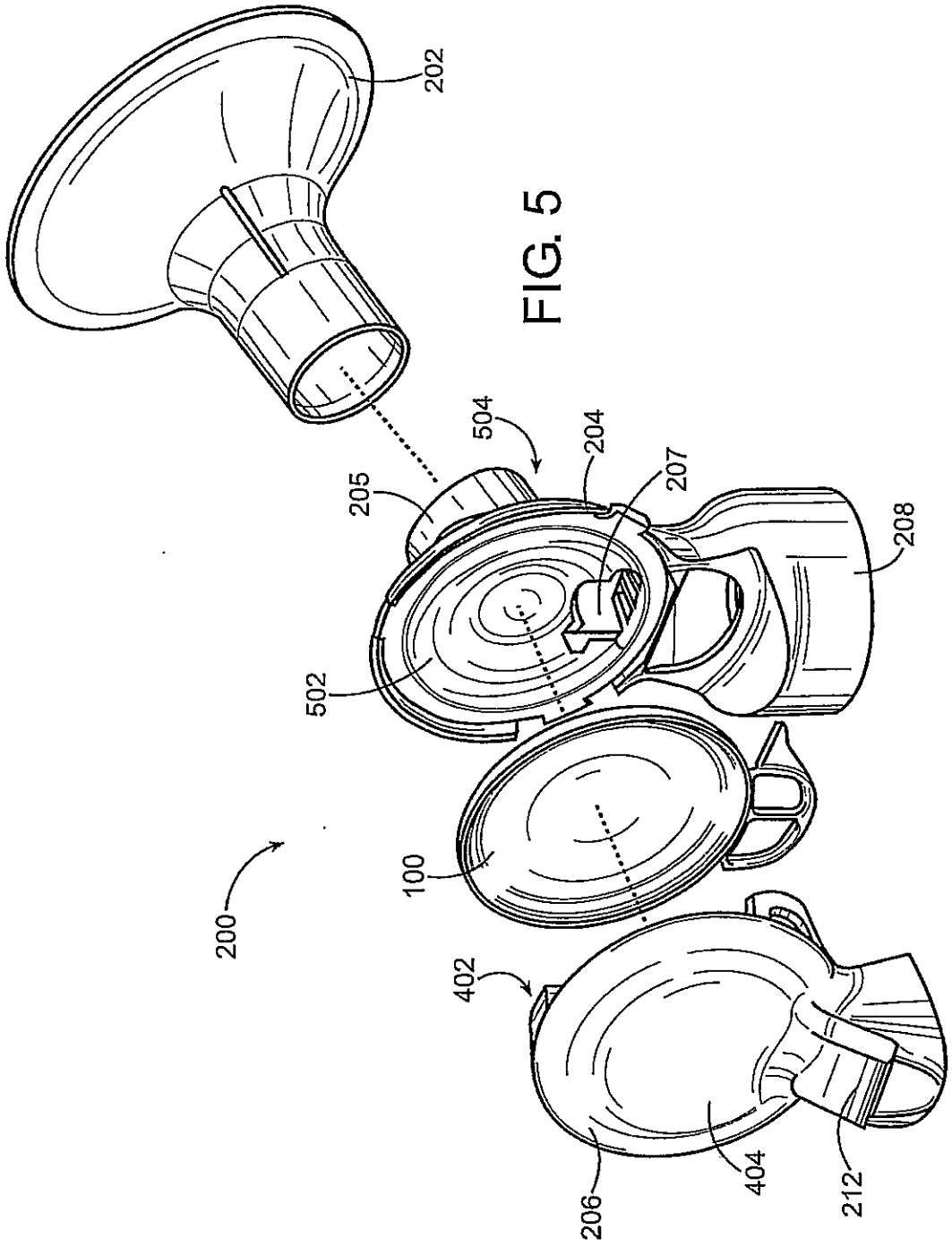


FIG. 5

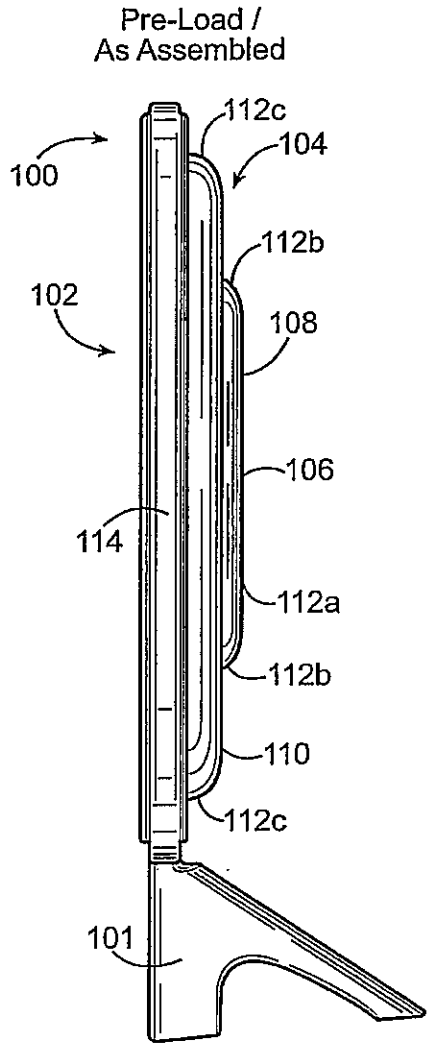

Pre-Load /
As Assembled
100
112c
104
112b
102
108
106
114
112a
112b
110
112c
101

FIG. 6A

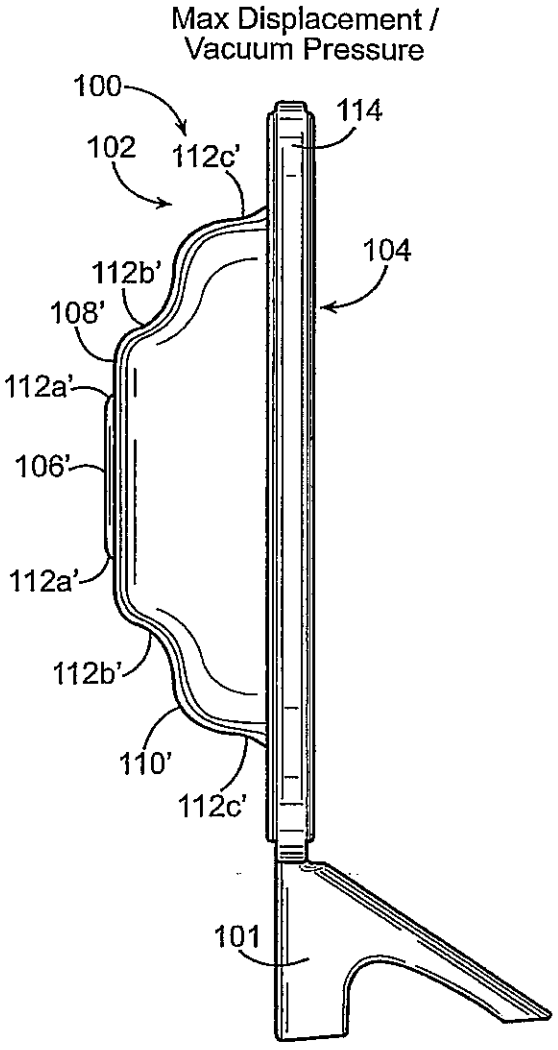

Max Displacement /
Vacuum Pressure
100
114
102
112c'
104
112b'
108'
112a'
106'
112a'
112b'
110'
112c'
101

FIG. 6B

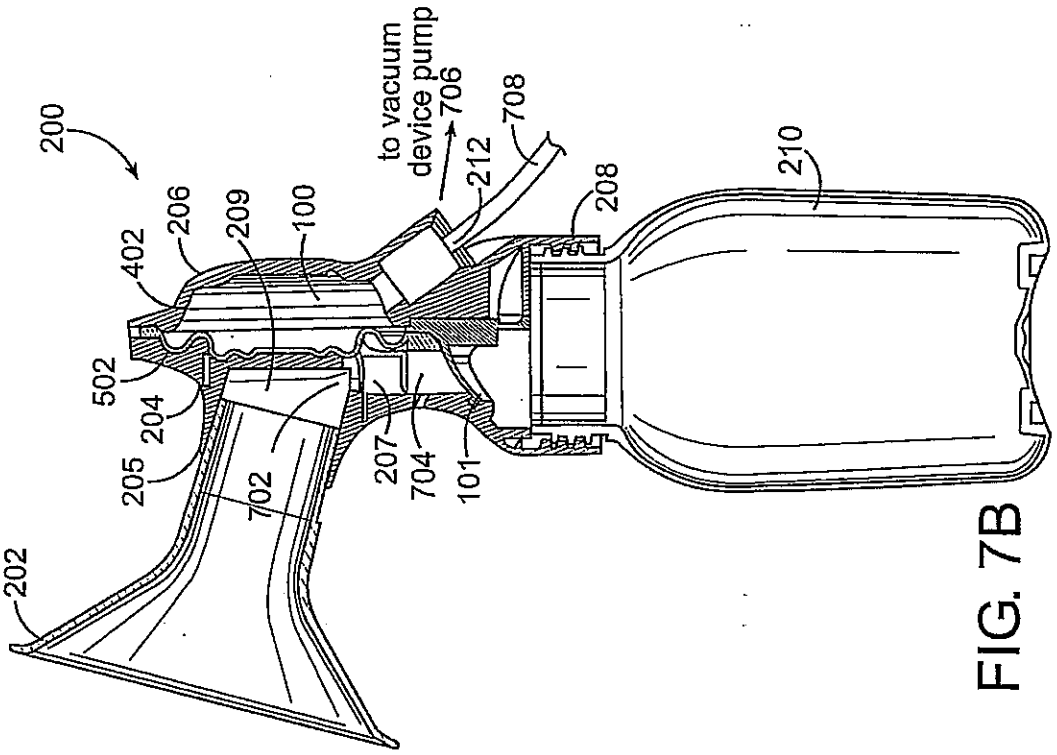

200
206
209
100
to vacuum device pump
706
708
212
208
210
402
502
204
205
202
702
207
704
101

FIG. 7B

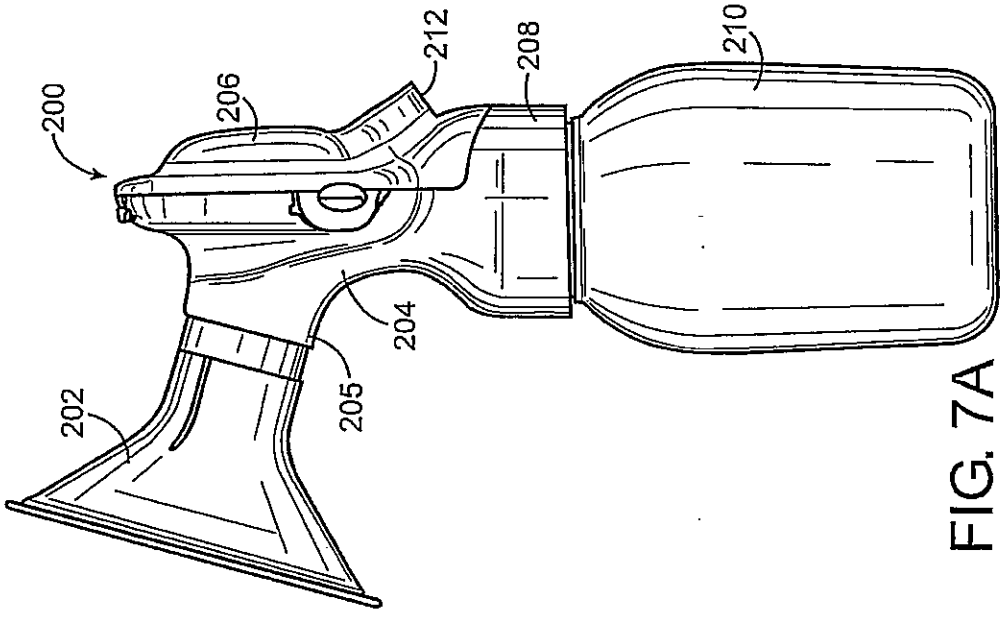

200
206
212
208
210
204
205
202

FIG. 7A

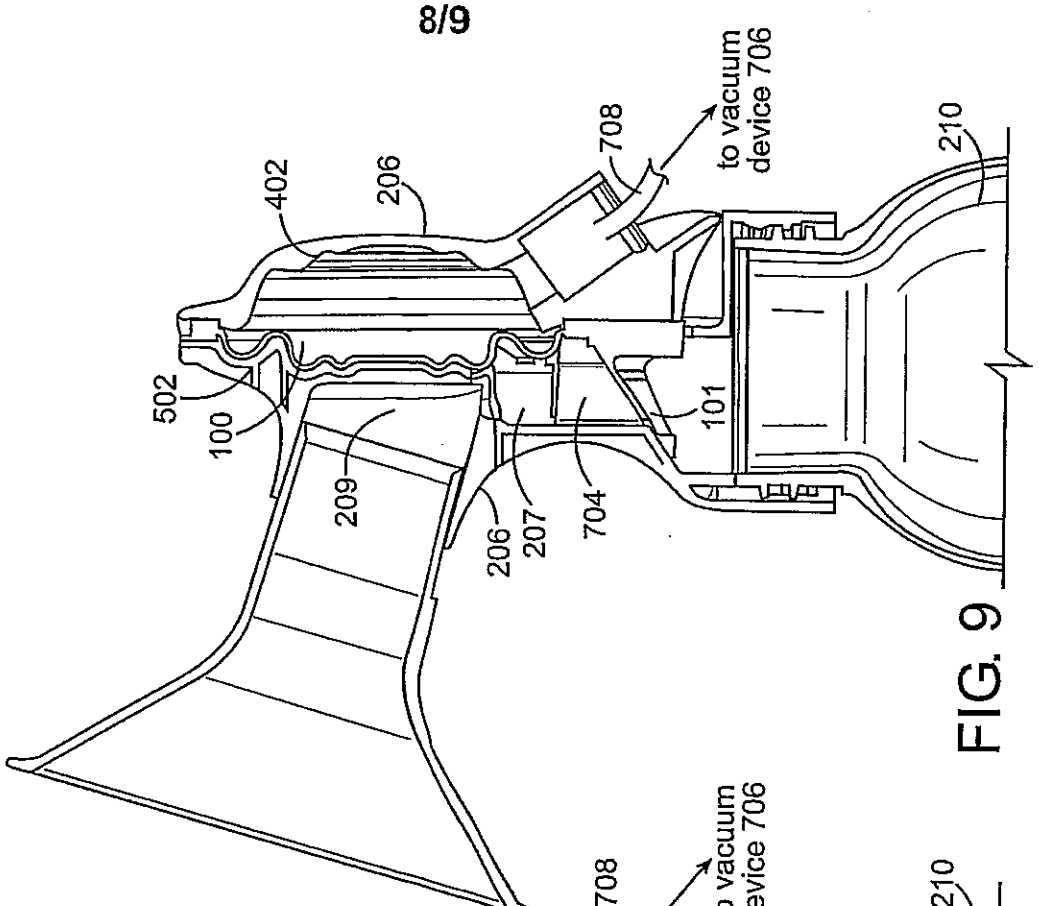

402
206
708
to vacuum device 706
210
502
100
209
206
207
704
101

FIG. 9

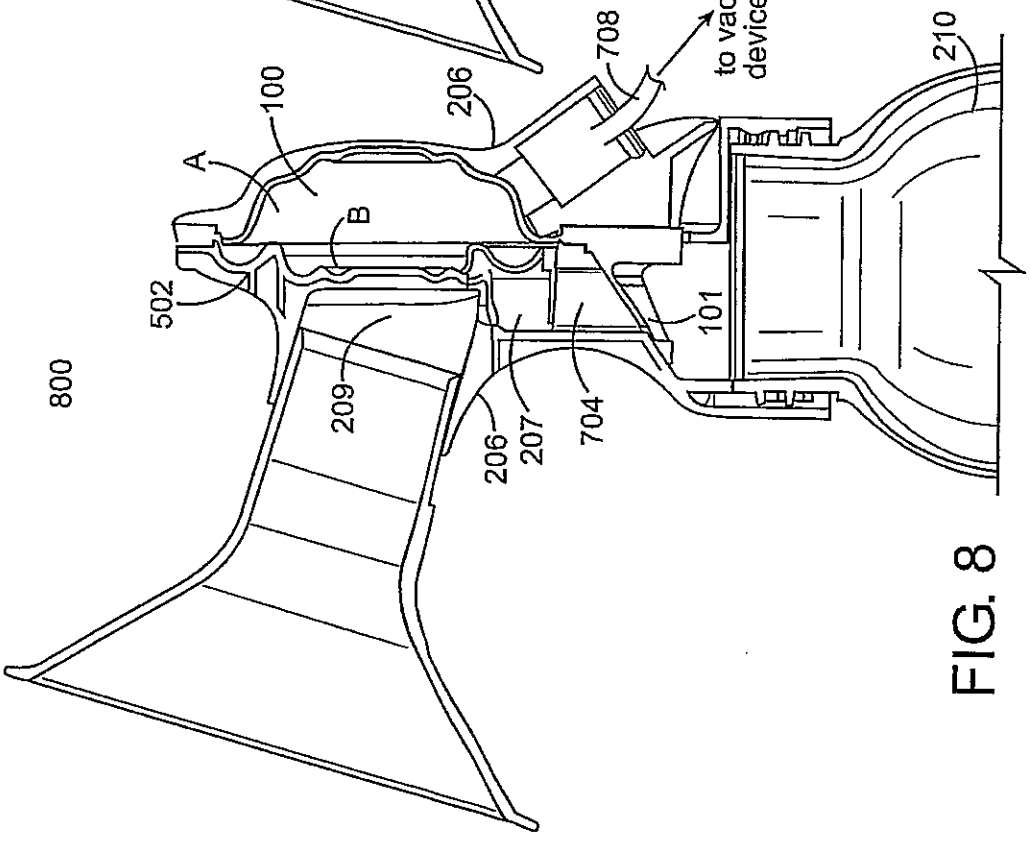

800
A
B
100
206
708
to vacuum device 706
210
502
209
206
207
704
101

FIG. 8

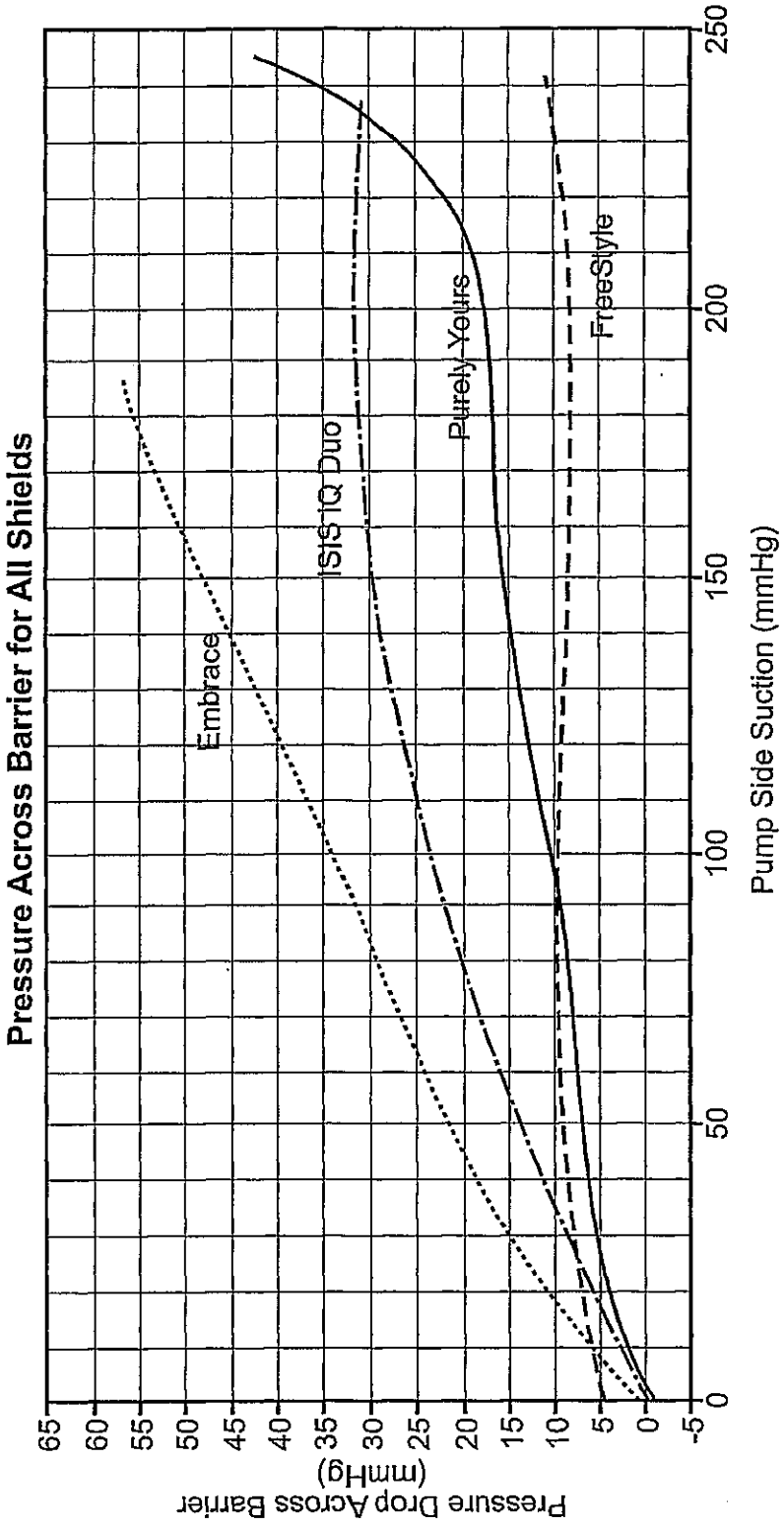

Pressure Across Barrier for All Shields
Pressure Drop Across Barrier (mmHg)
65
60
55
50
45
40
35
30
25
20
15
10
5
0
-5
Pump Side Suction (mmHg)
0
50
100
150
200
250
Embrace
ISIS IQ Duo
Purely Yours
FreeStyle

FIG. 10