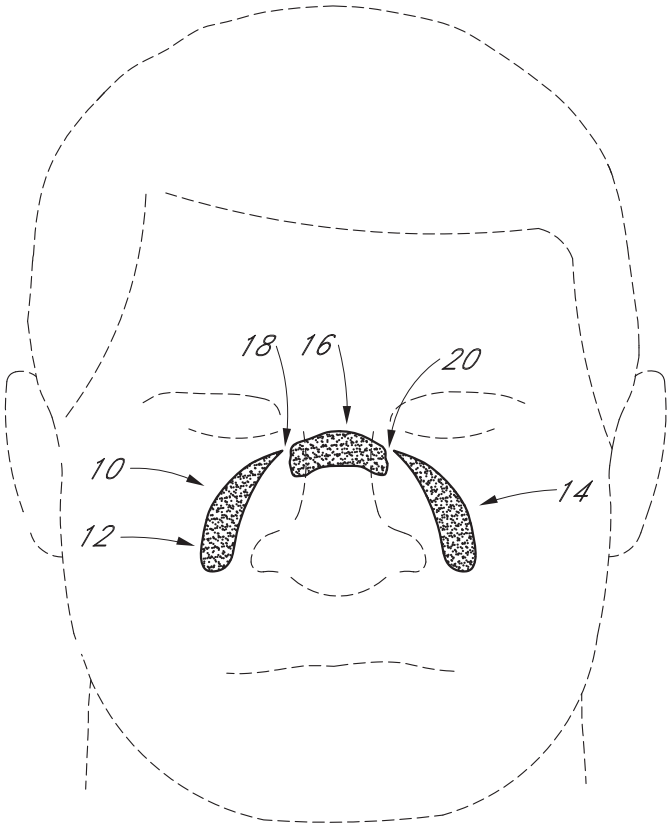



Fig. 1

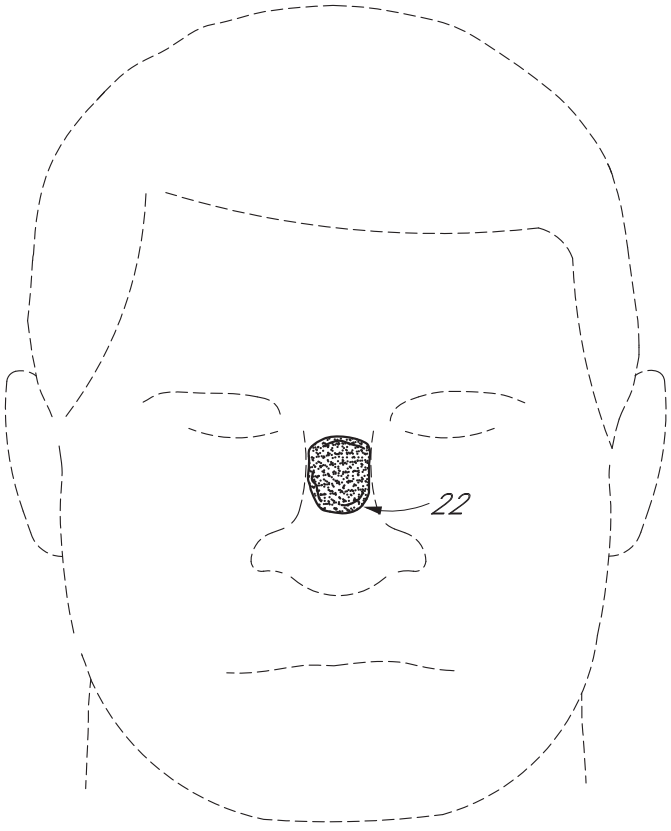



Fig. 2

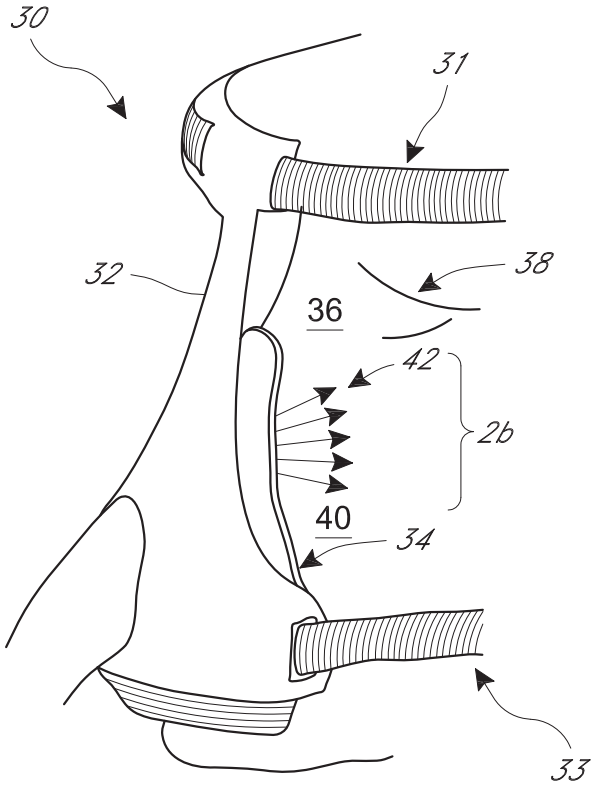



Fig. 2a

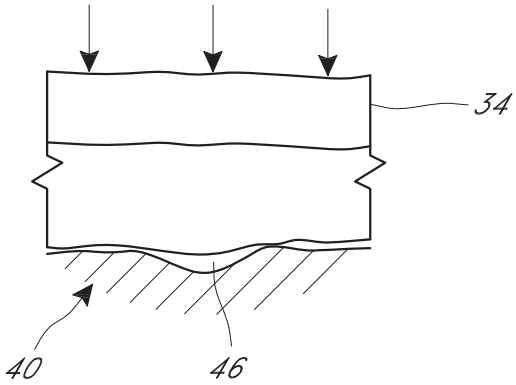



Fig. 2b

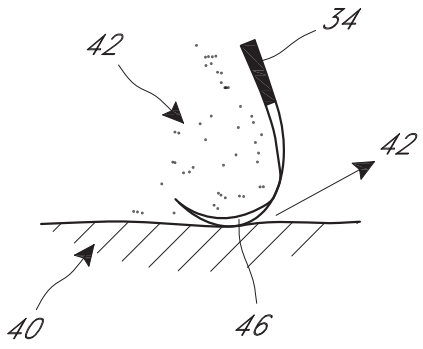



Fig. 2c

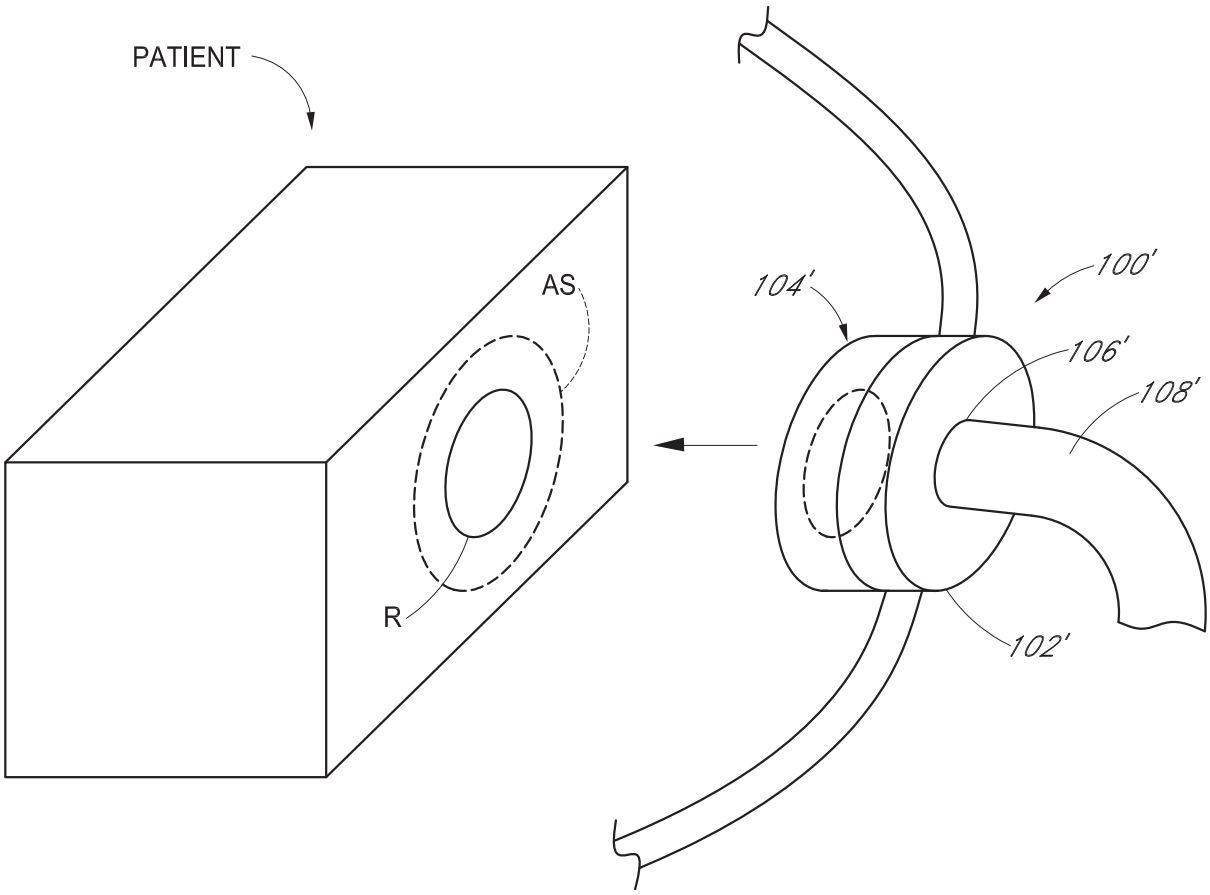



*Fig. 3*

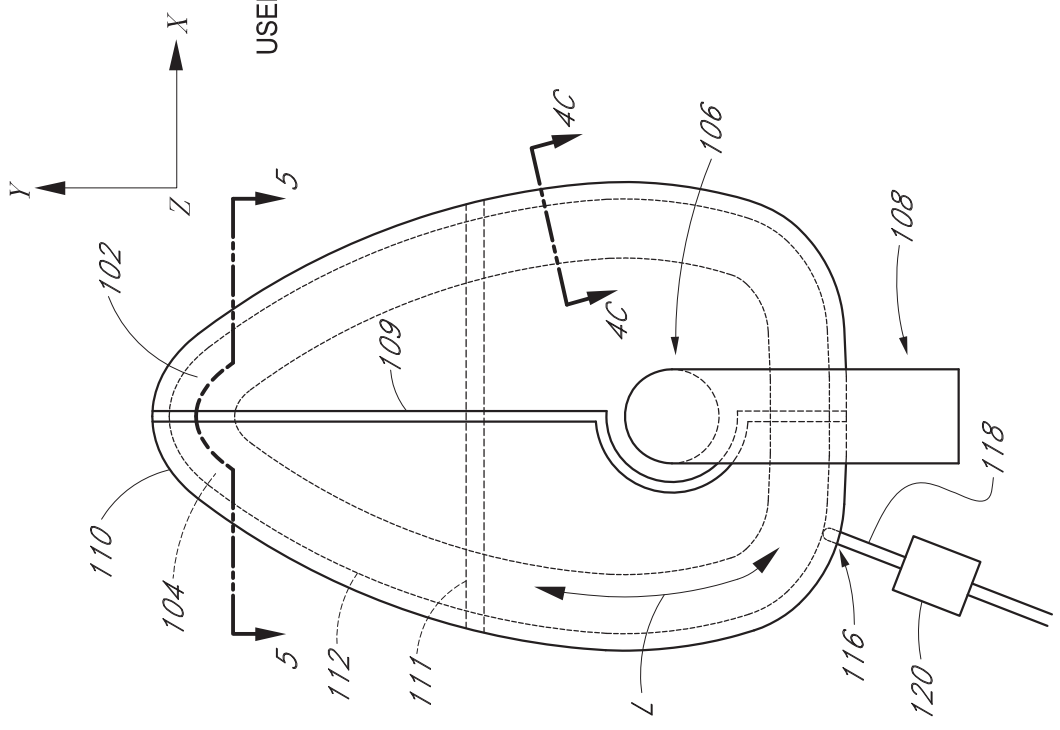



Fig. 4a

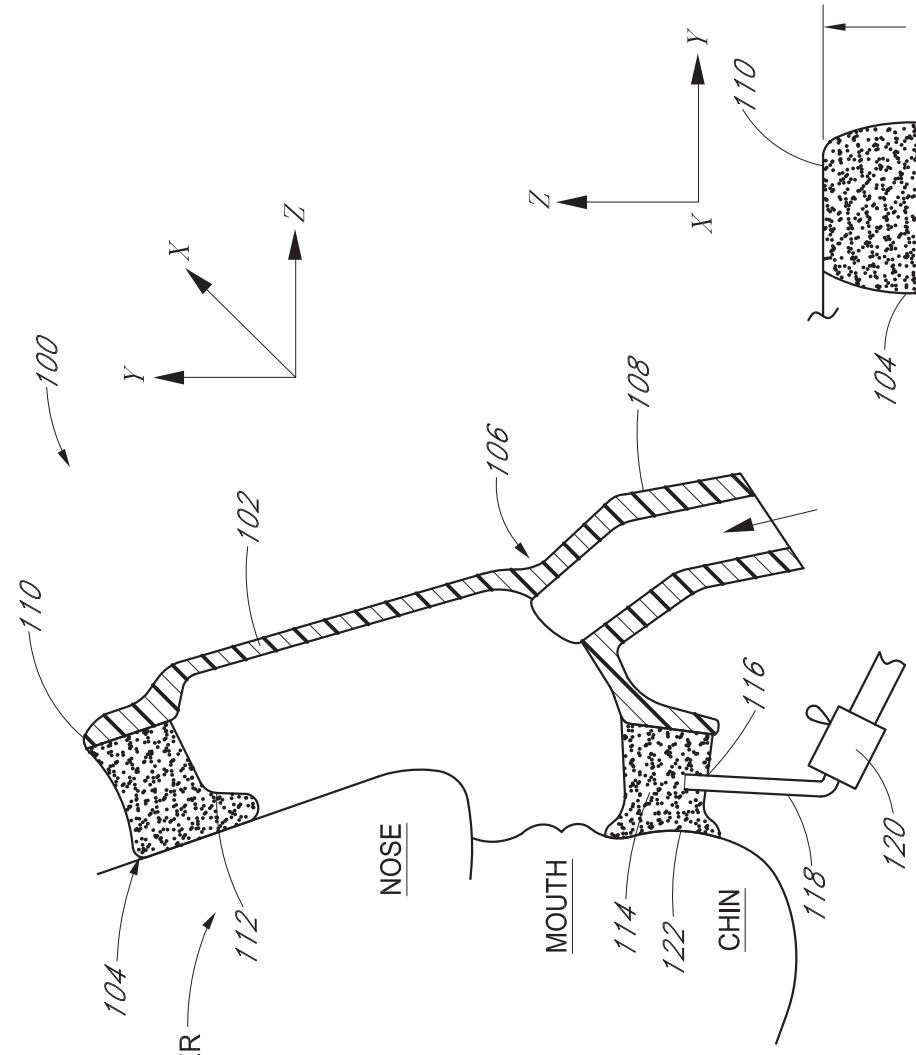



Fig. 4b




Fig. 4c

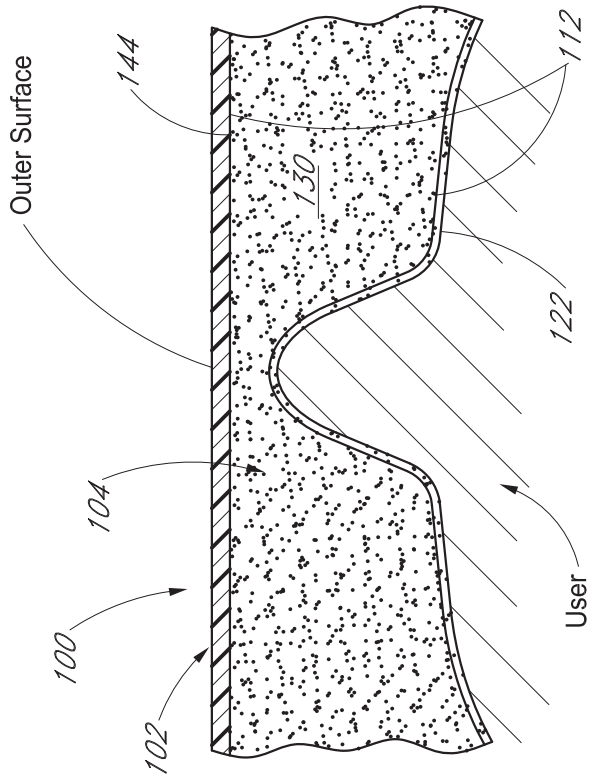

Outer Surface
144
112
130
122
104
100
102
User

Fig. 5b

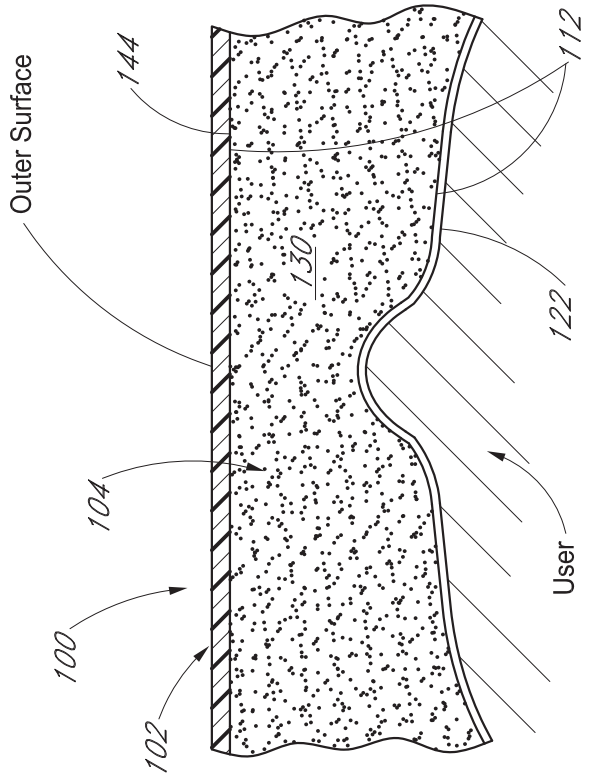

Outer Surface
144
112
130
122
104
100
102
User

Fig. 5a

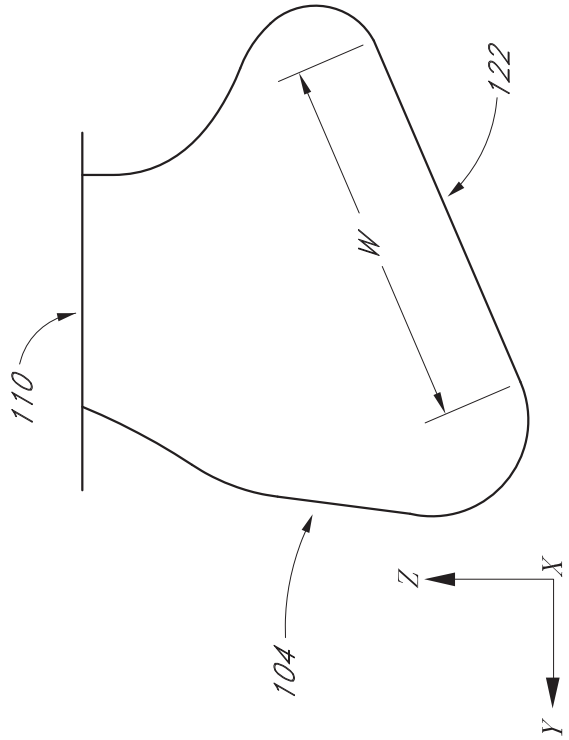



Fig. 5d

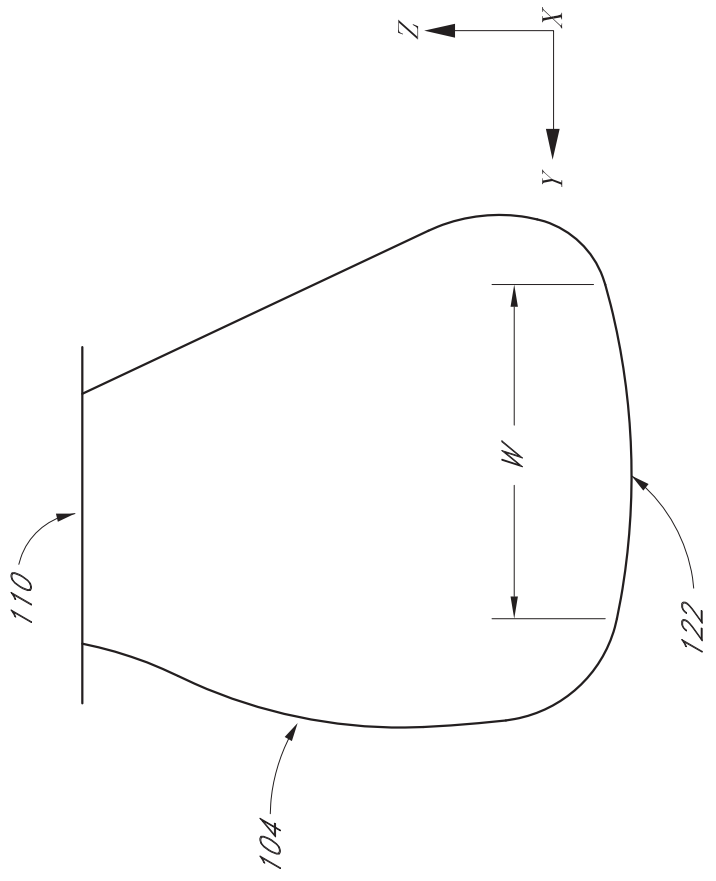



Fig. 5c

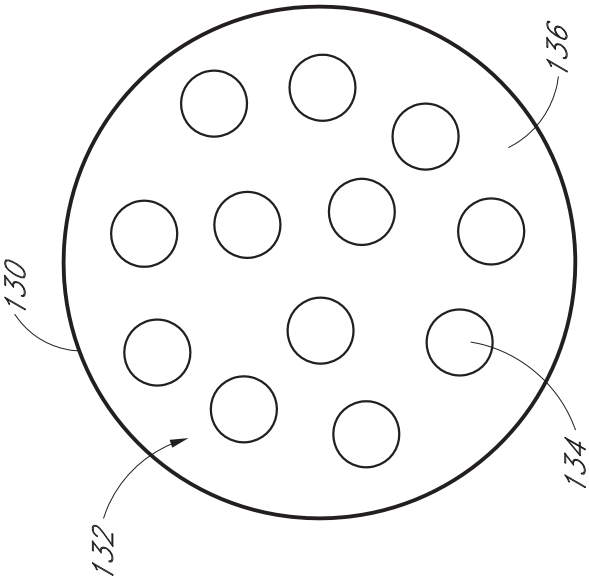



Fig. 6a

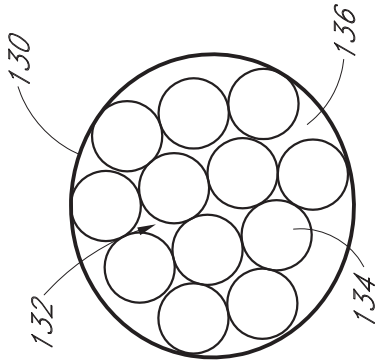



Fig. 6b

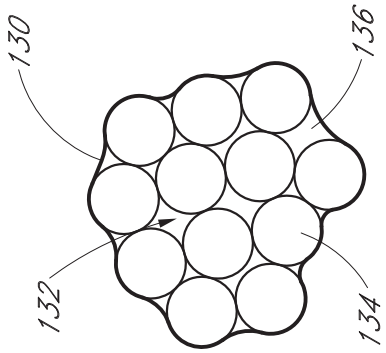



Fig. 6c

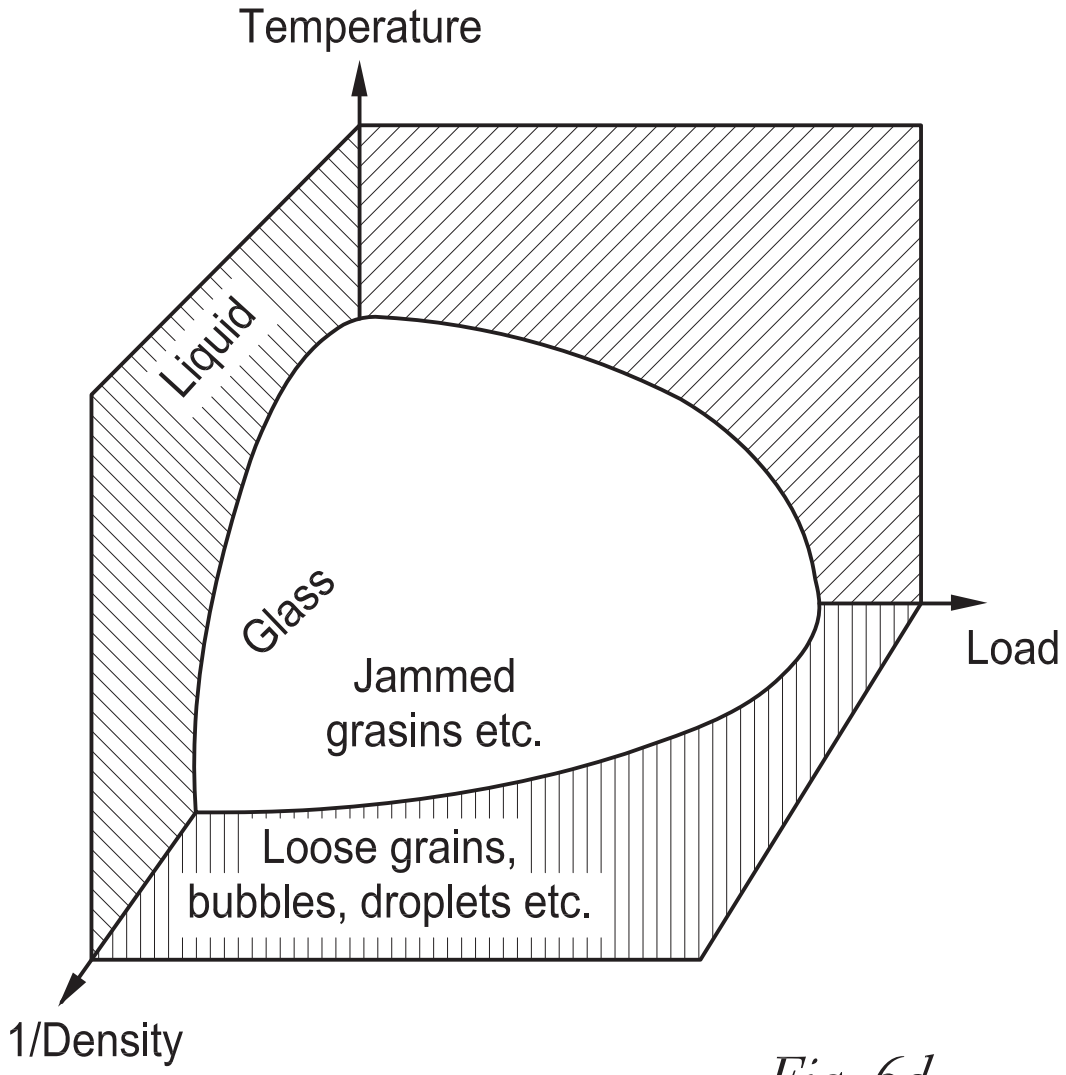

Temperature
Liquid
Glass
Jammed
grasins etc.
Loose grains,
bubbles, droplets etc.
Load
1/Density

*Fig. 6d*

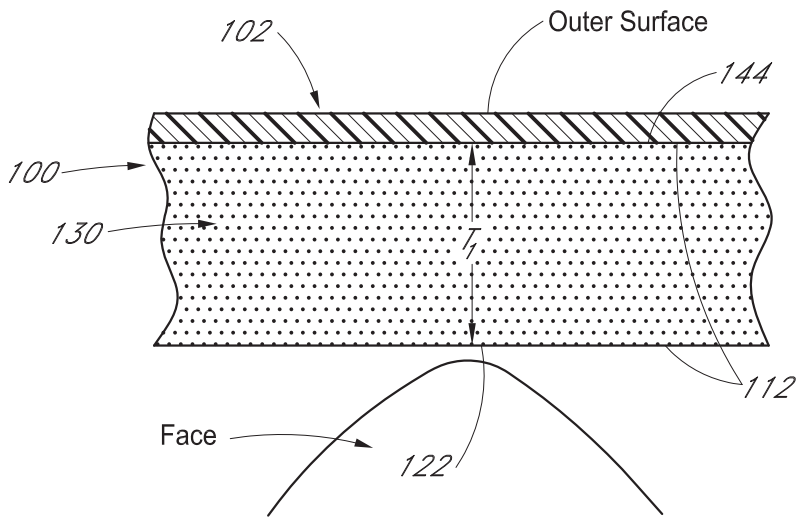



Fig. 7a

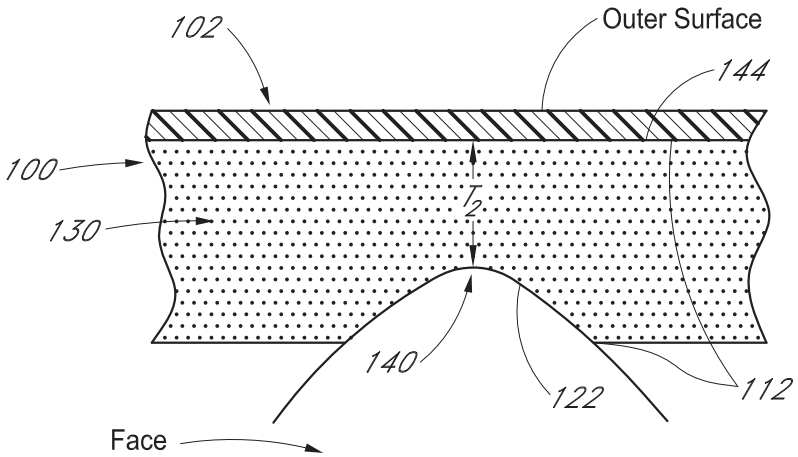



Fig. 7b

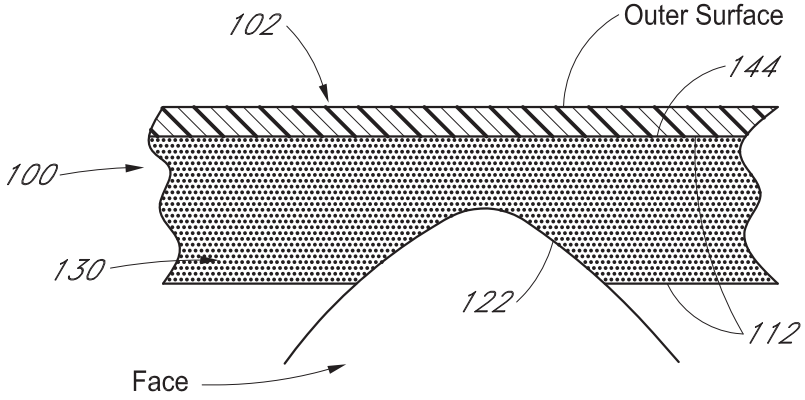



Fig. 7c

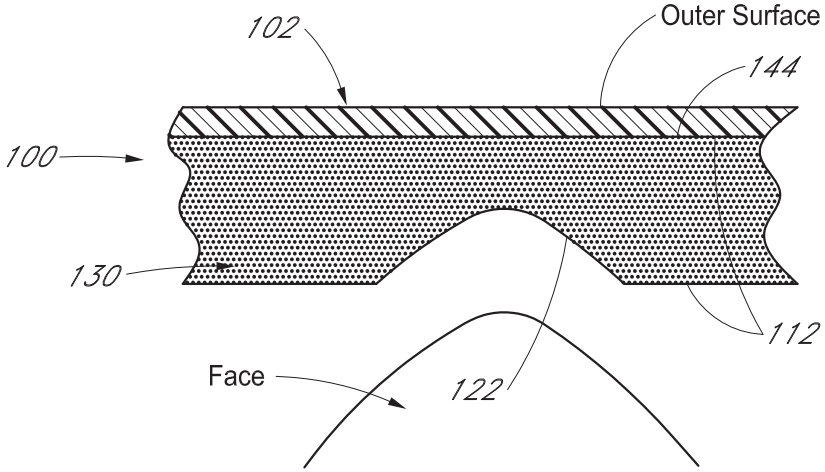



Fig. 7d

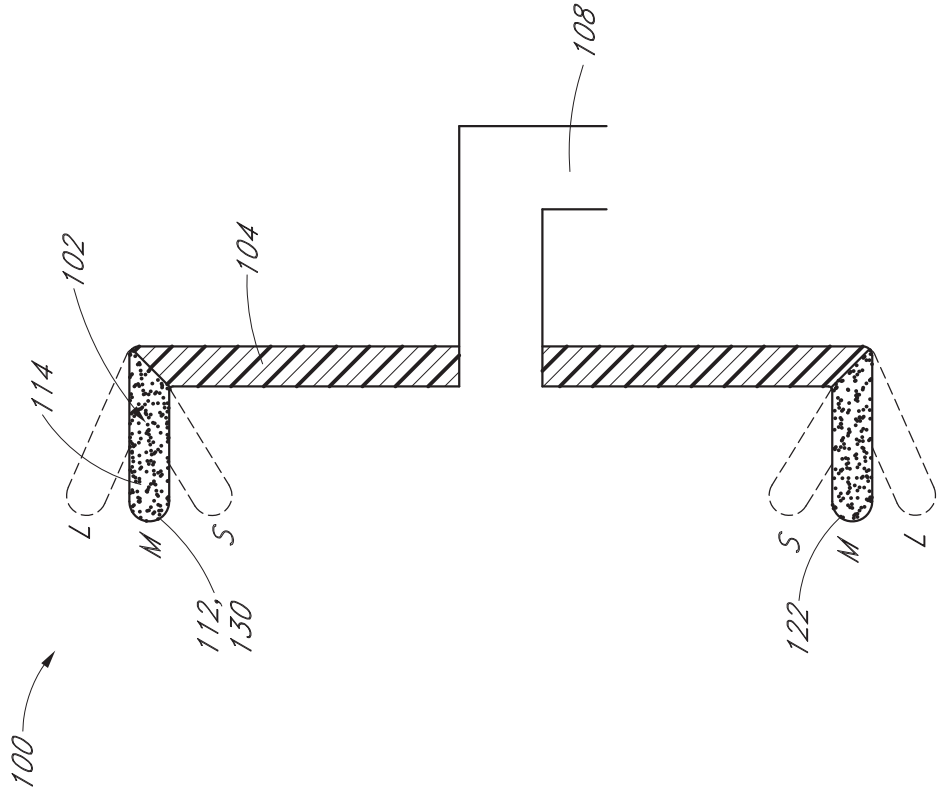



Fig. 9

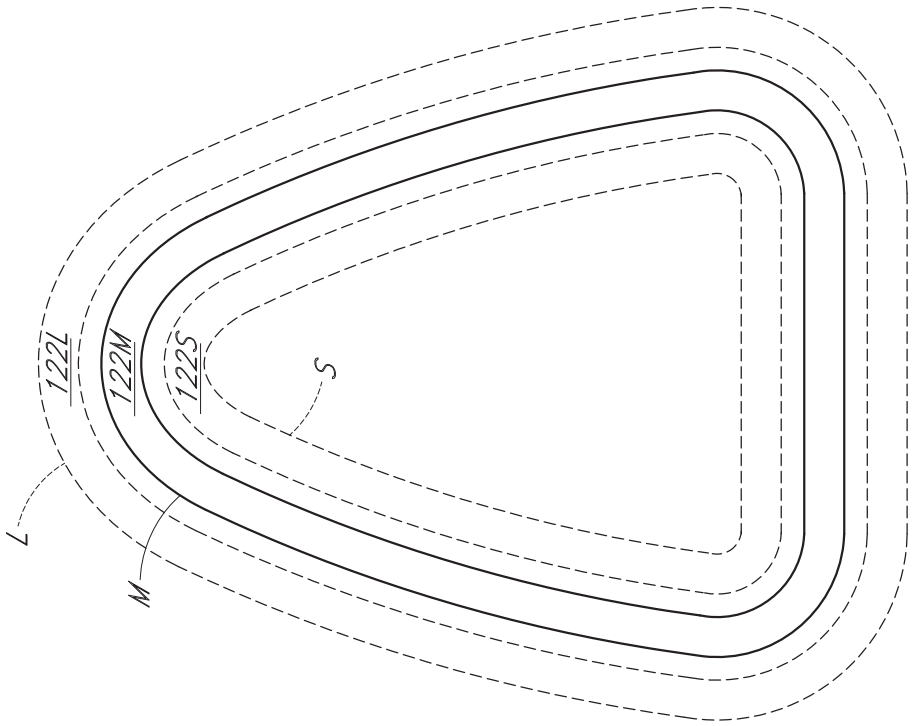



Fig. 8

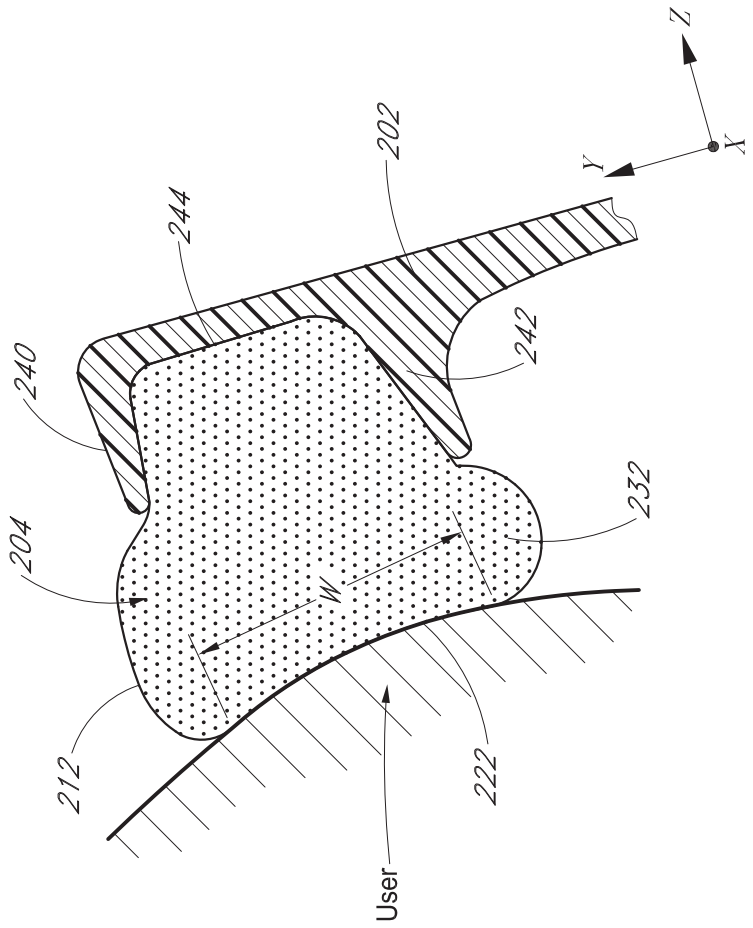



Fig. 10b

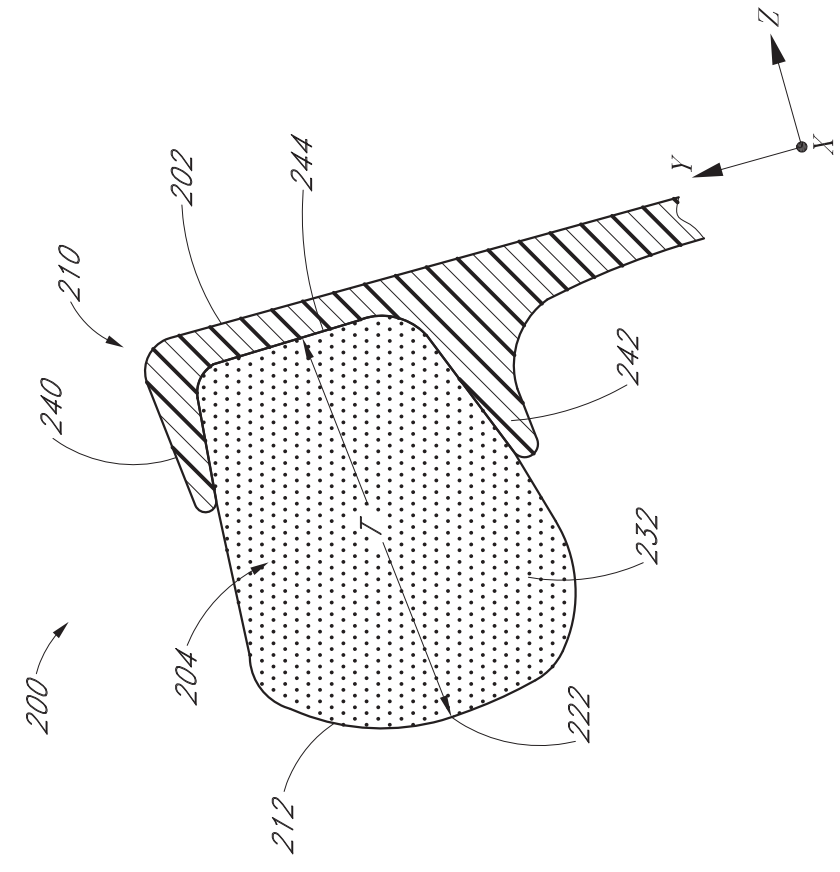



Fig. 10a

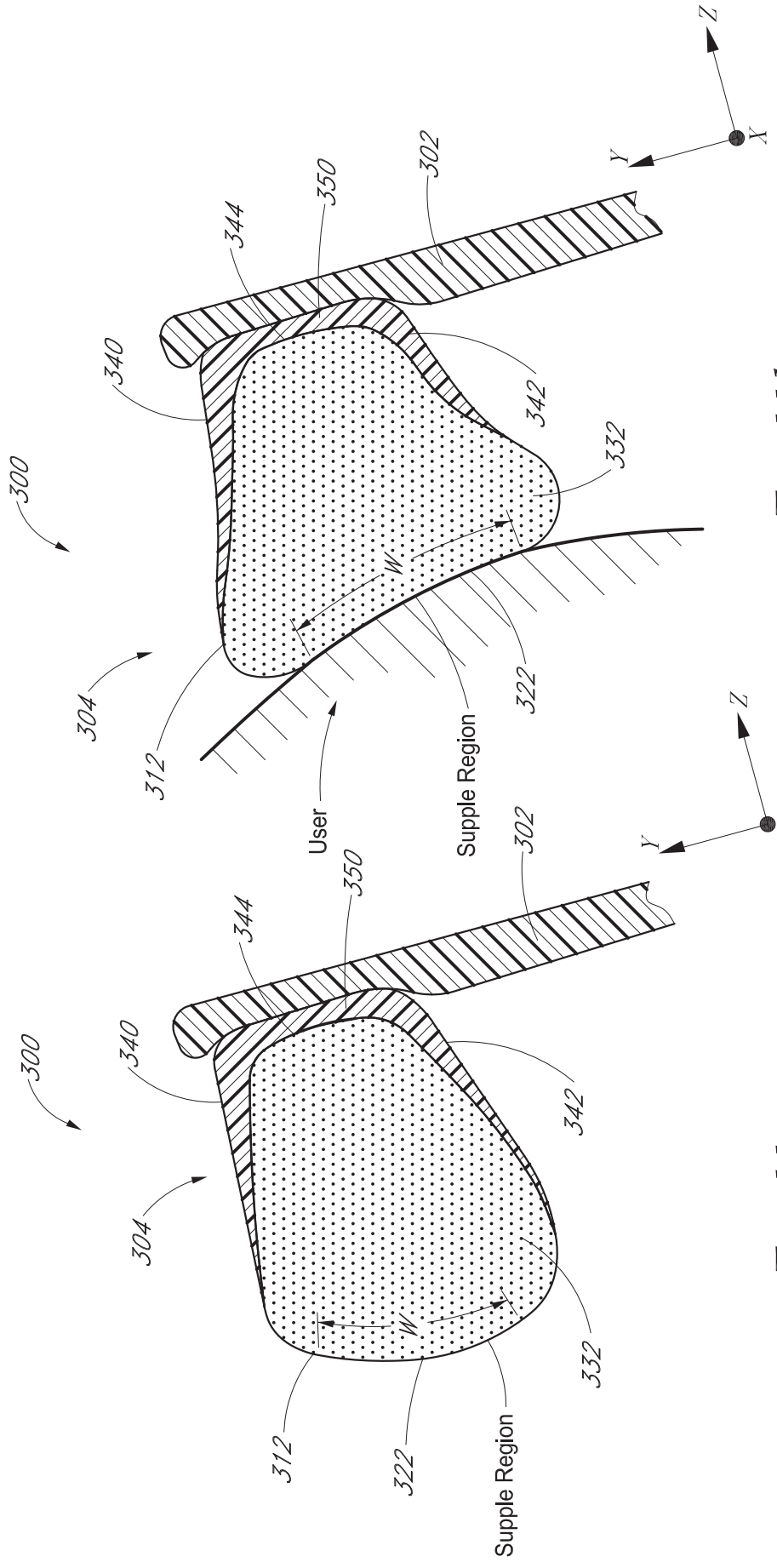



Fig. 11a

Fig. 11b

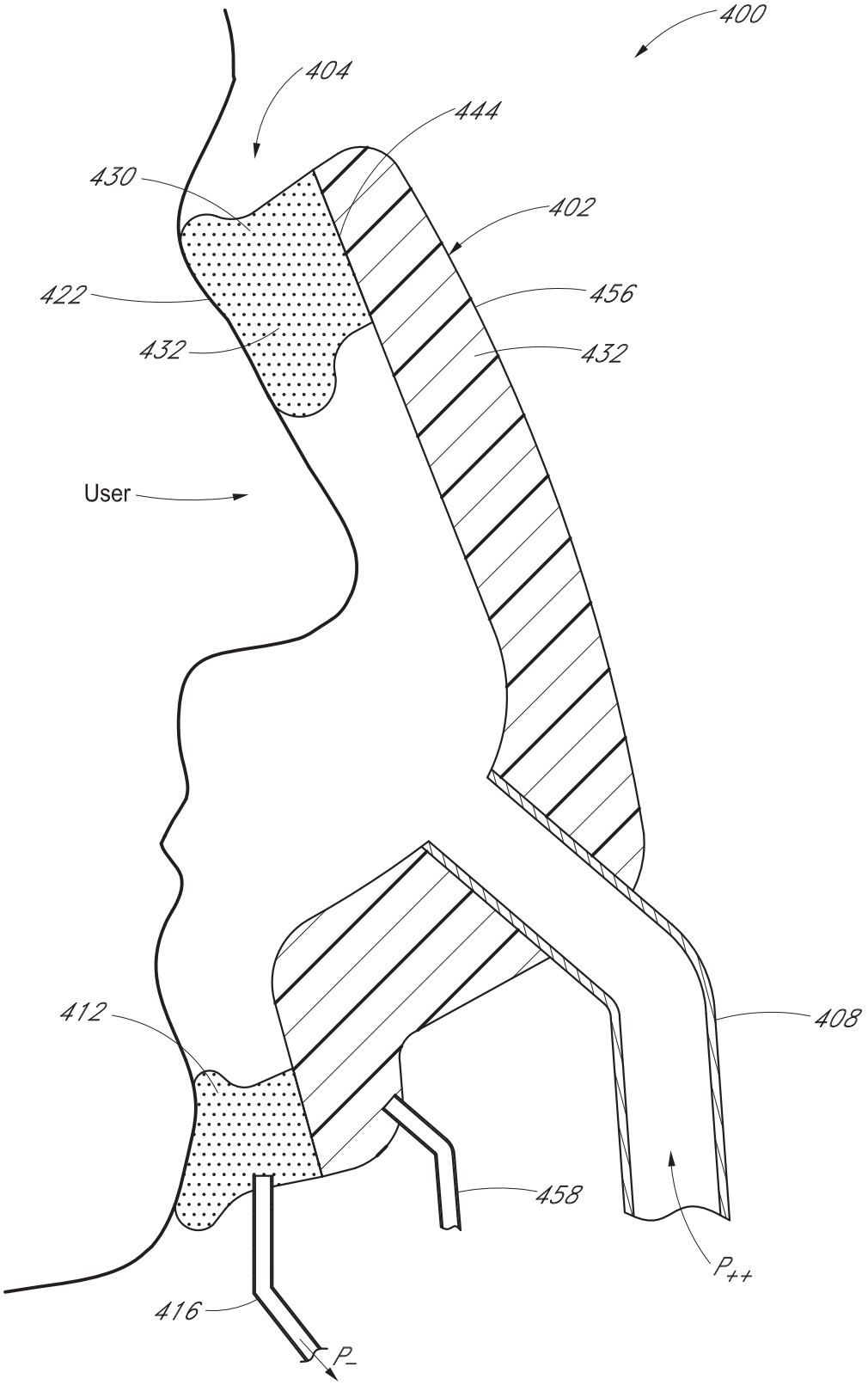



*Fig. 12*

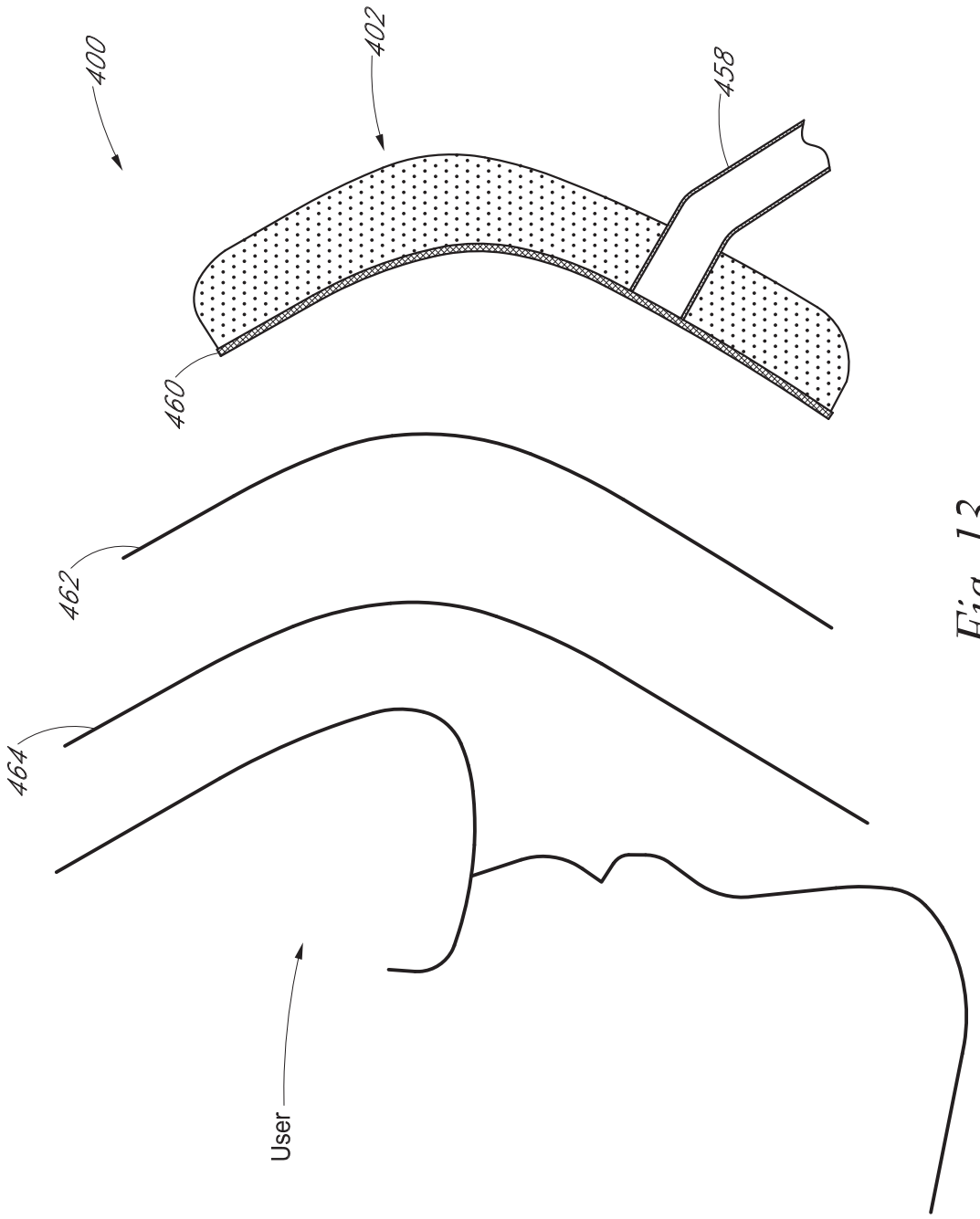



Fig. 13

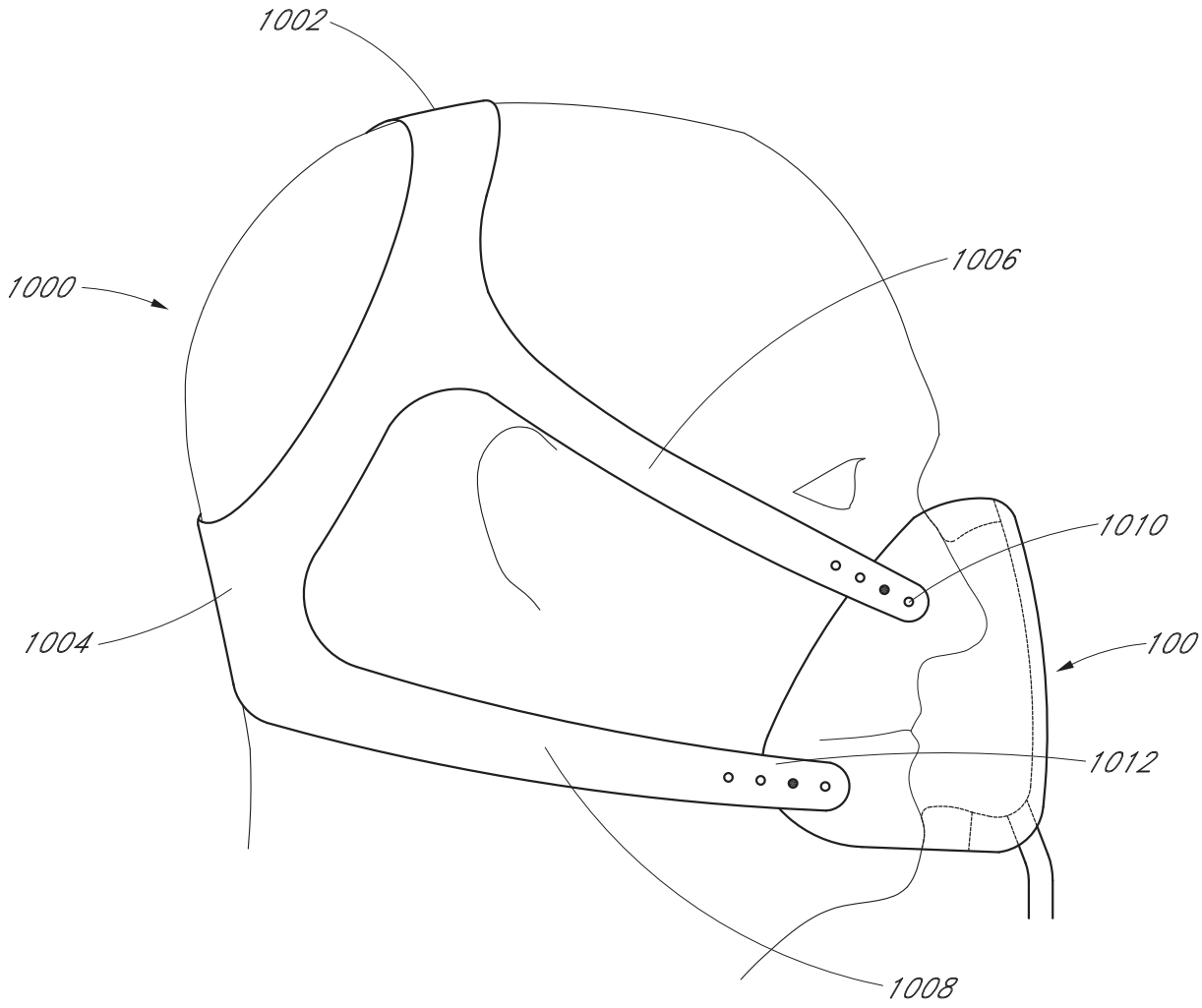



*Fig. 14*

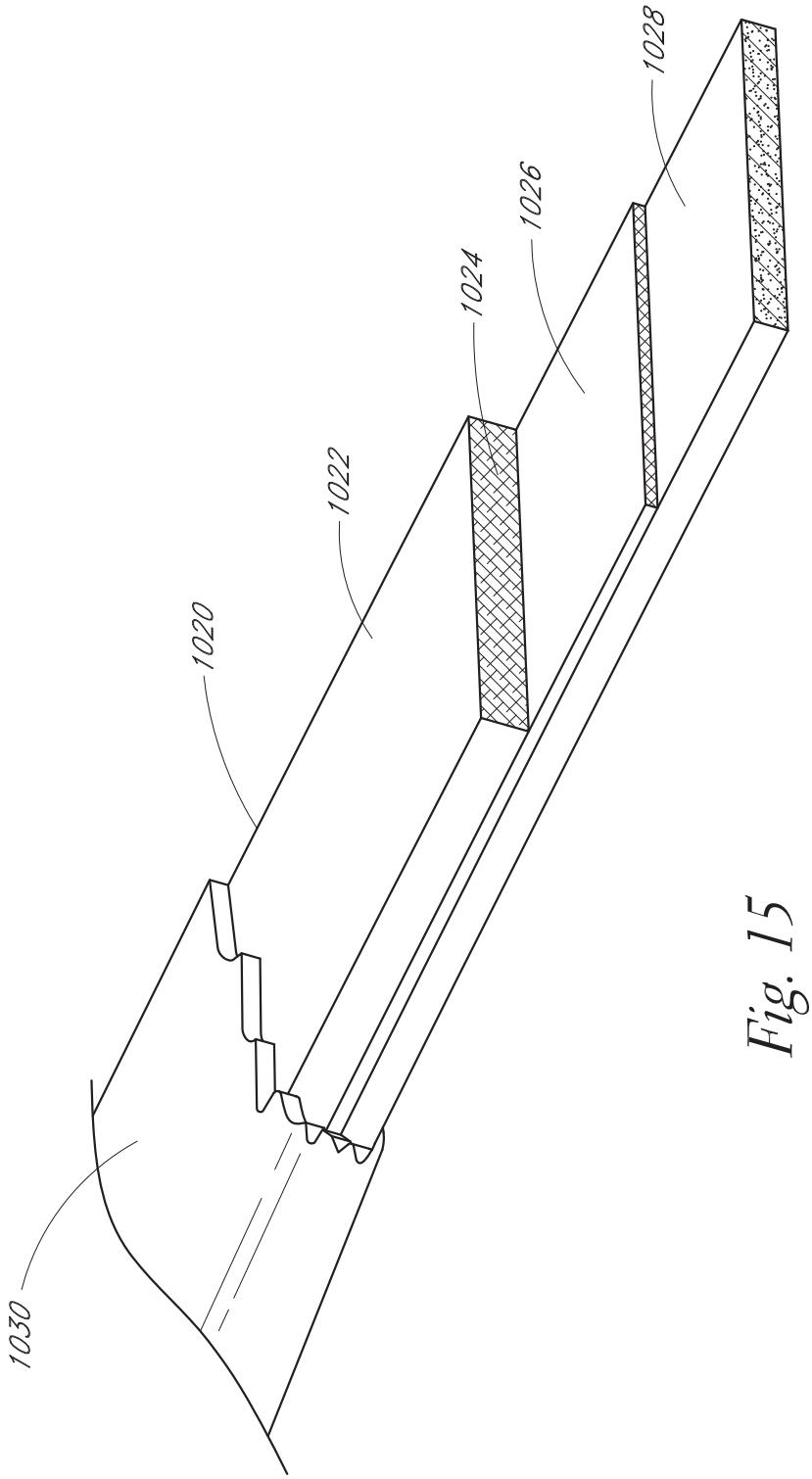



Fig. 15

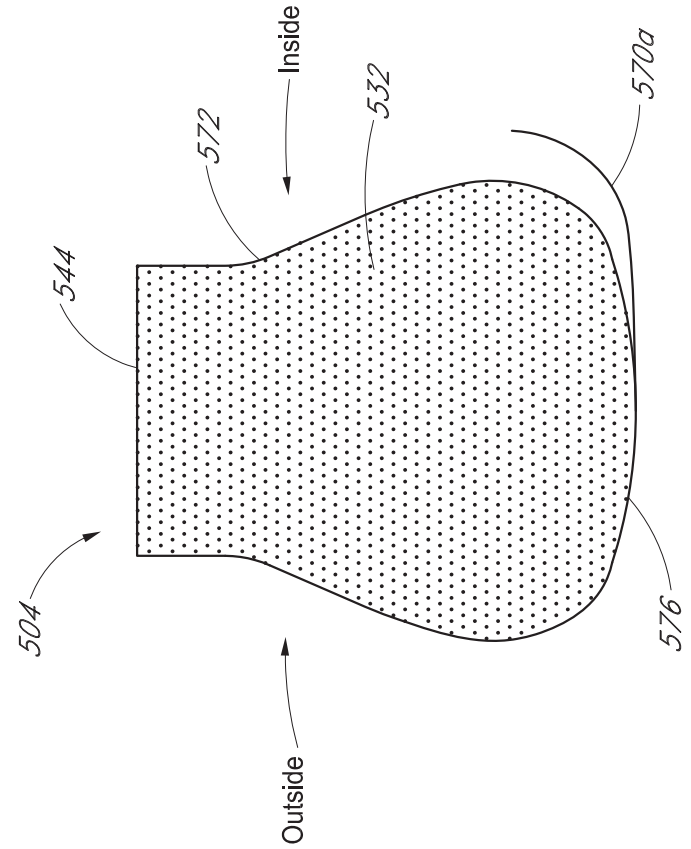



Fig. 16b

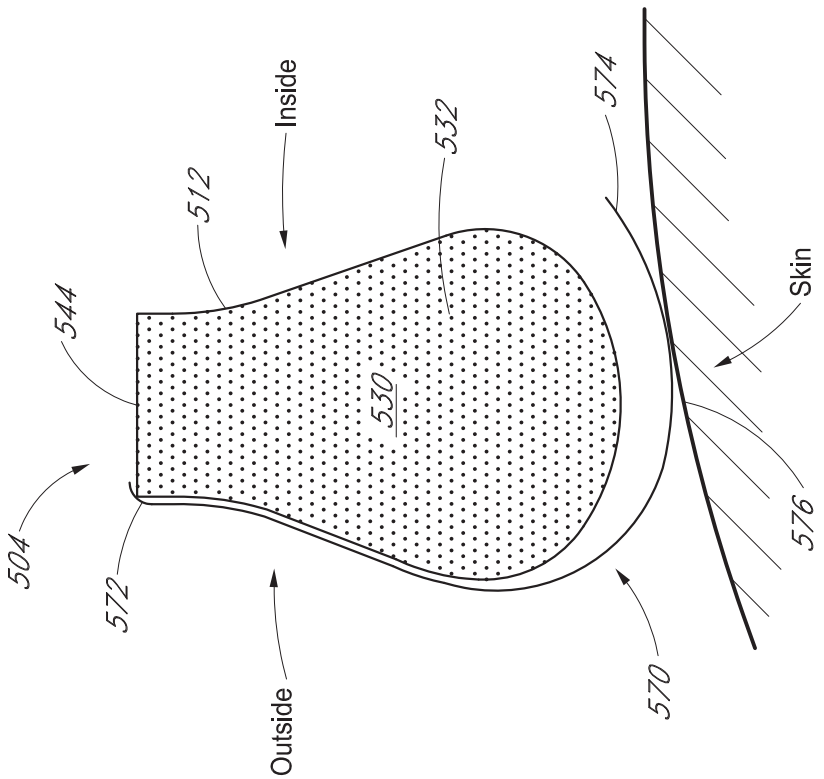



Fig. 16a

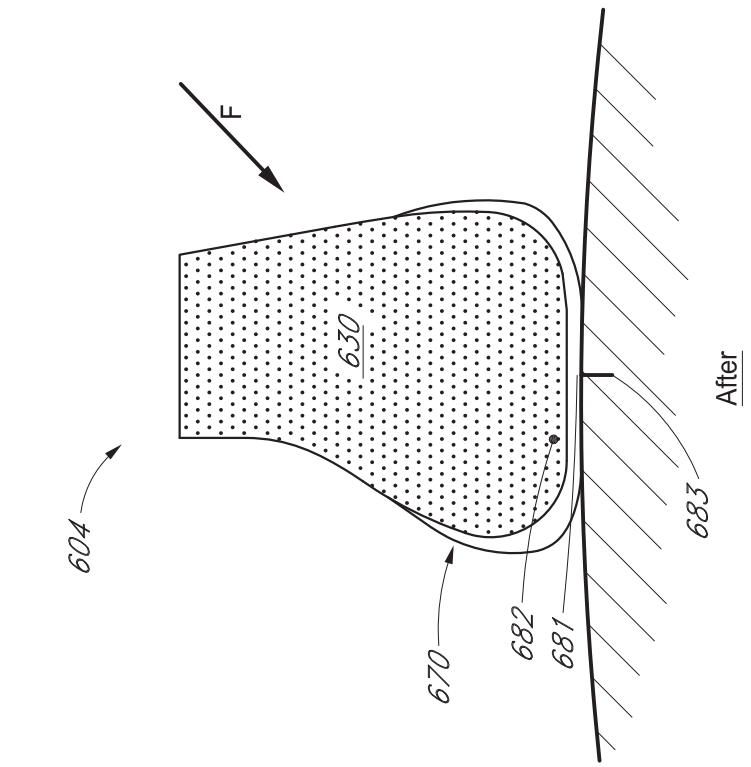



Fig. 17b

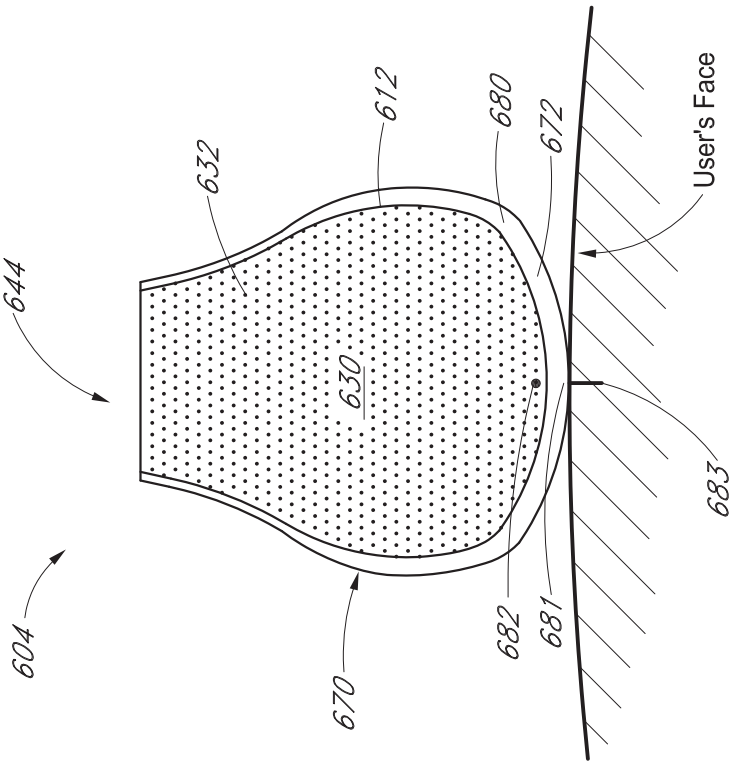



Fig. 17a

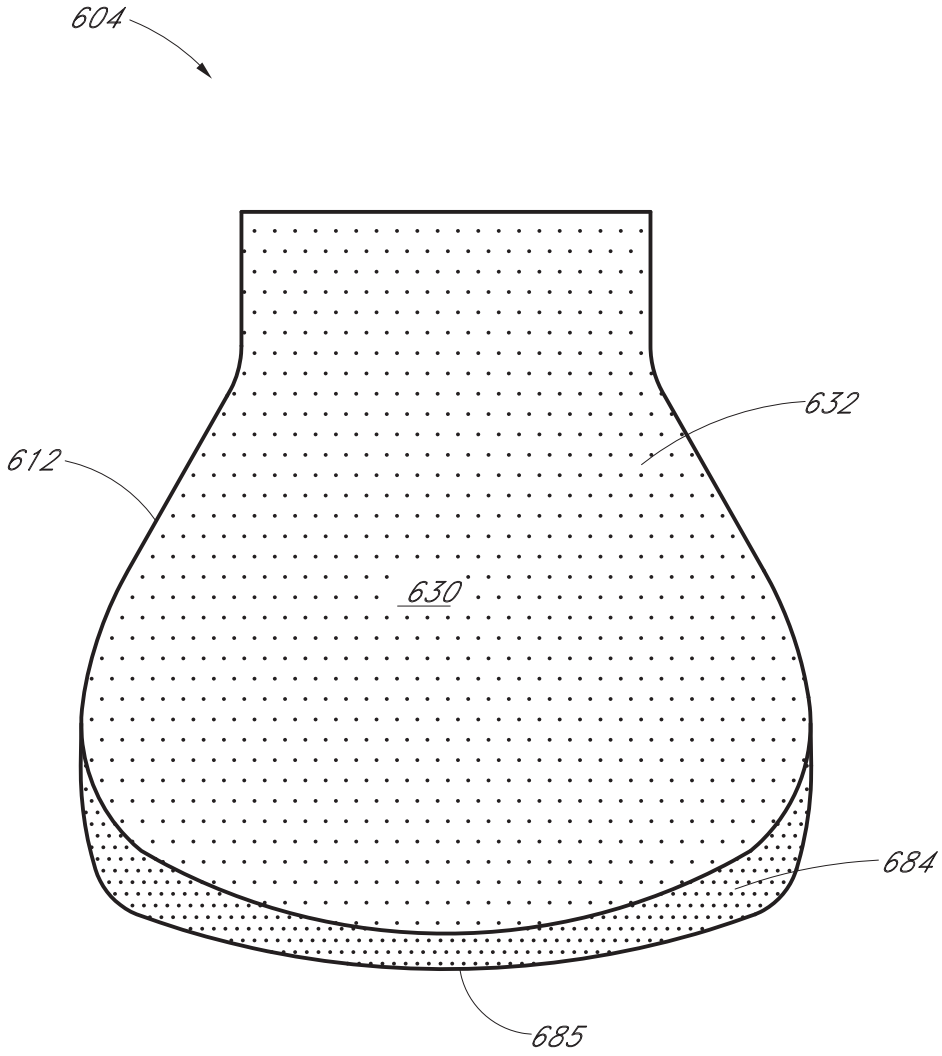



*Fig. 18*

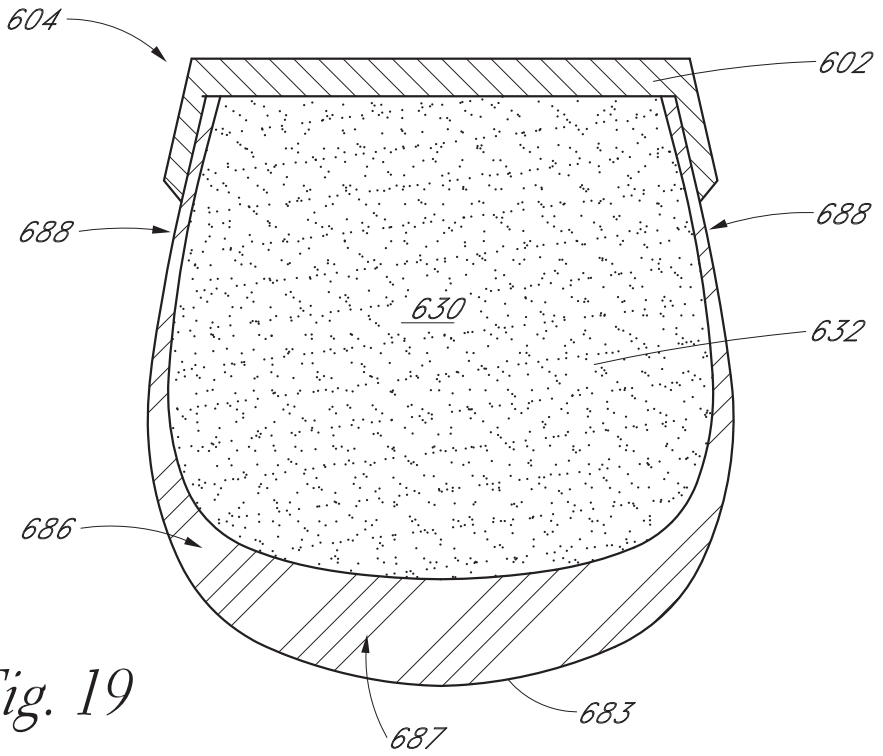

604
602
688
688
630
632
686
687
683

Fig. 19

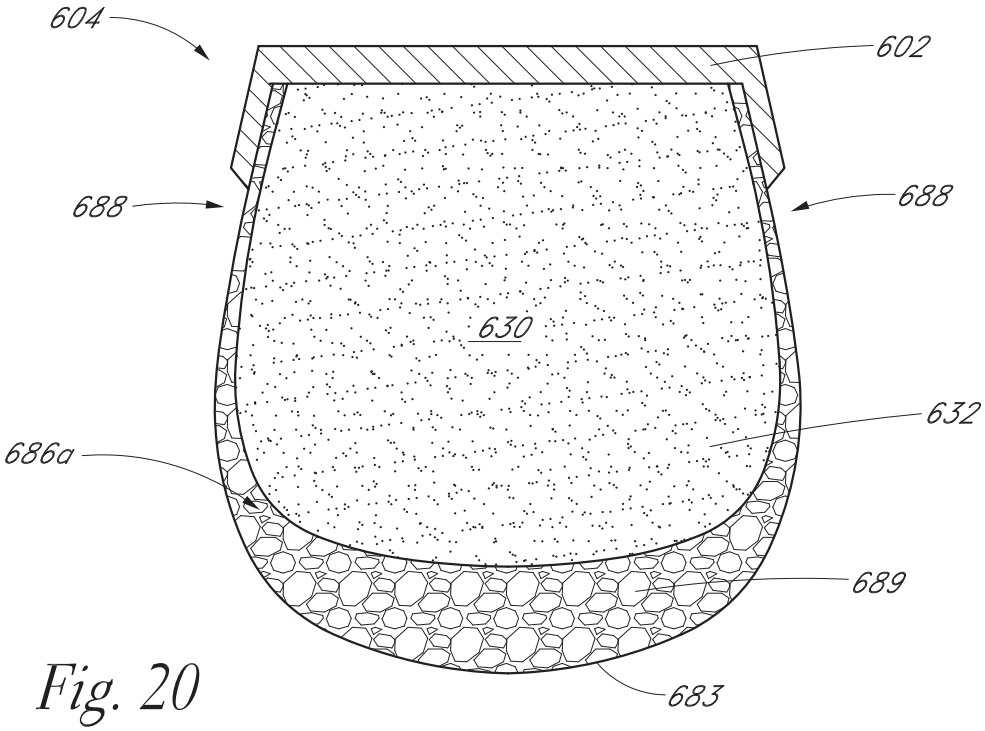

604
602
688
688
630
632
686a
689
683

Fig. 20

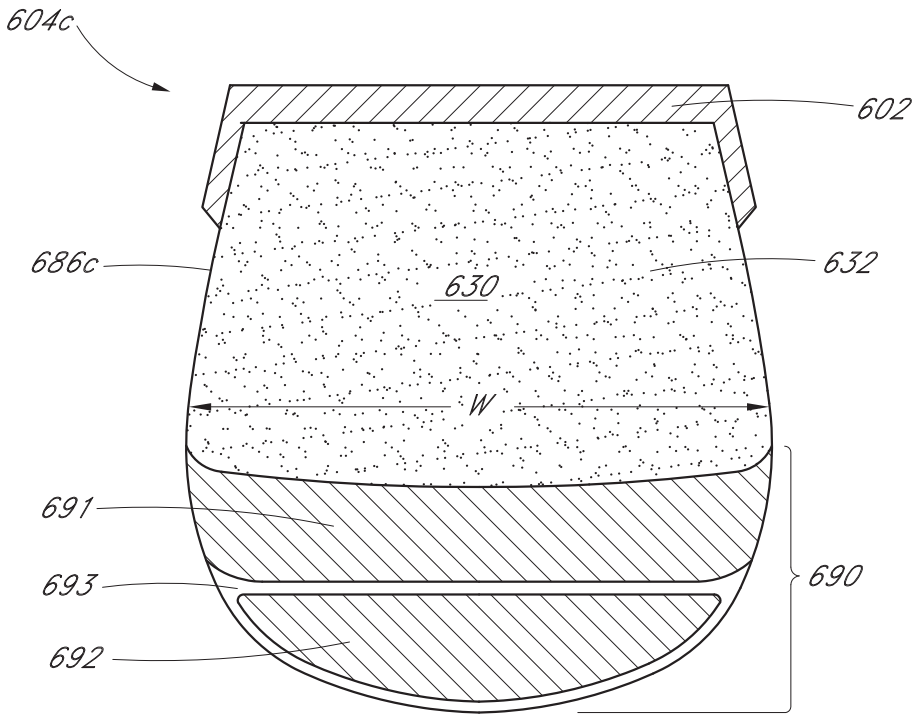



*Fig. 21*

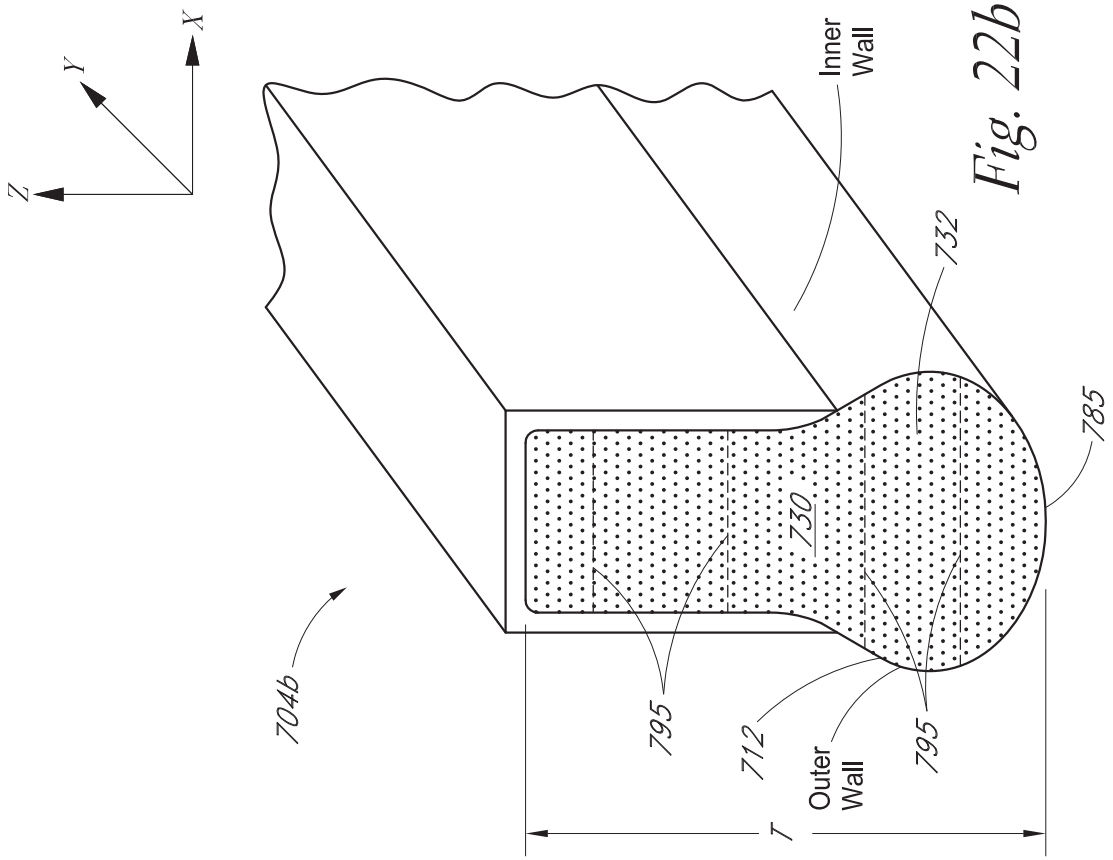



Fig. 22b

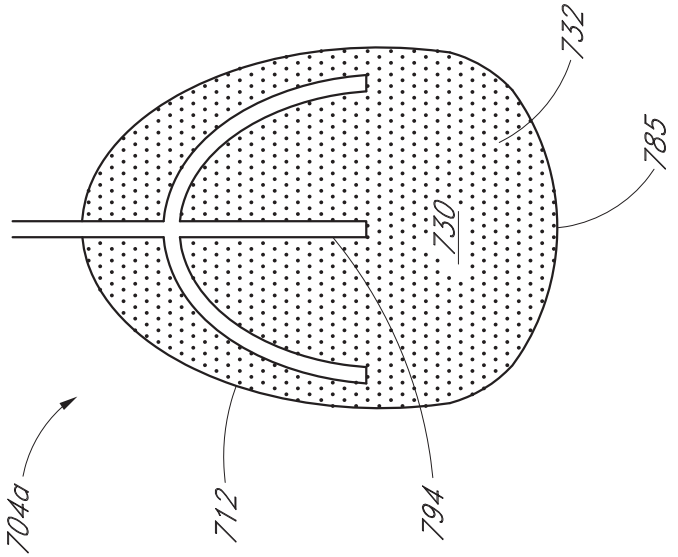



Fig. 22a

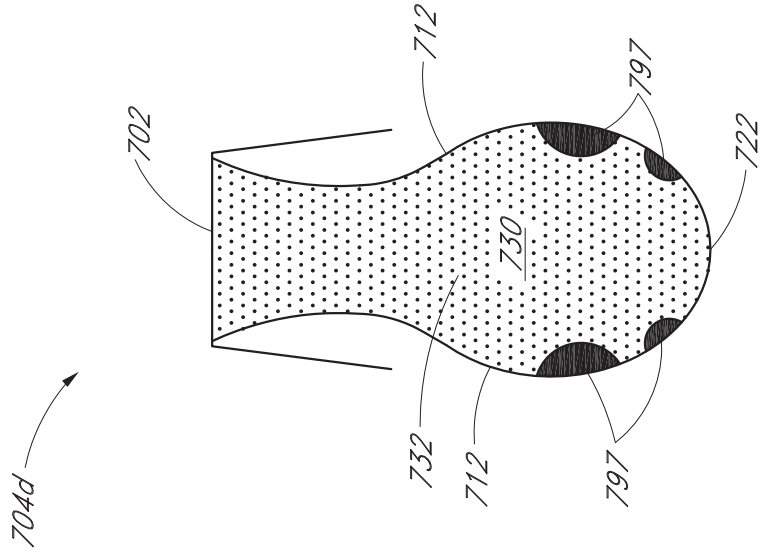



Fig. 22d

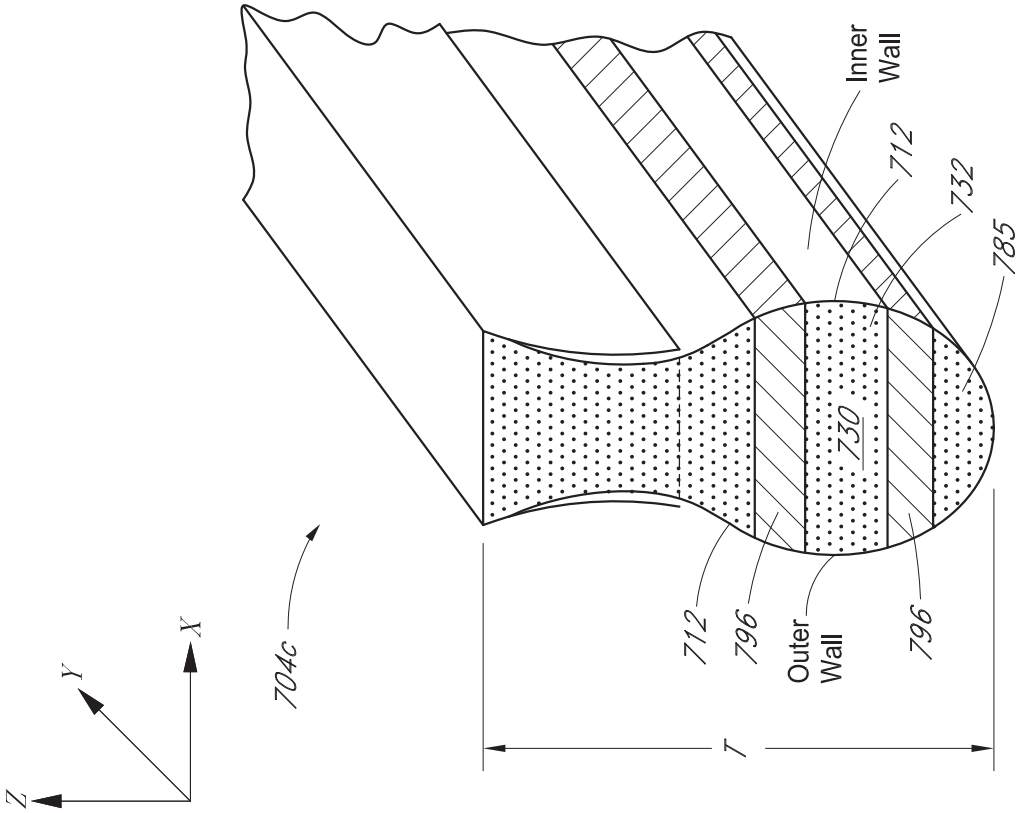
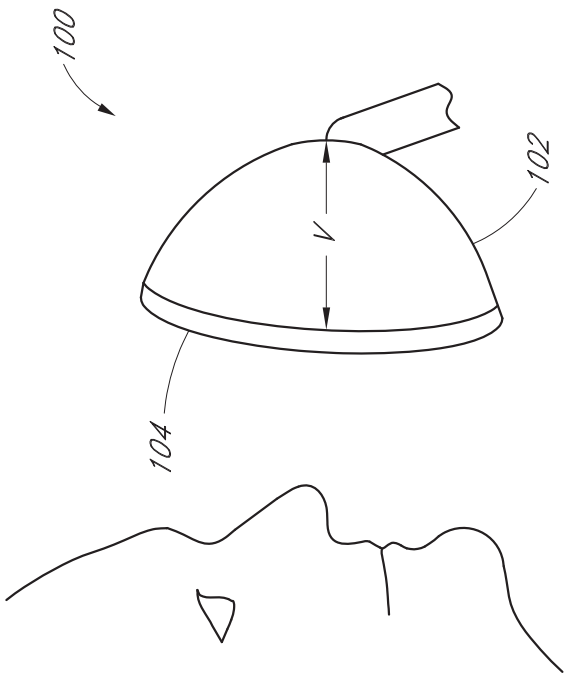



Fig. 22c


100
102
V
104

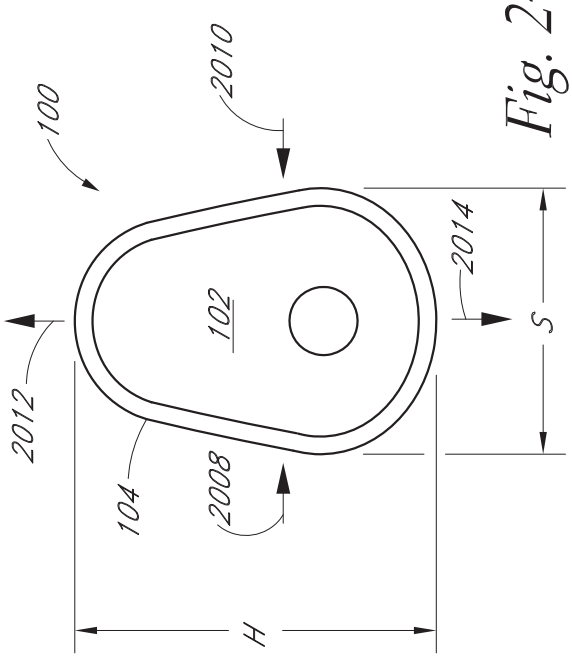
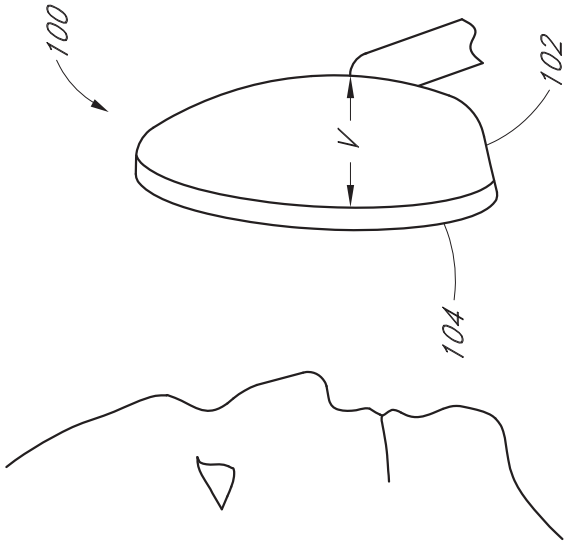

100
2010
102
2014
S
2012
104
2008
H

Fig. 24


100
102
V
104

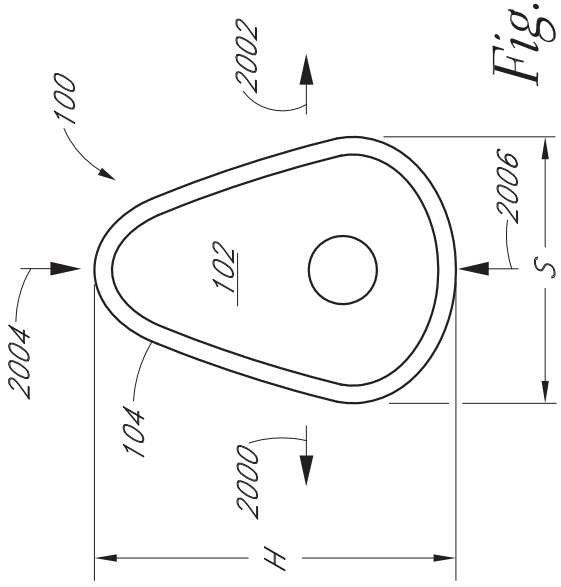

2002
100
2006
S
102
2004
104
2000
H

Fig. 23

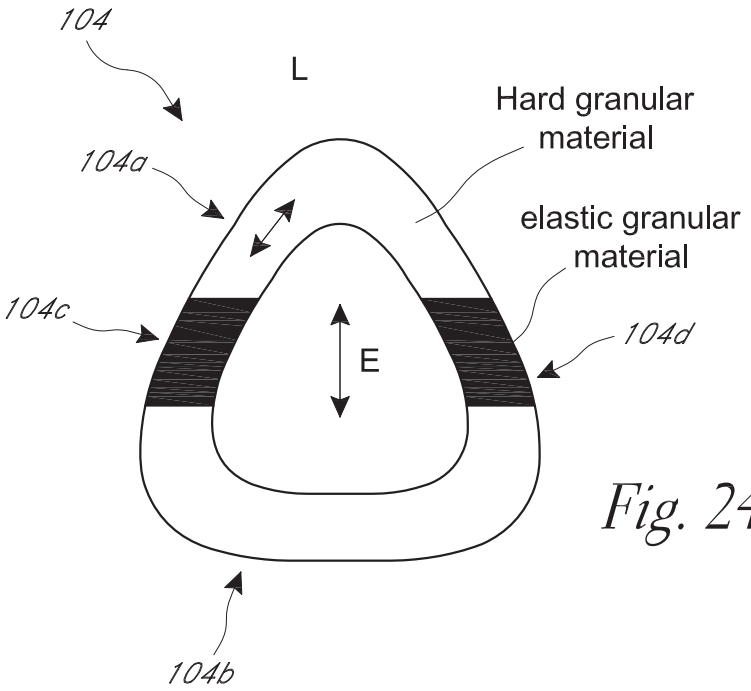



Fig. 24a

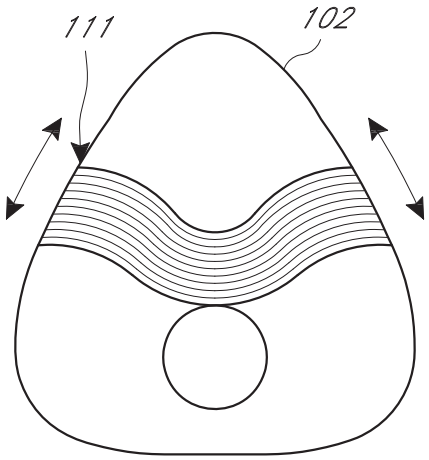



Fig. 24b

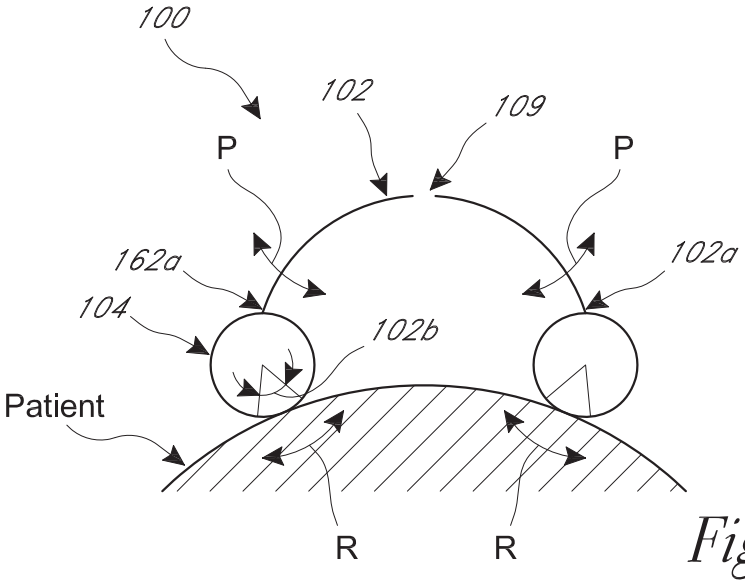



Fig. 24c

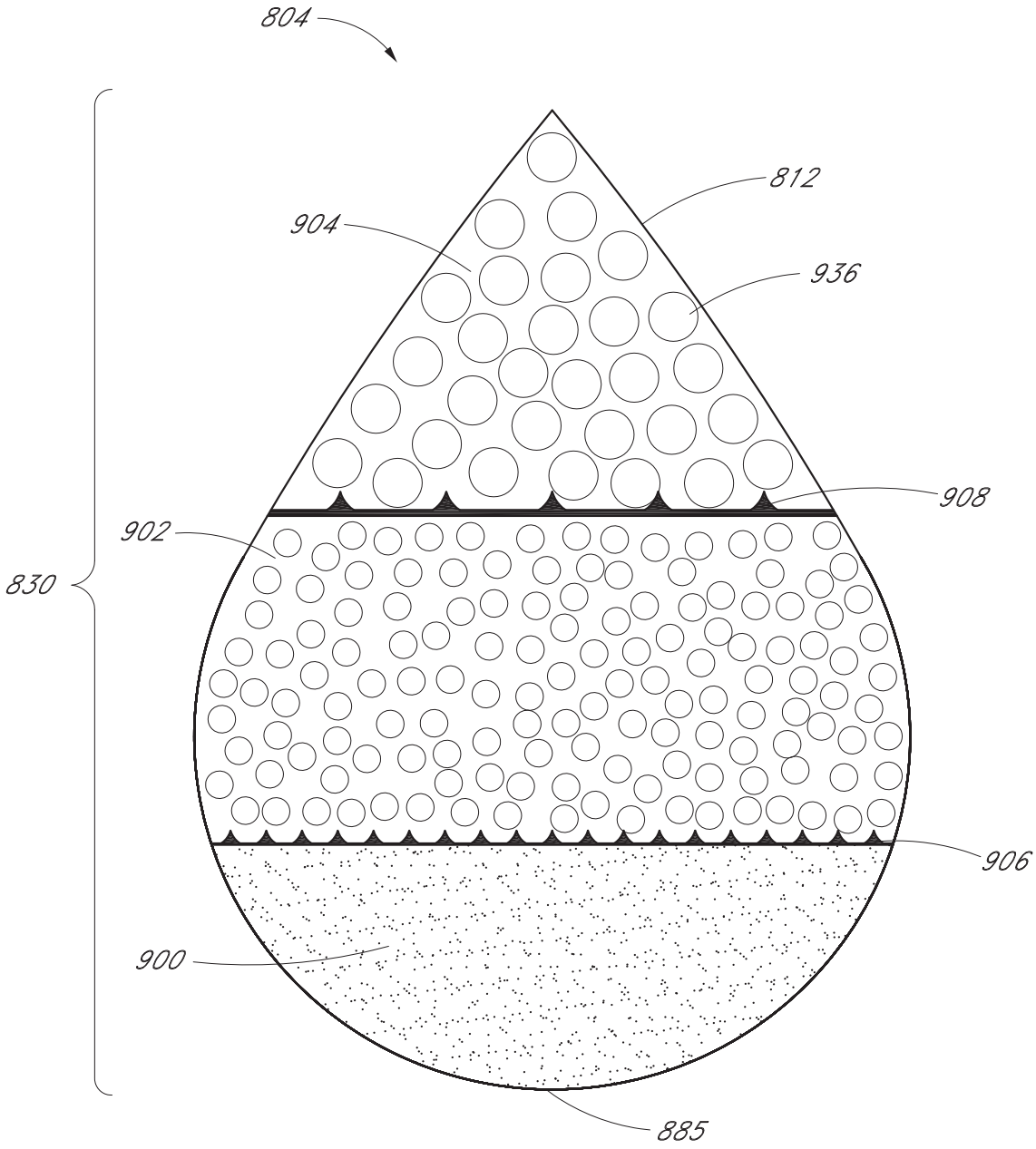



Fig. 25

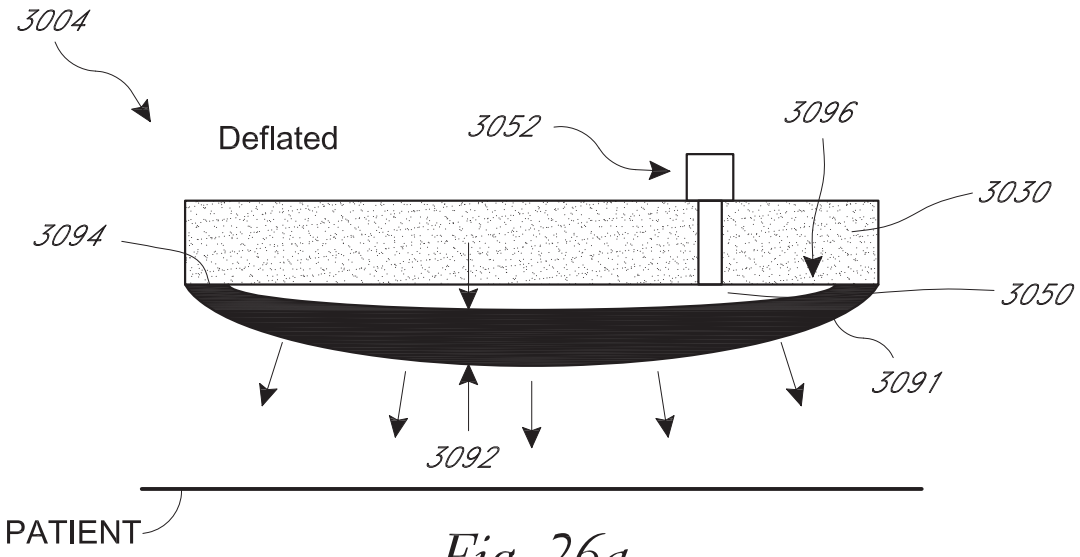



Fig. 26a

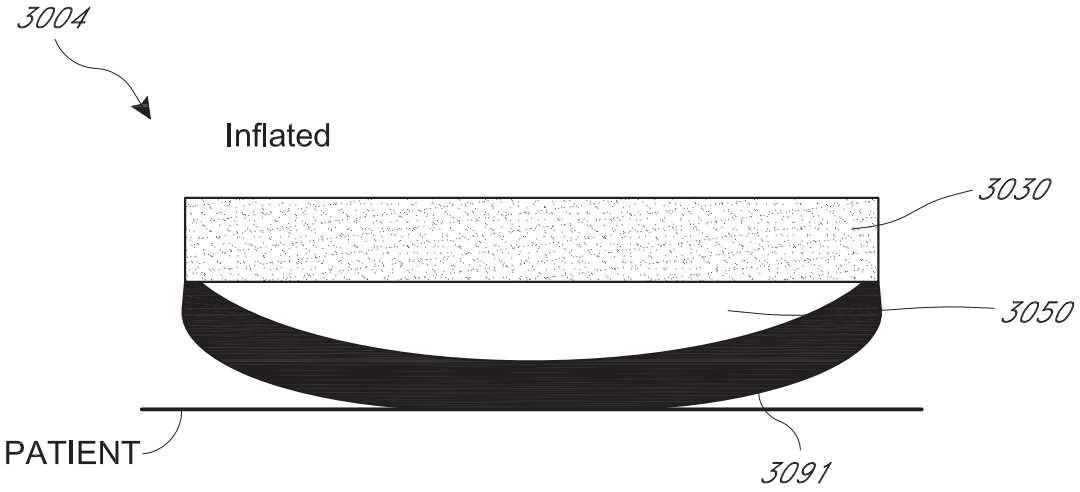



Fig. 26b

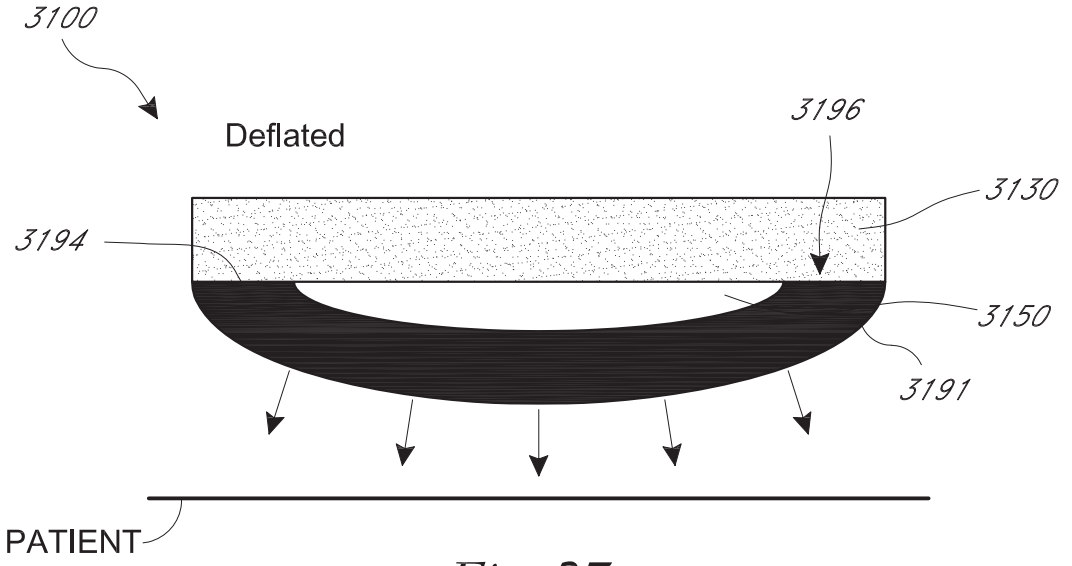



Fig. 27a

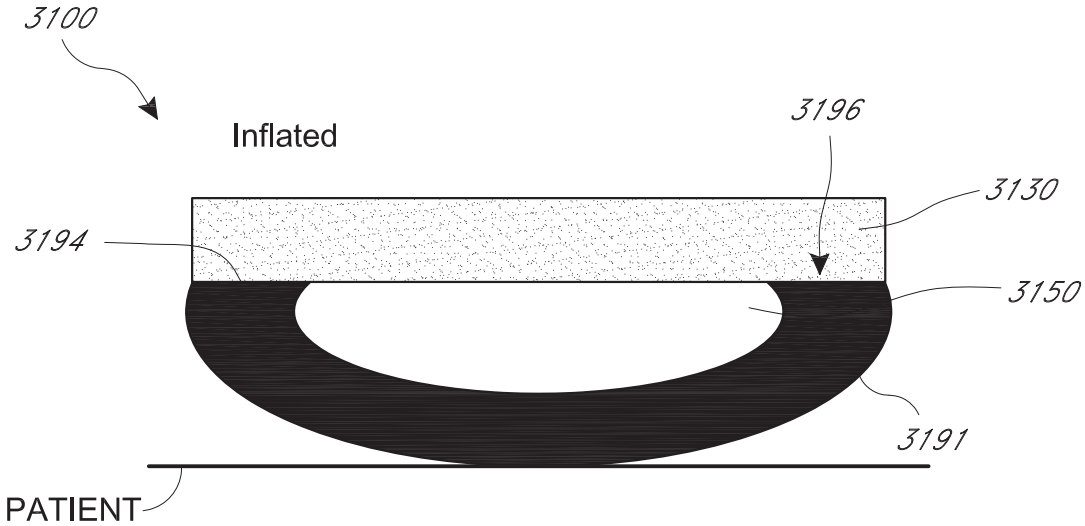



Fig. 27b

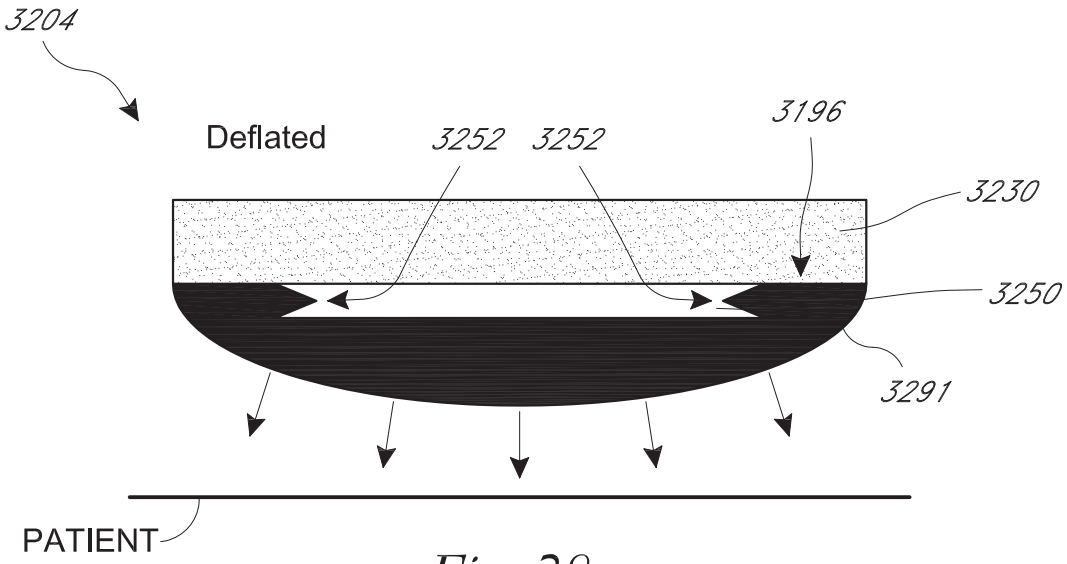



Fig. 28a

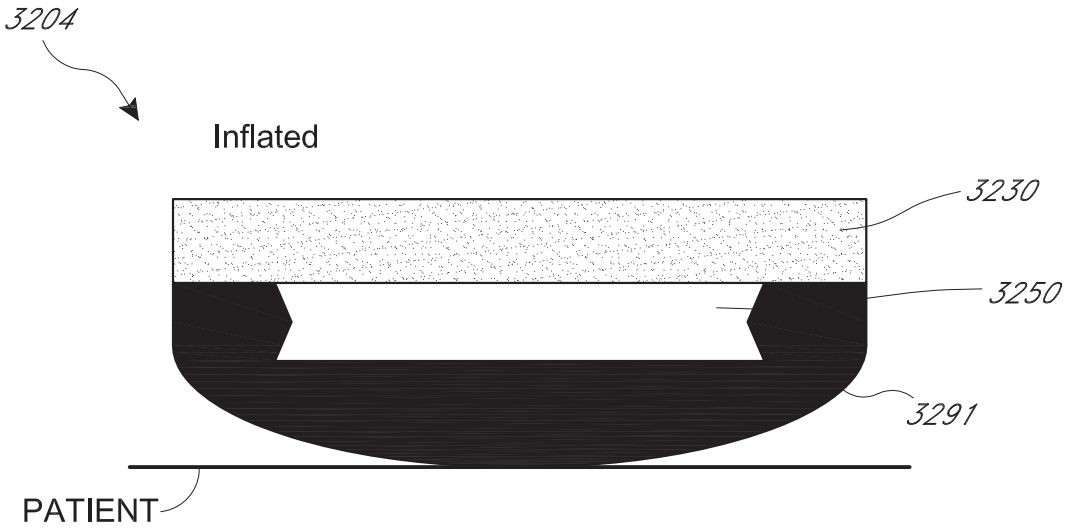



Fig. 28b

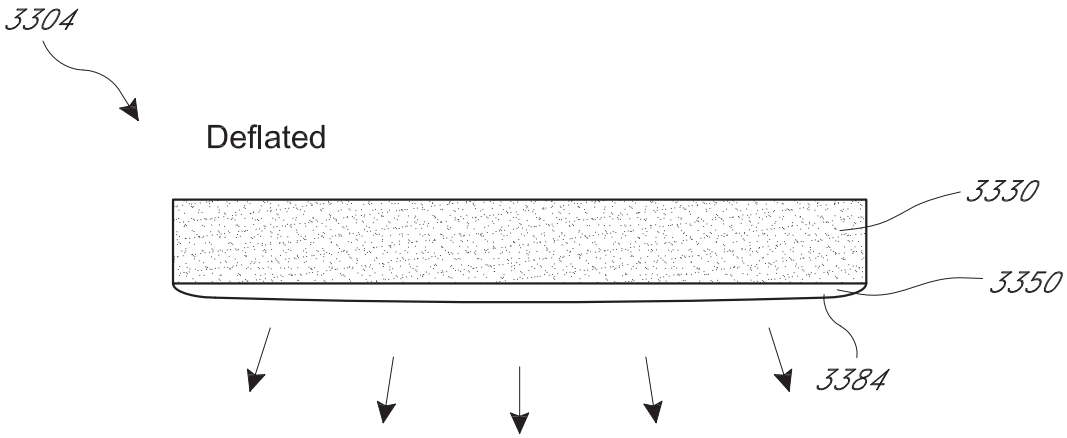



Fig. 29a

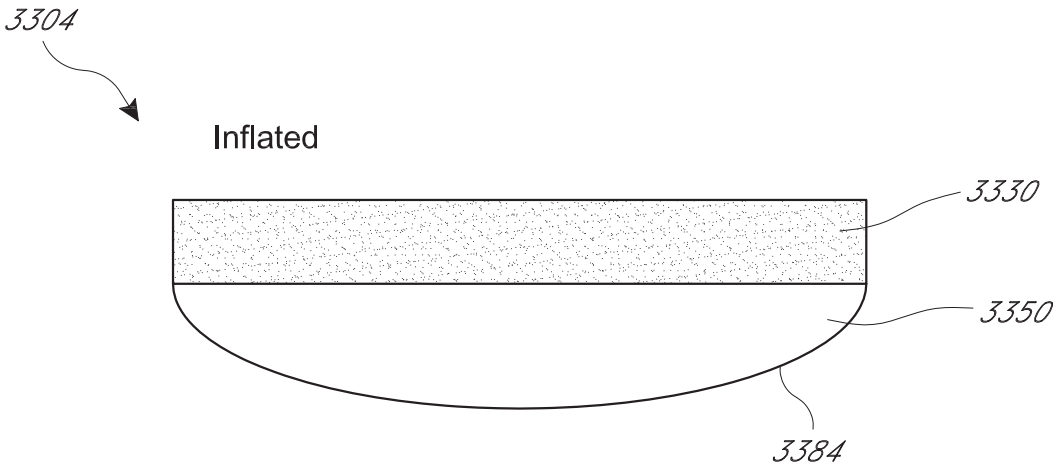



Fig. 29b

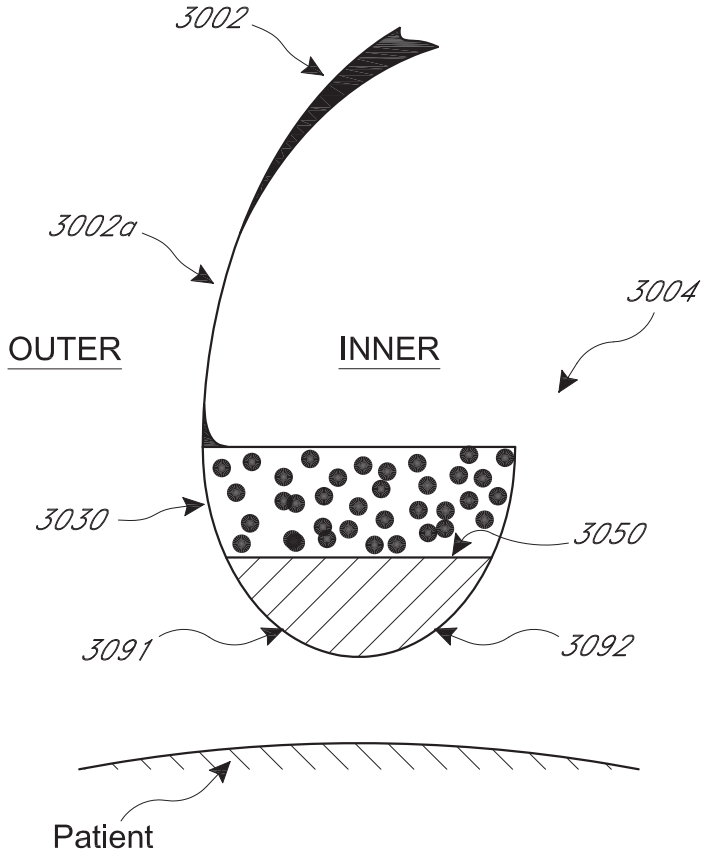

3002
3002a
3004
OUTER
INNER
3030
3050
3091
3092
Patient

Fig. 30

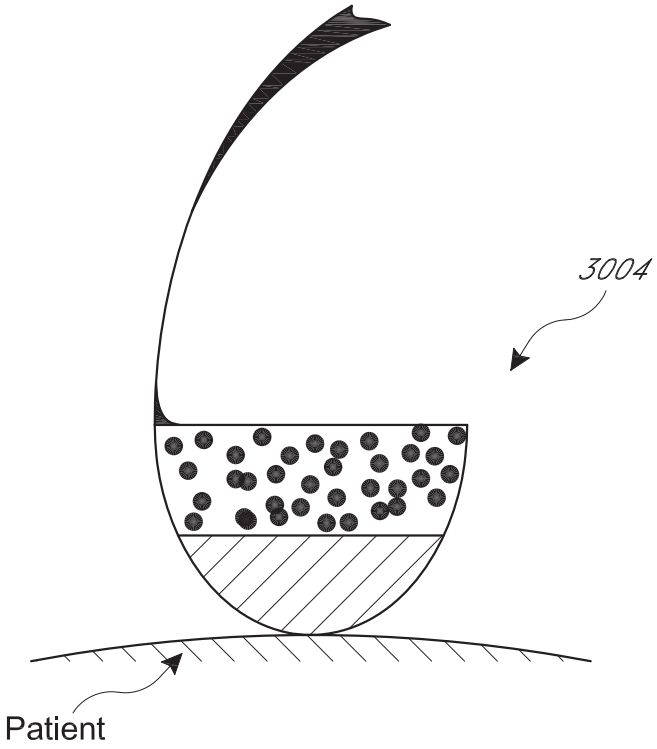

3004
Patient

Fig. 31

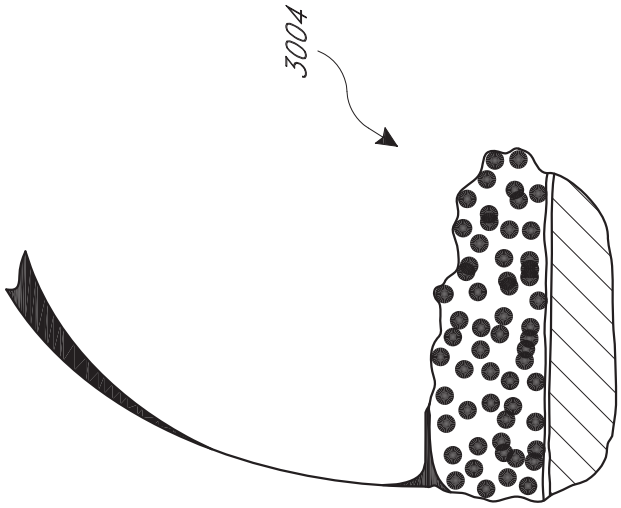



Fig. 33

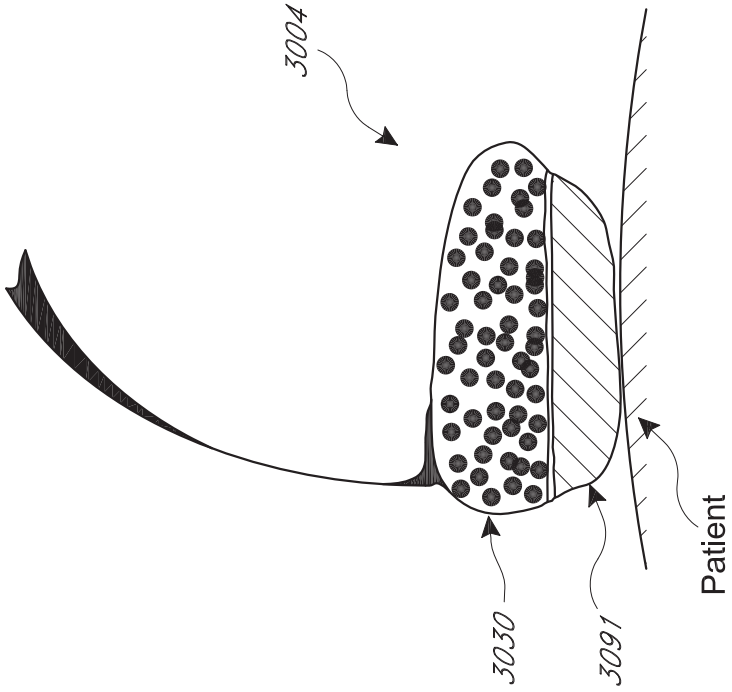



Fig. 32

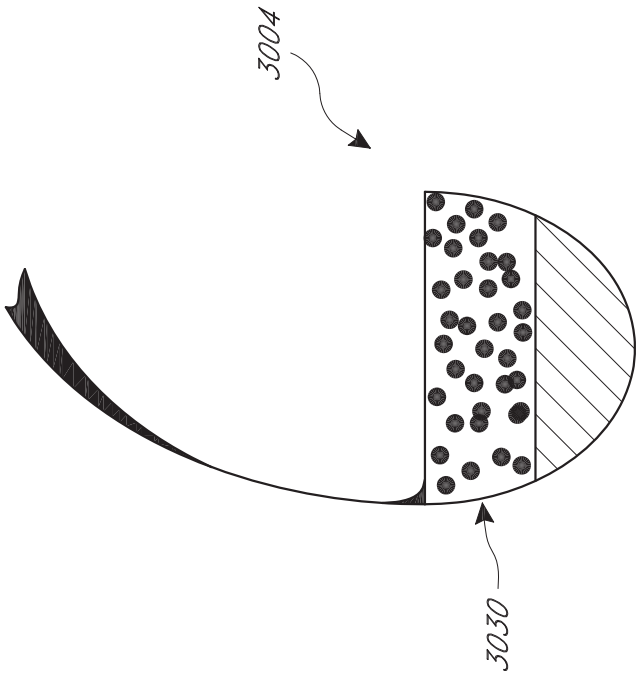



Fig. 35

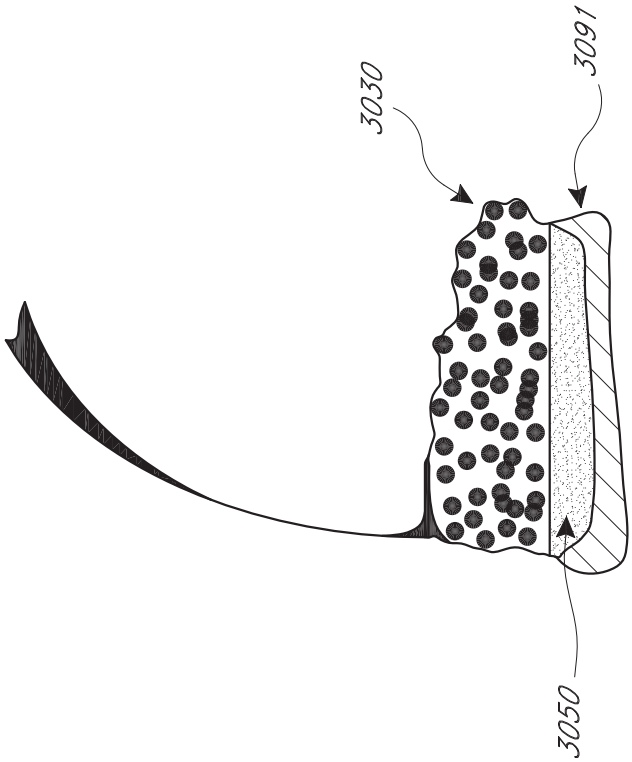



Fig. 34

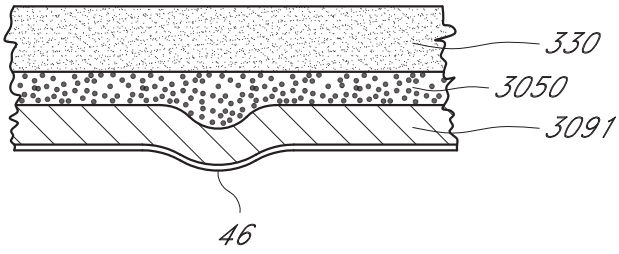



*Fig. 36*

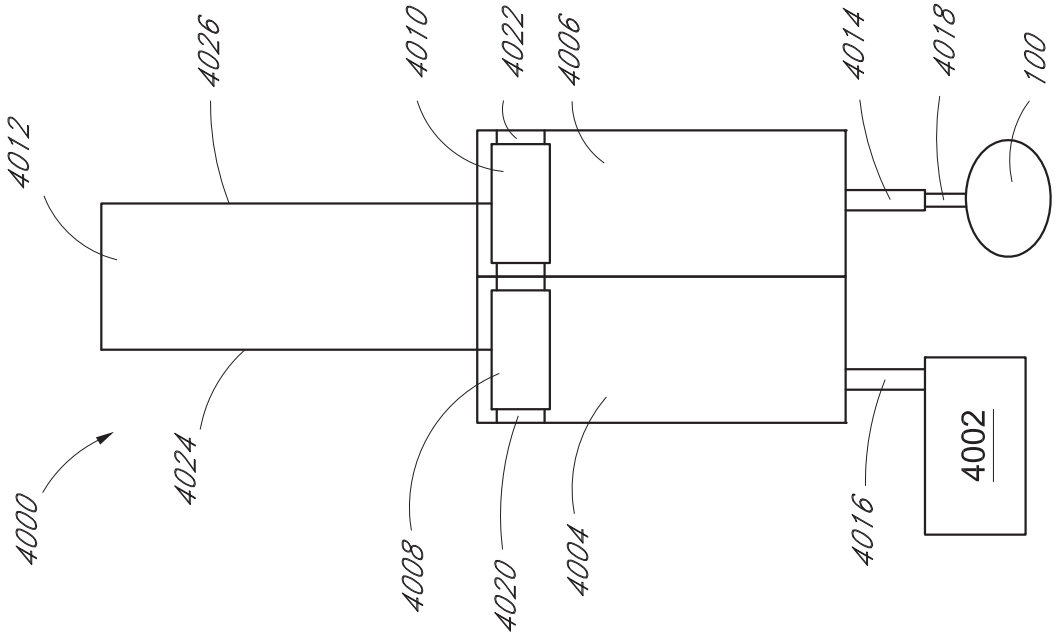

4000
4012
4026
4024
4010
4022
4006
4008
4020
4004
4014
4018
100
4016
4002

Fig. 38

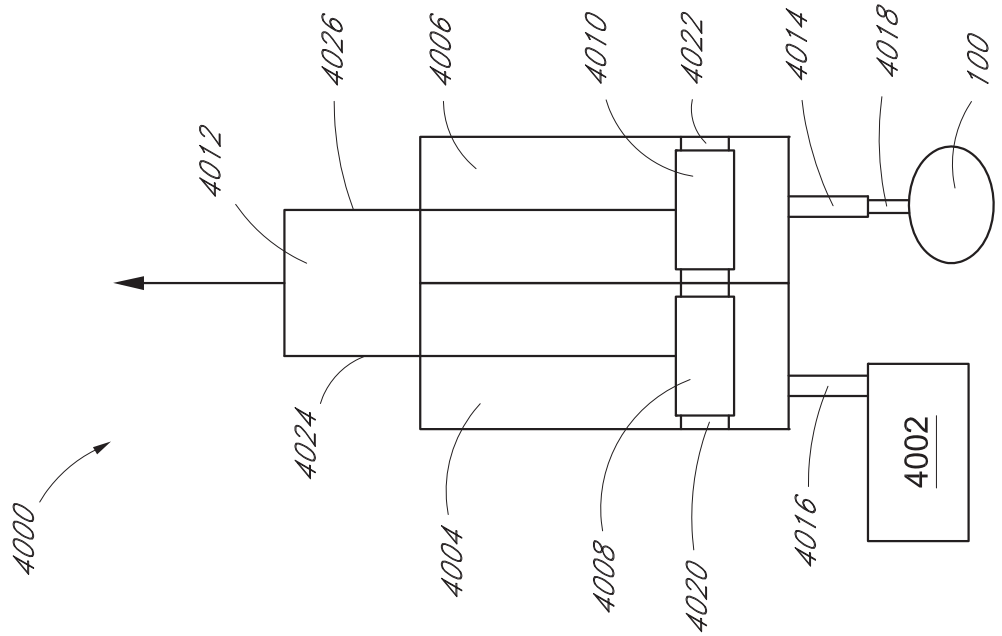

4000
4012
4026
4024
4006
4010
4022
4004
4008
4020
4014
4018
100
4016
4002

Fig. 37

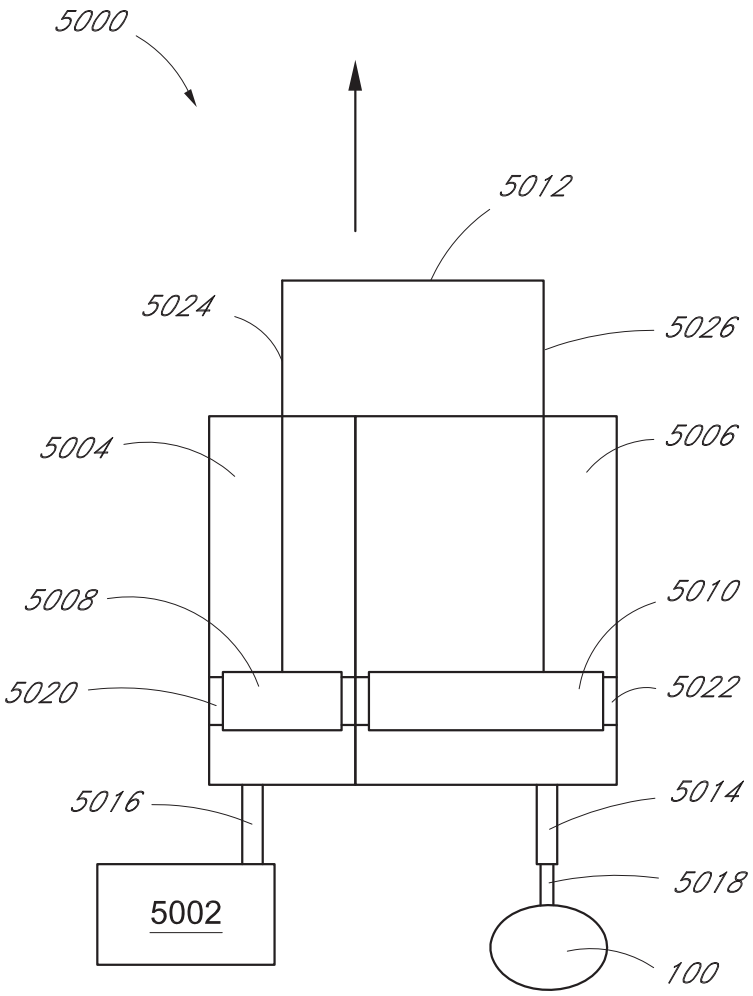

5000
5012
5024
5026
5004
5006
5008
5010
5020
5022
5016
5014
5018
5002
100

*Fig. 39*

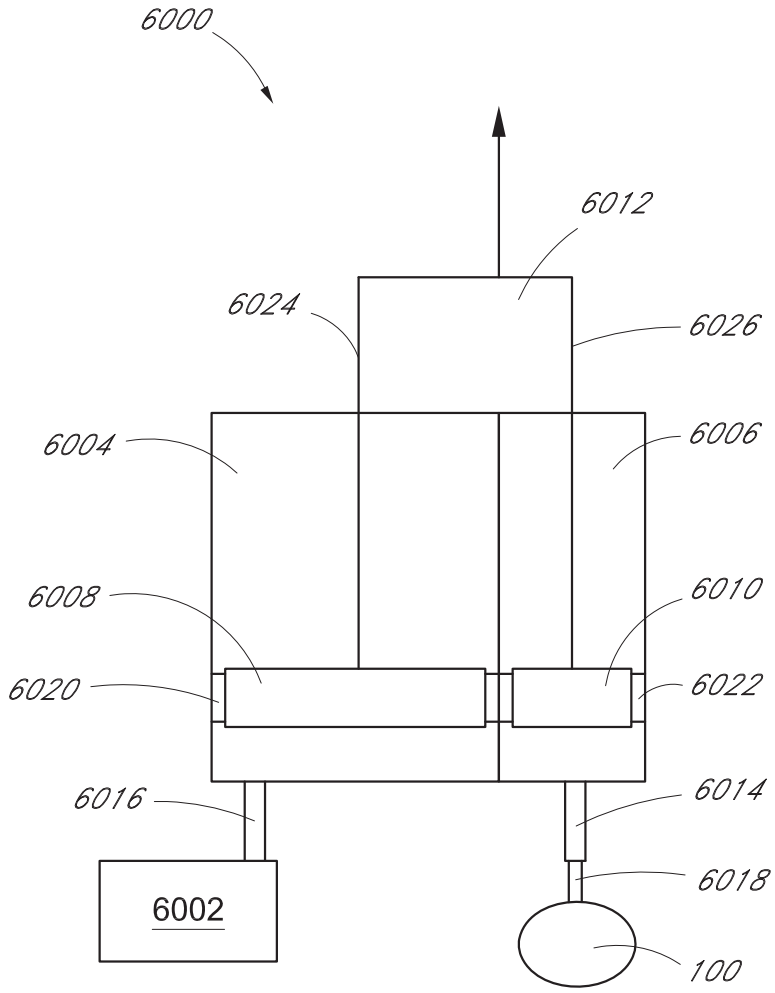

6000
6012
6024
6026
6004
6006
6008
6010
6020
6022
6016
6014
6018
6002
100

*Fig. 40*

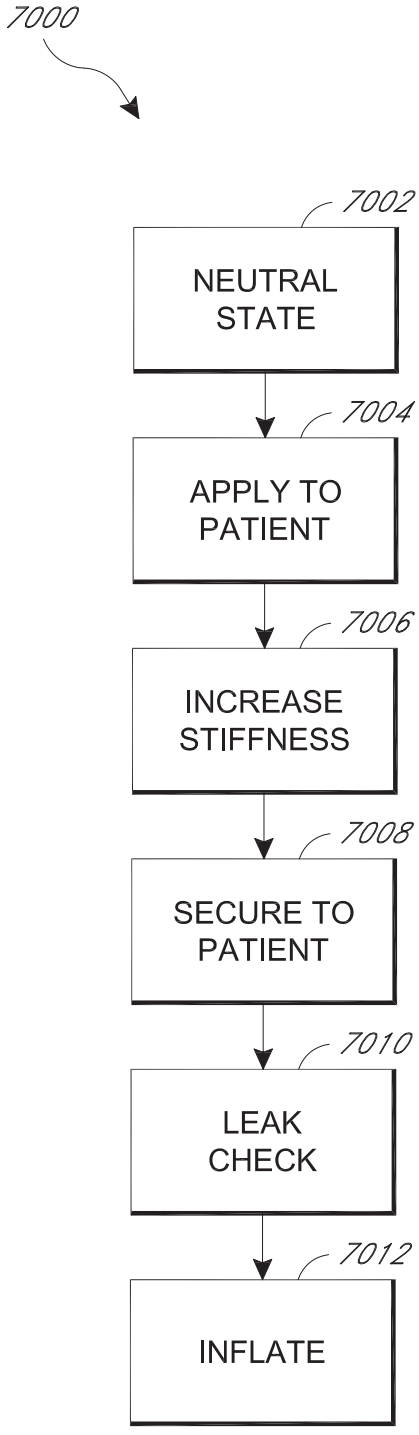

7000
7002
NEUTRAL STATE
7004
APPLY TO PATIENT
7006
INCREASE STIFFNESS
7008
SECURE TO PATIENT
7010
LEAK CHECK
7012
INFLATE

*Fig. 41*