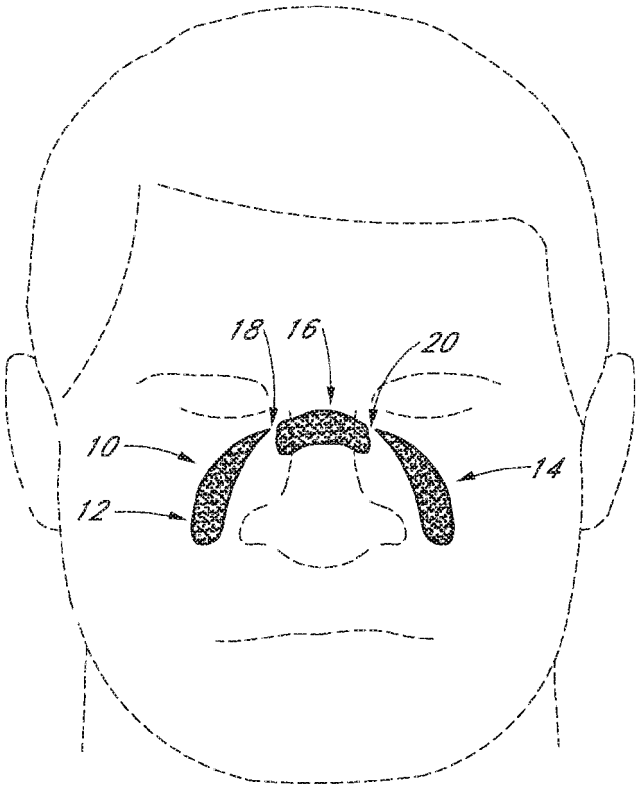


Fig. 1

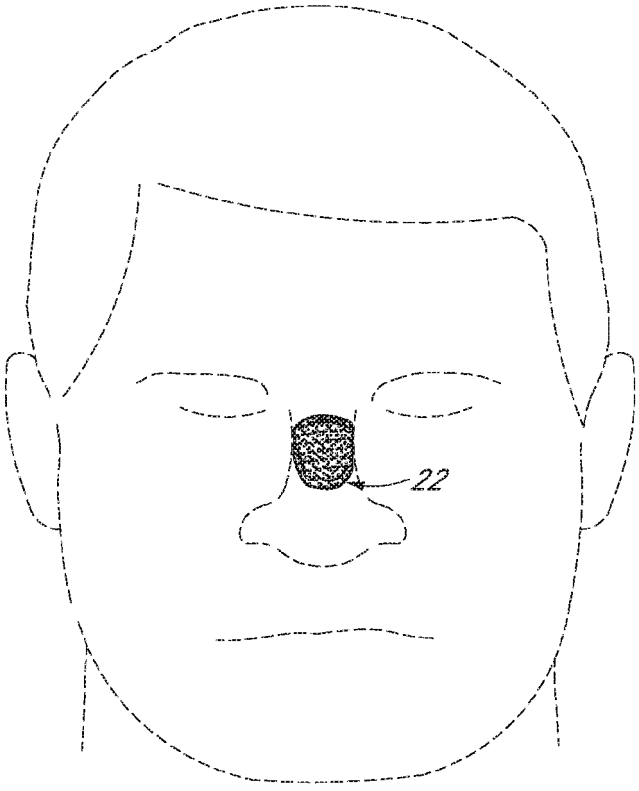


Fig. 2

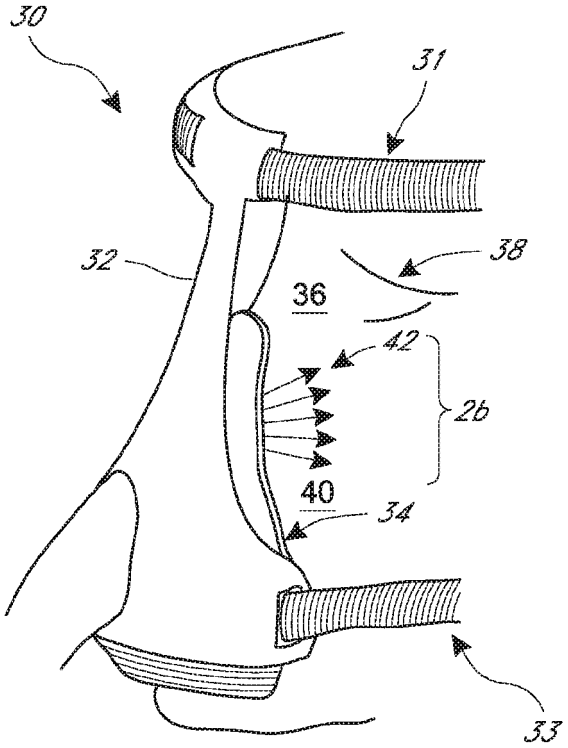


Fig. 2a

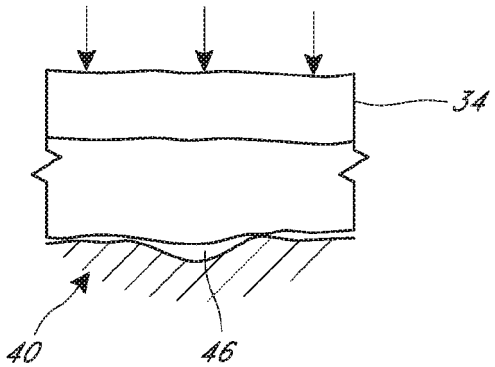


Fig. 2b

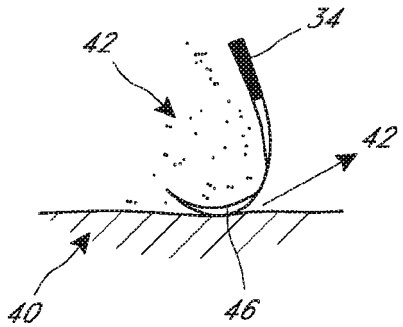


Fig. 2c

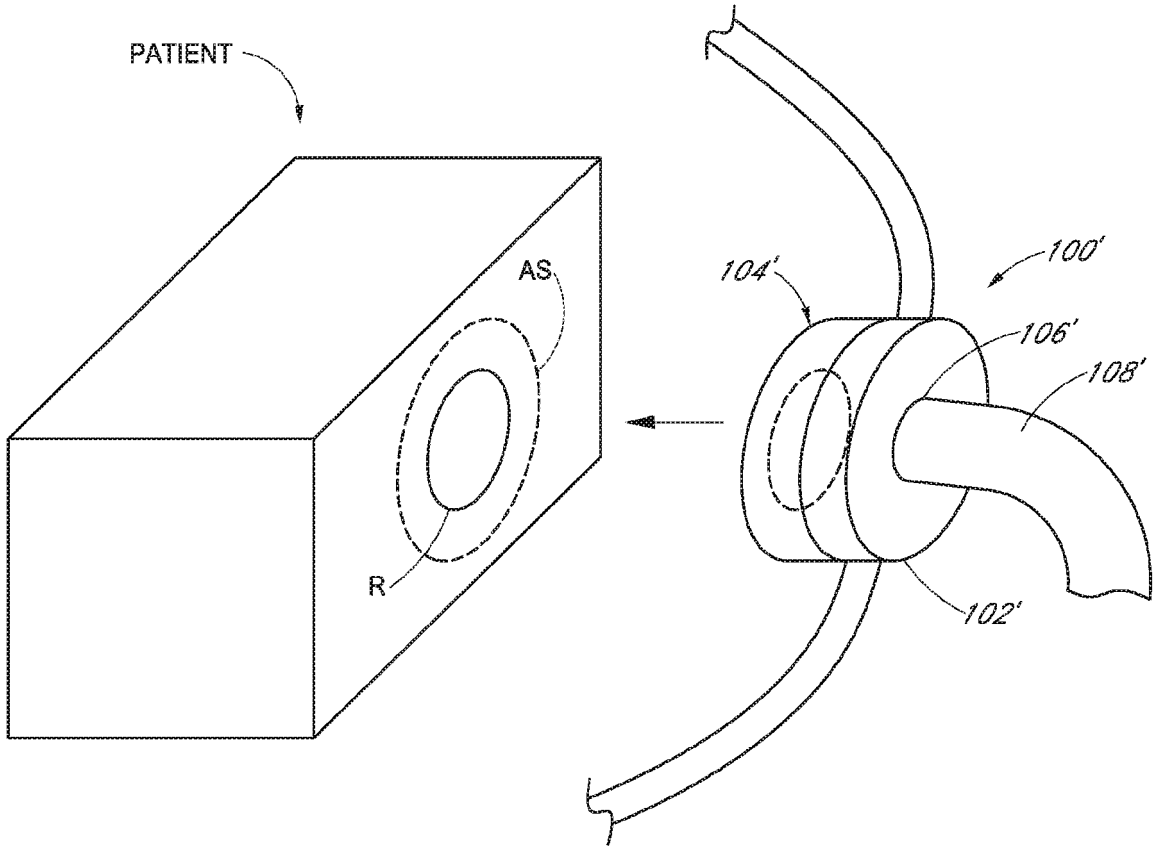


Fig. 3

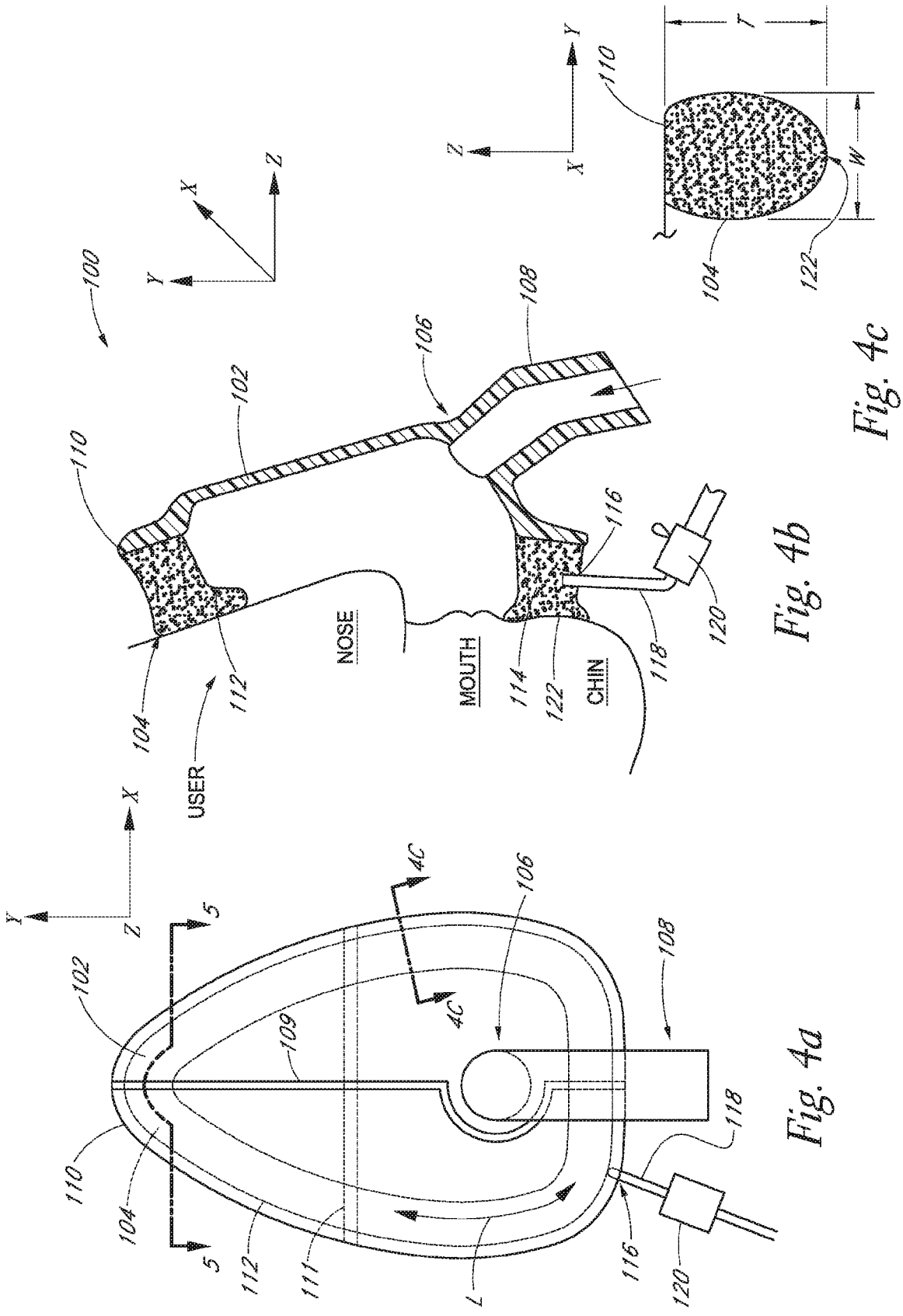


Fig. 4a

Fig. 4b

Fig. 4c

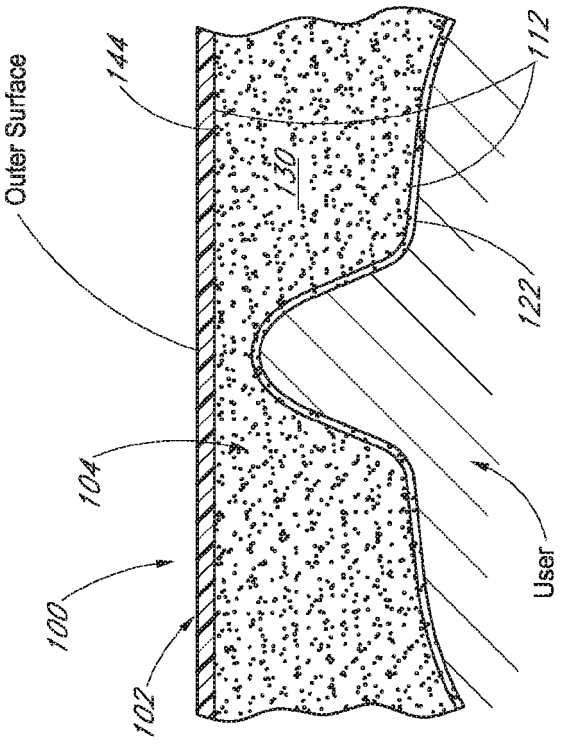

Outer Surface
144
112
130
122
104
100
102
User

Fig. 5b

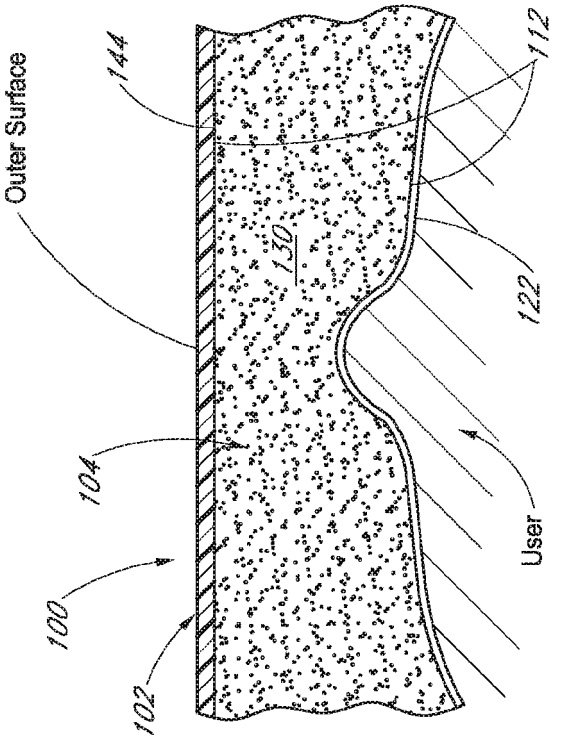

Outer Surface
144
112
130
122
104
100
102
User

Fig. 5a

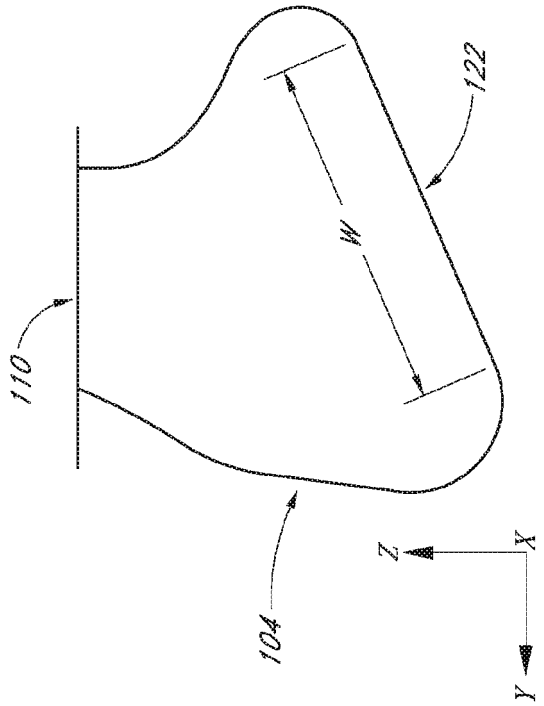


Fig. 5d

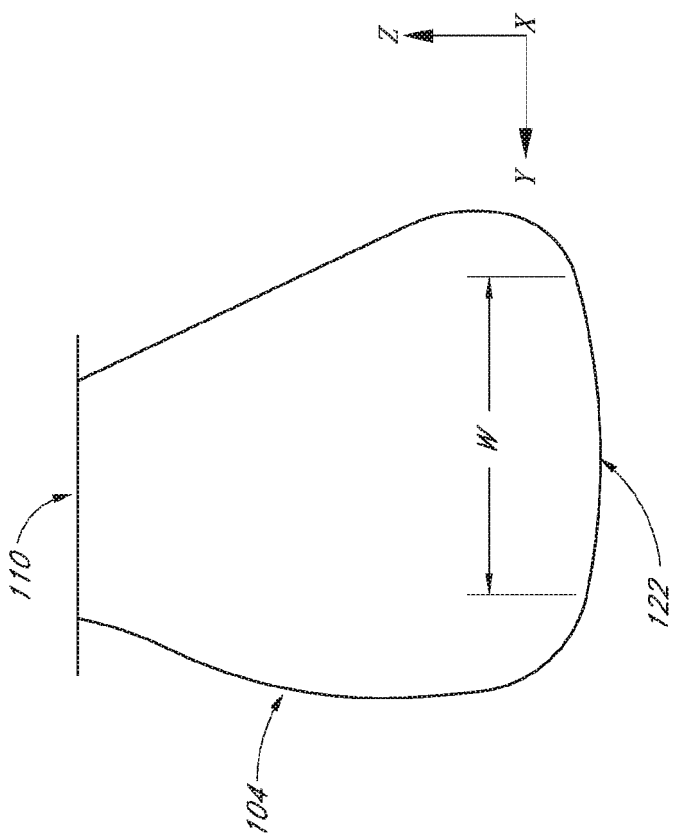


Fig. 5c

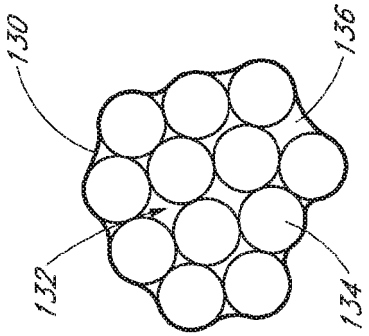


Fig. 6c

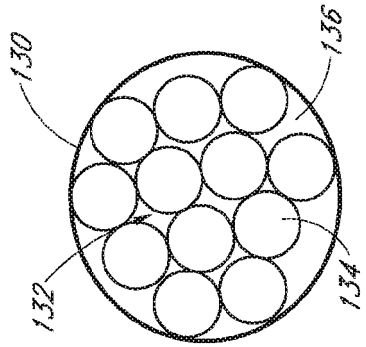


Fig. 6b

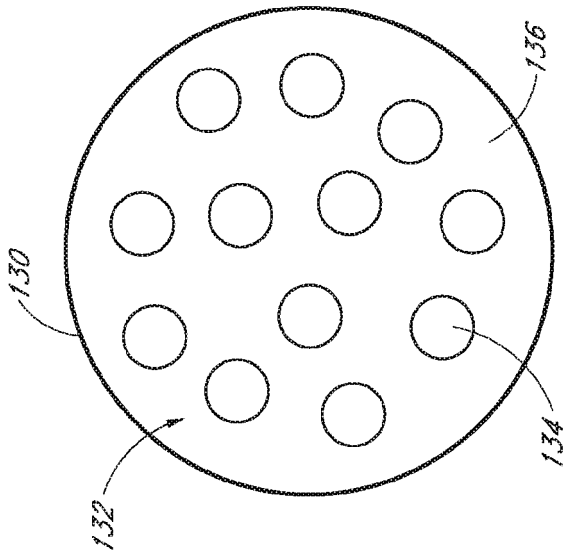


Fig. 6a

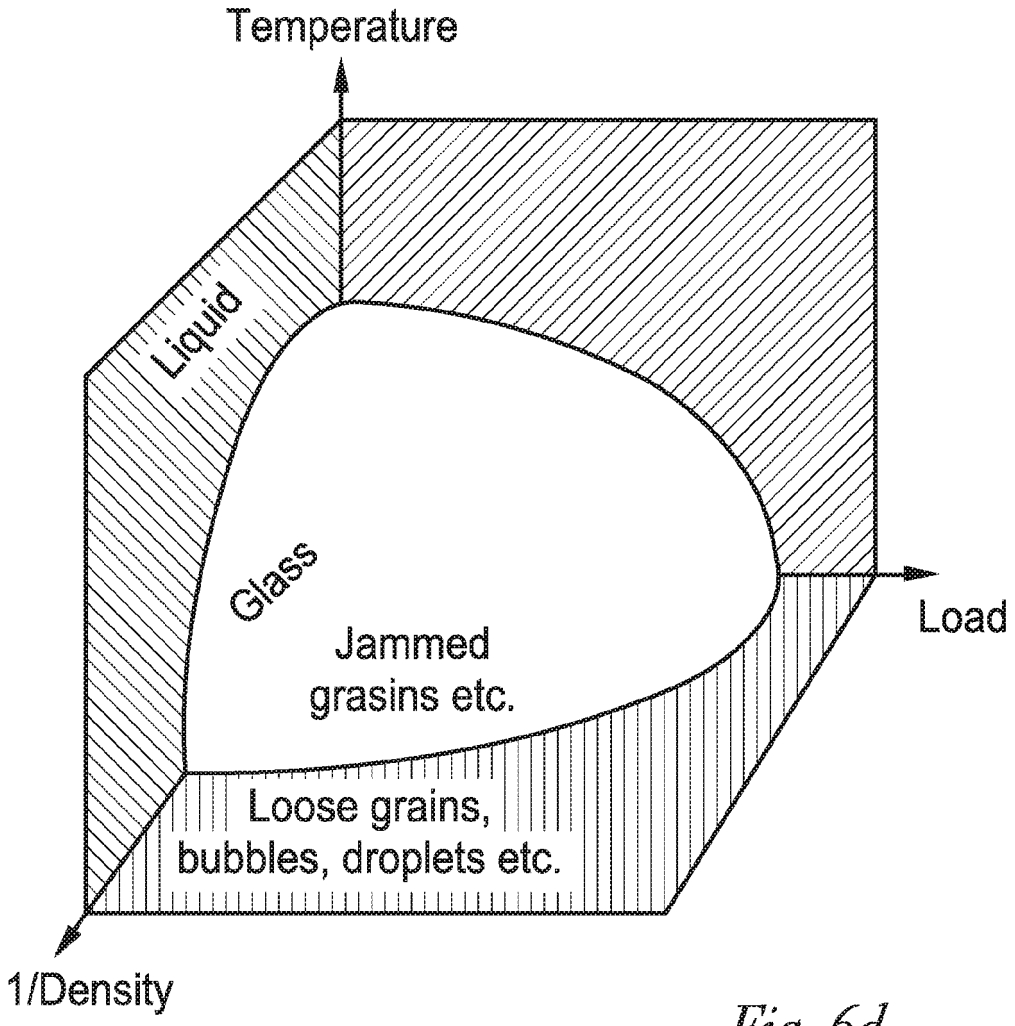

Temperature
Liquid
Glass
Jammed
grasins etc.
Loose grains,
bubbles, droplets etc.
Load
1/Density

Fig. 6d

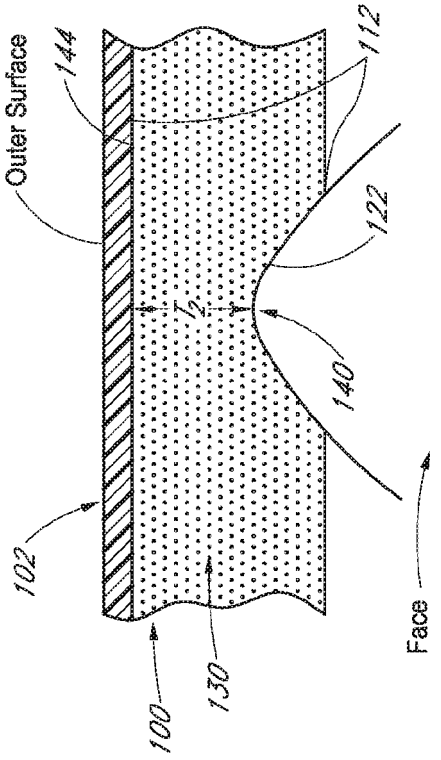


Fig. 7b

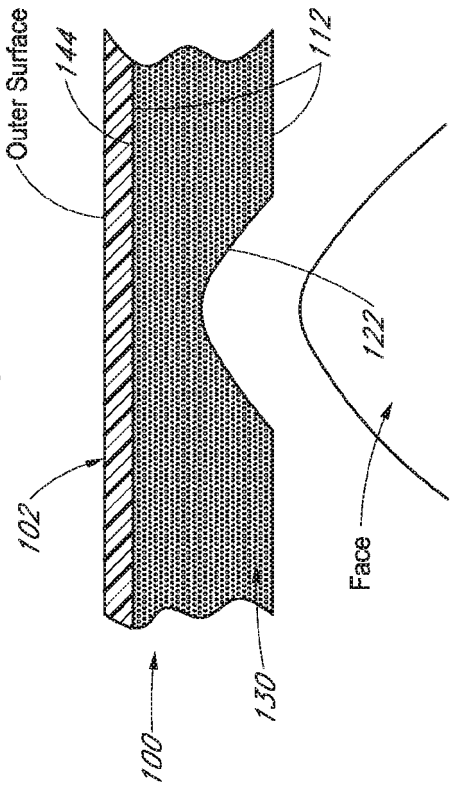


Fig. 7d

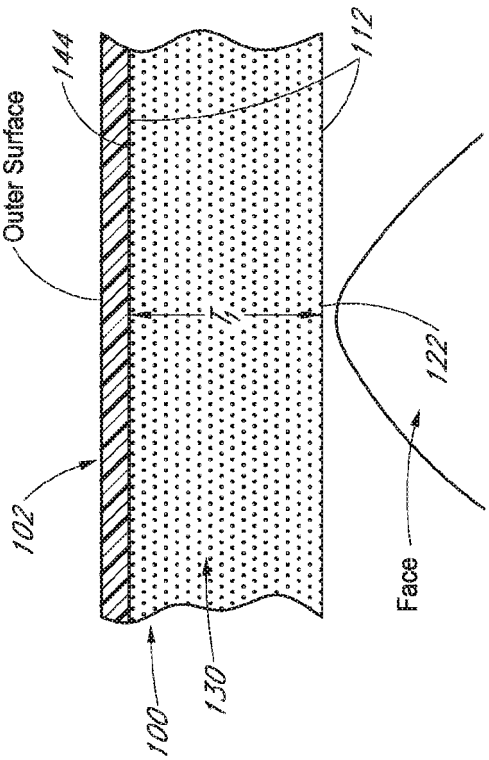


Fig. 7a

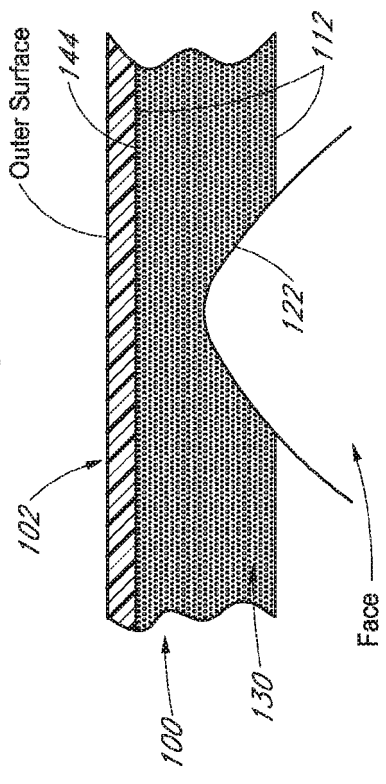


Fig. 7c

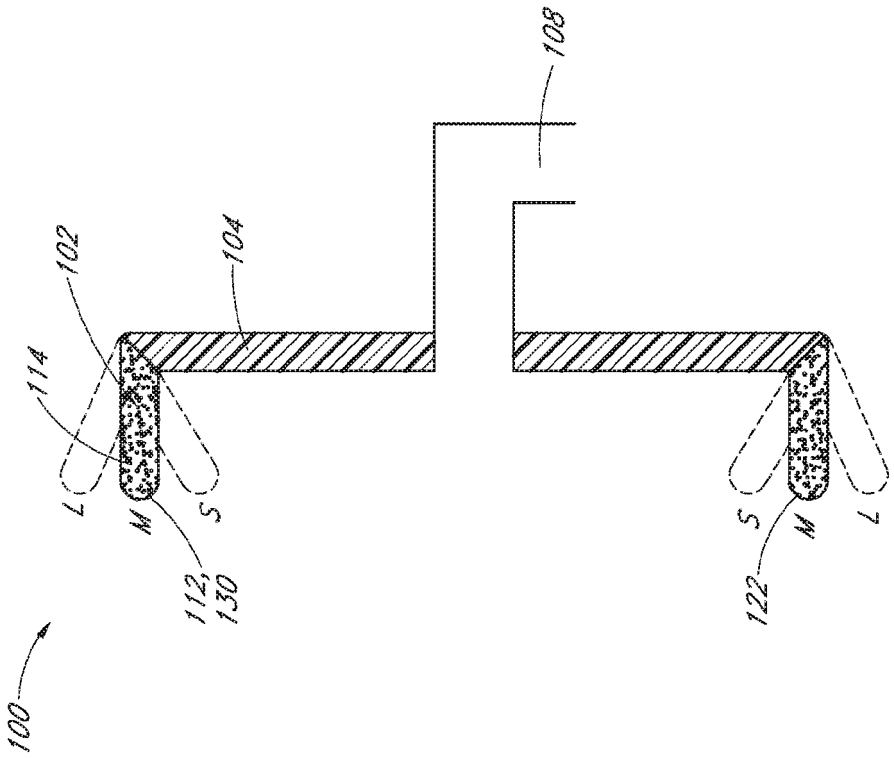


Fig. 9

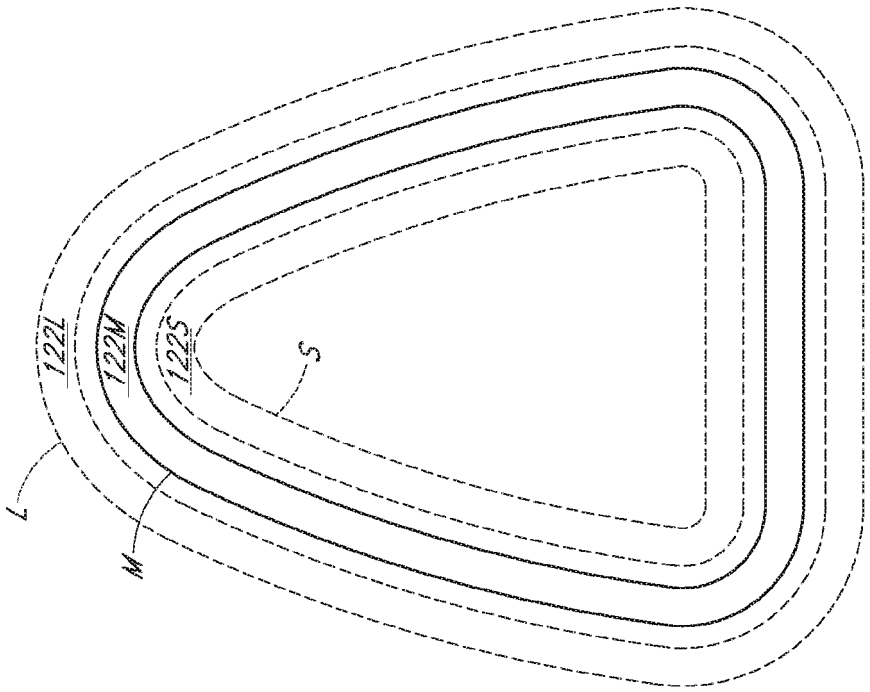


Fig. 8

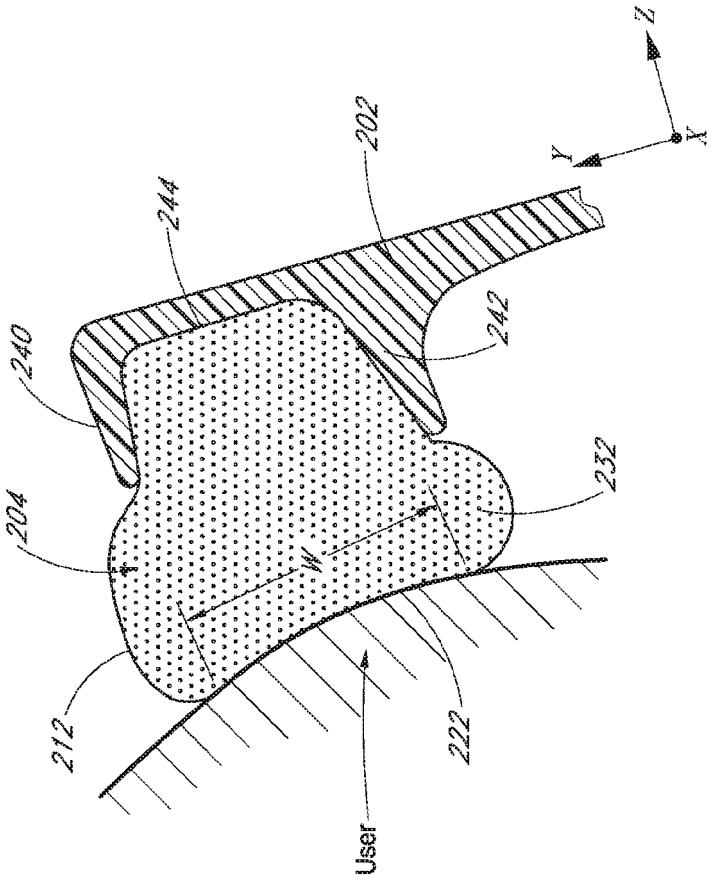


Fig. 10b

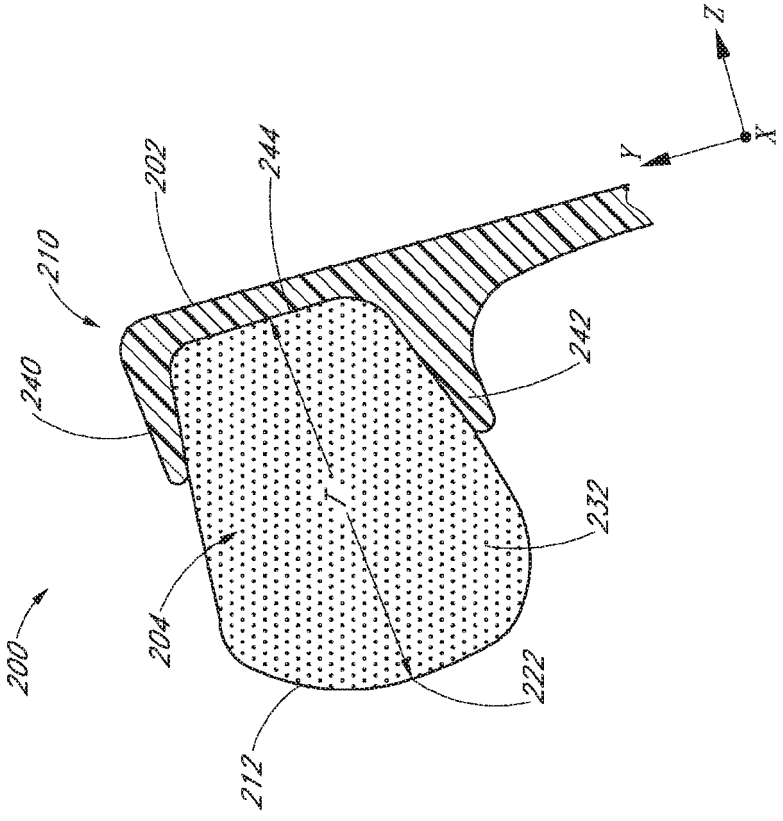


Fig. 10a

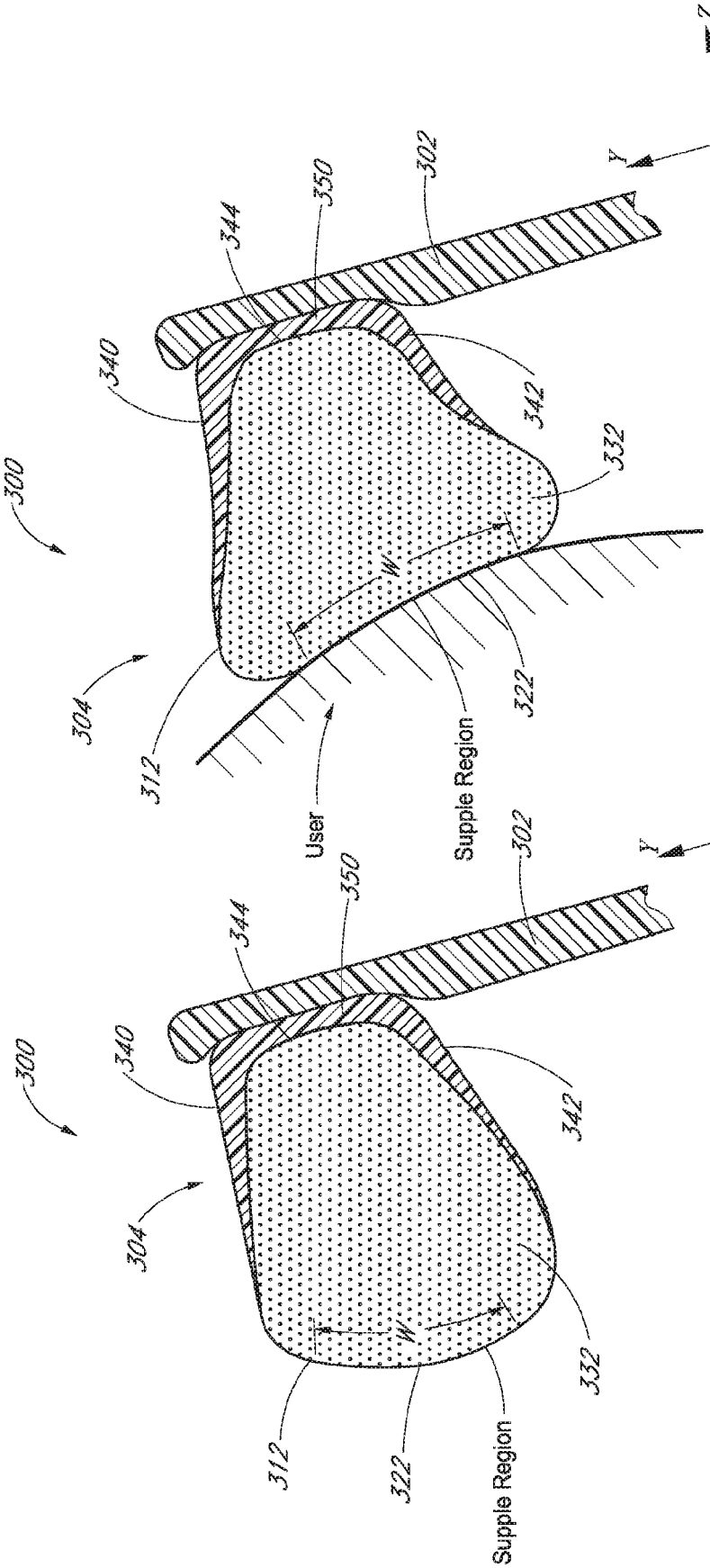


Fig. 11b

Fig. 11a

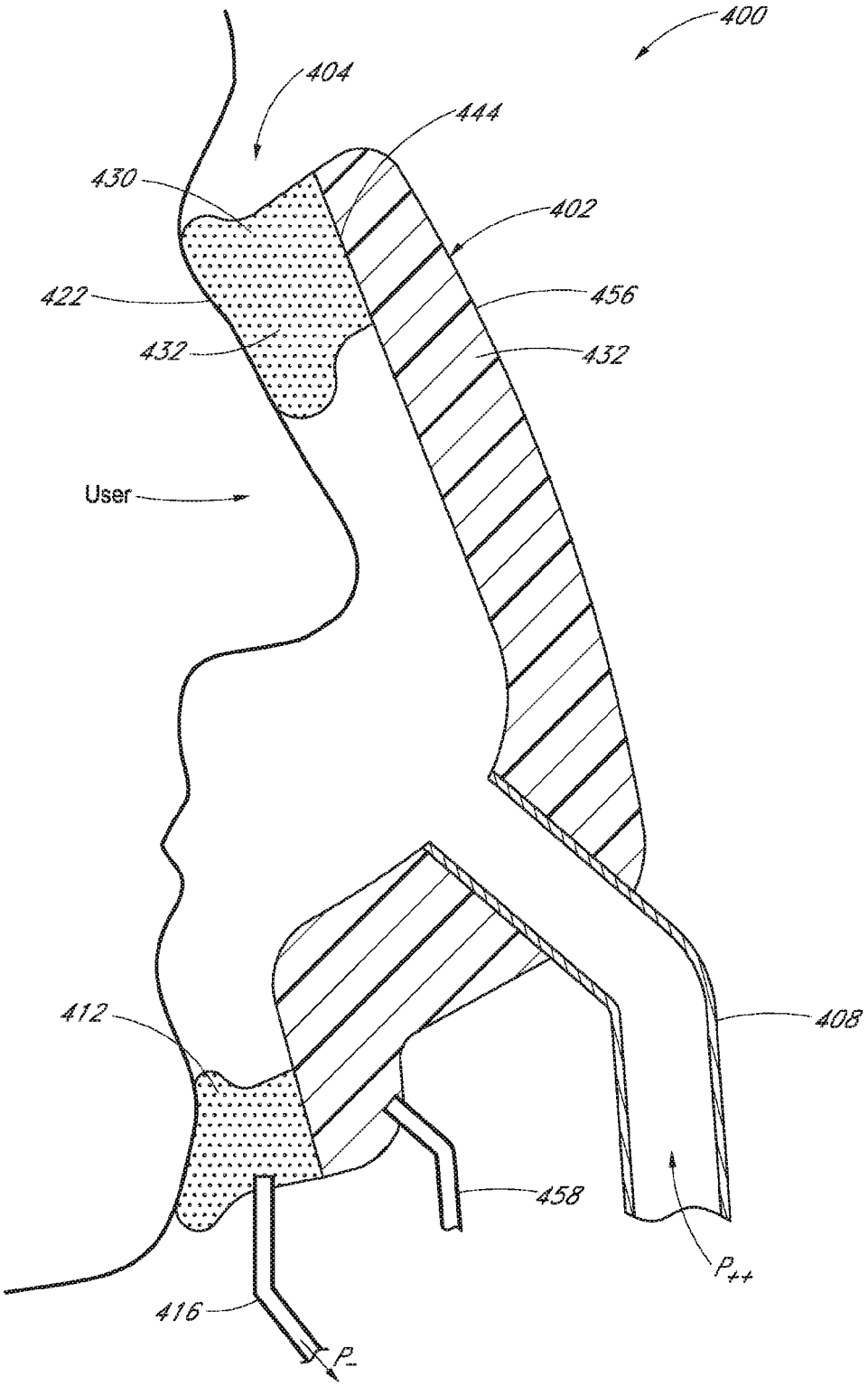


Fig. 12

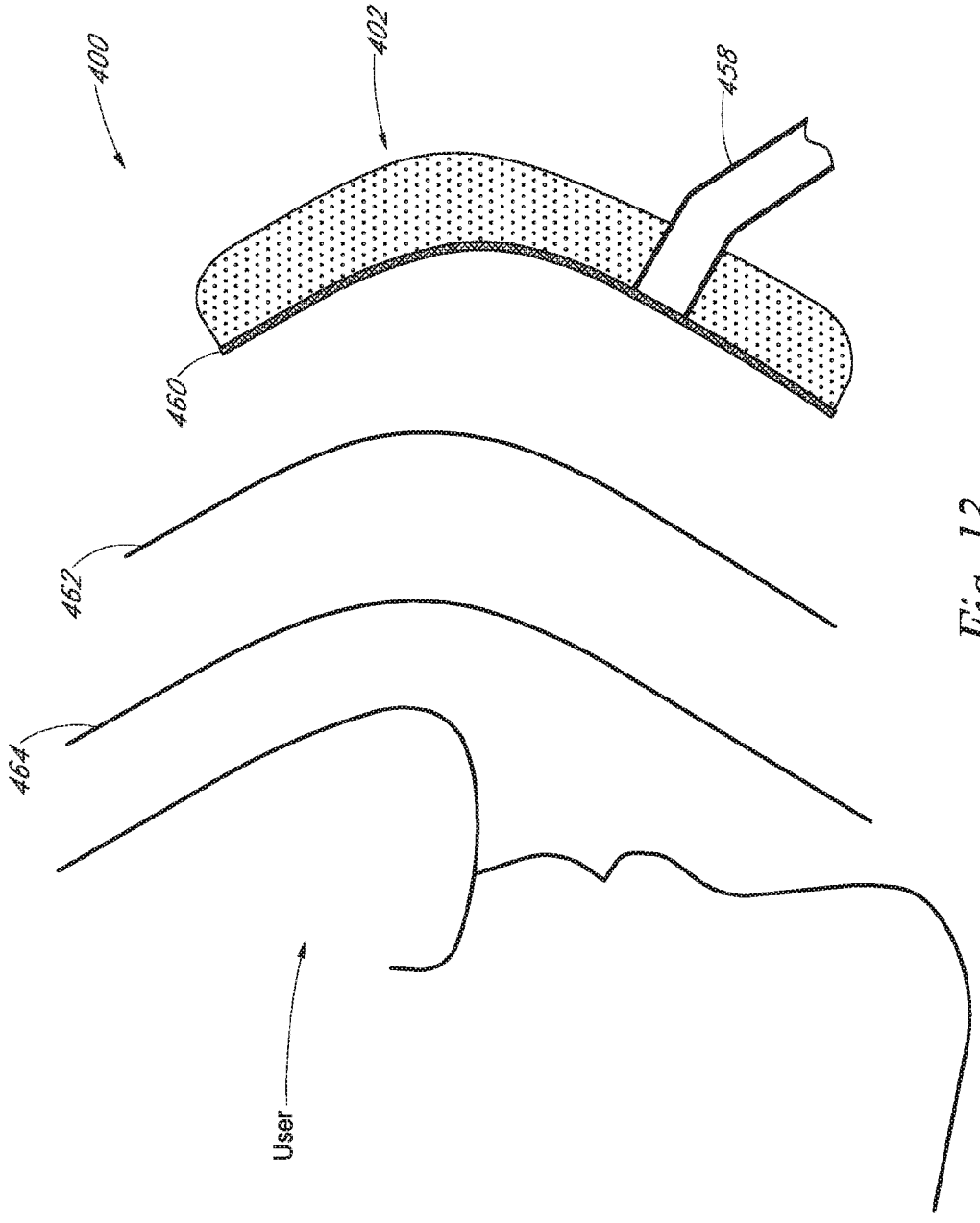


Fig. 13

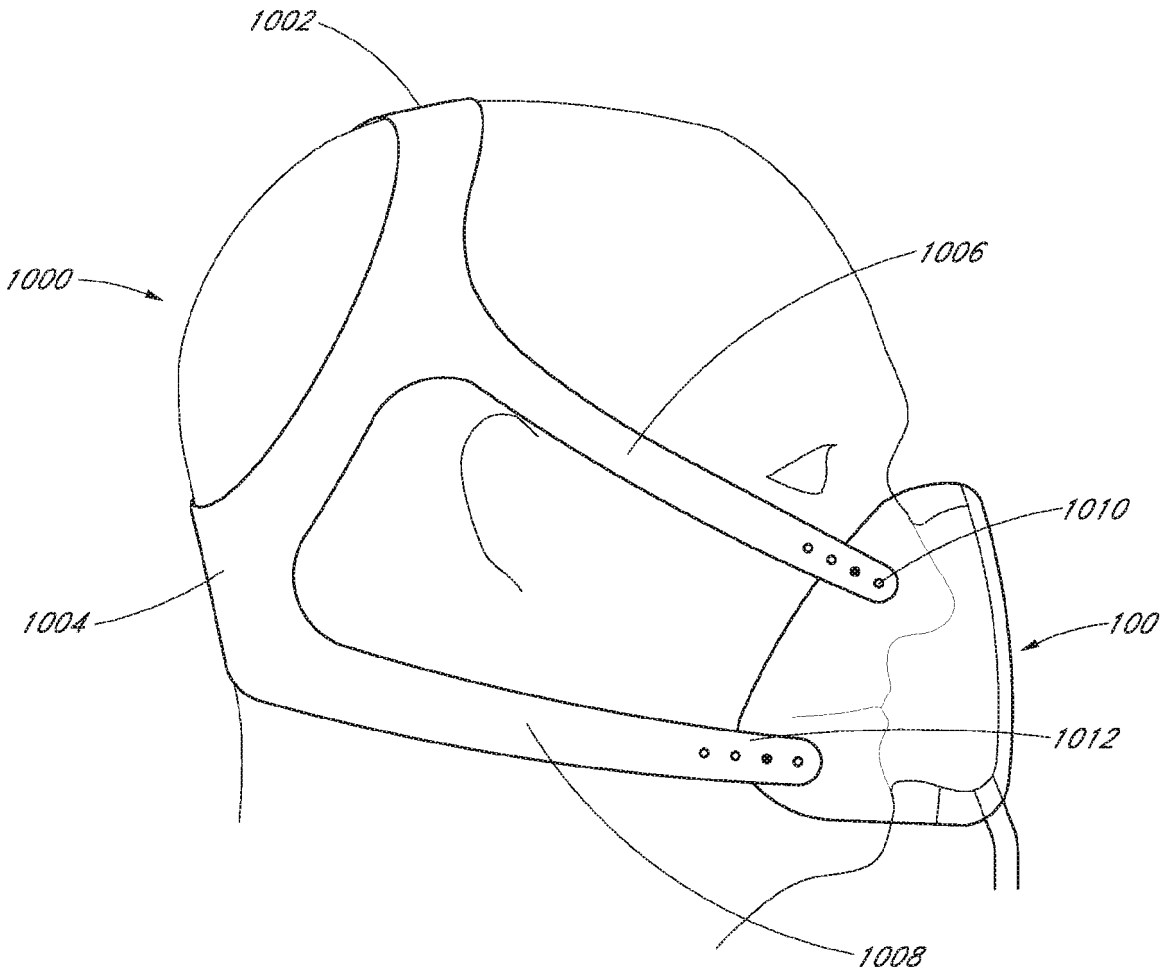


Fig. 14

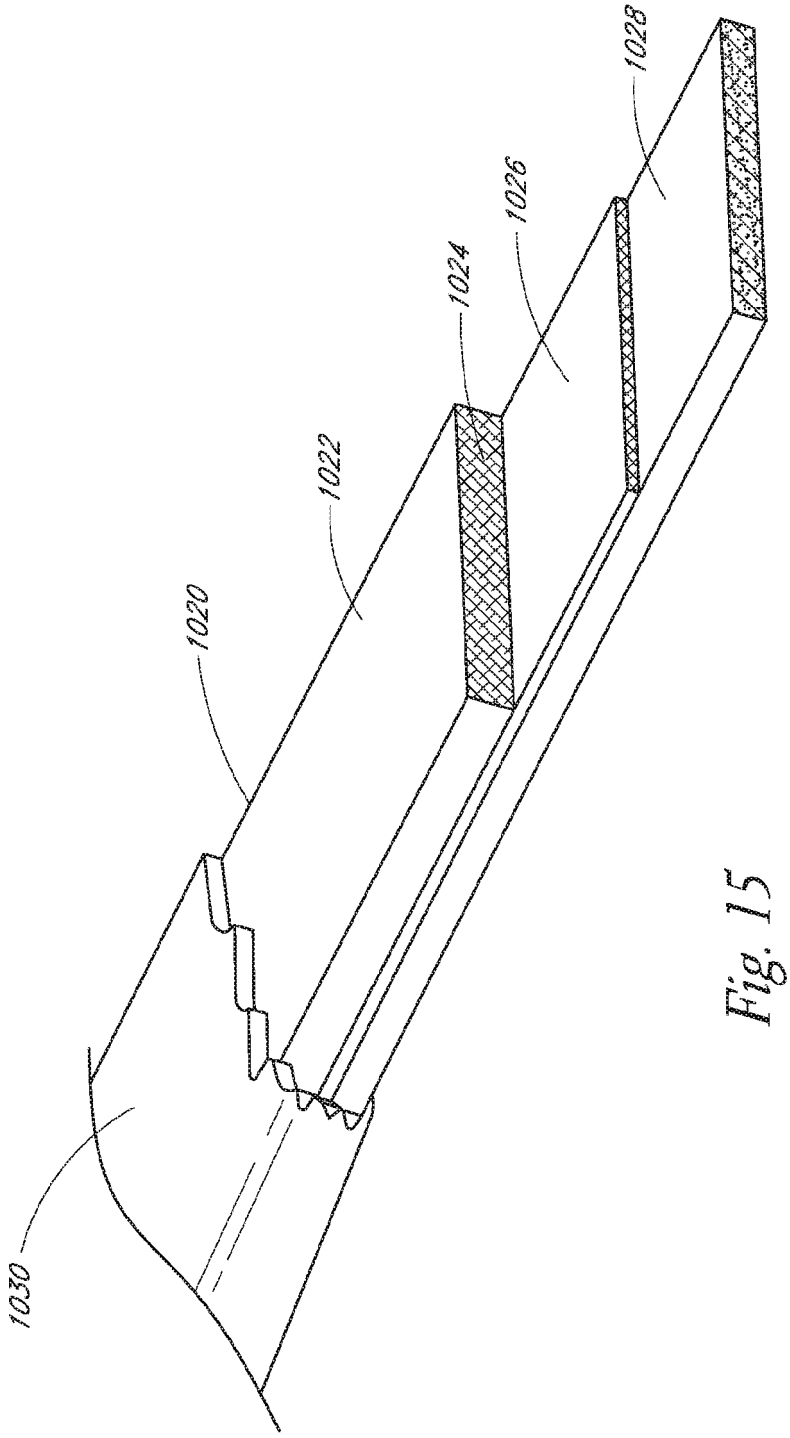


Fig. 15

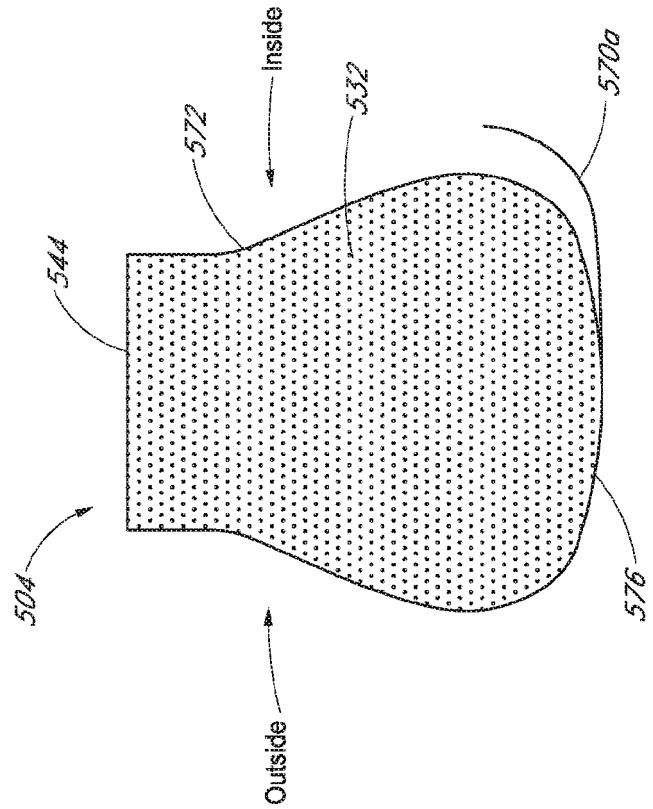


Fig. 16b

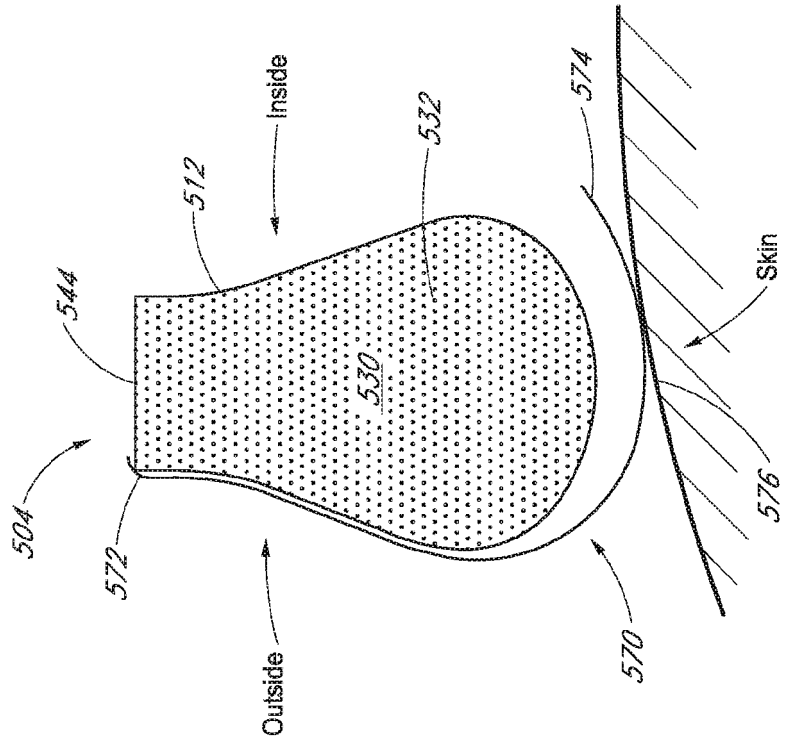


Fig. 16a

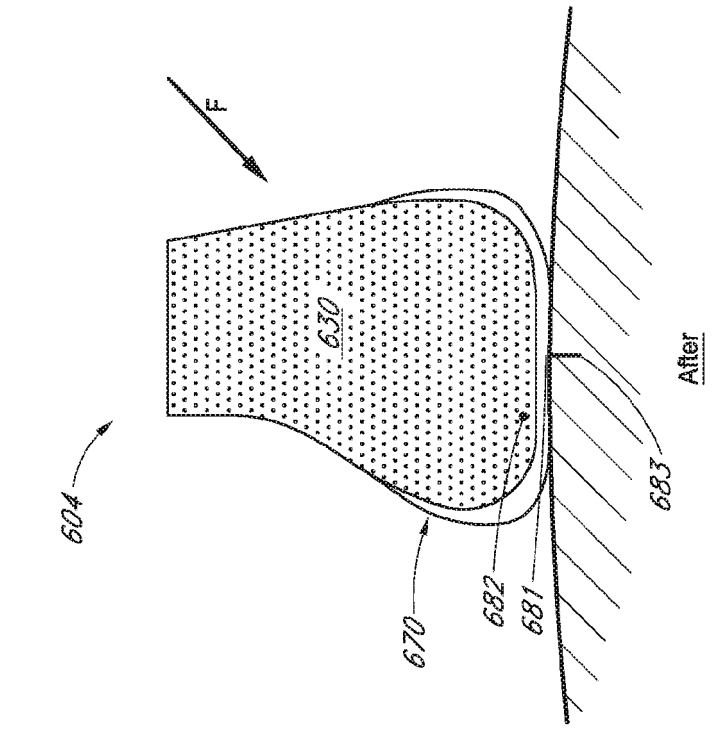


Fig. 17b

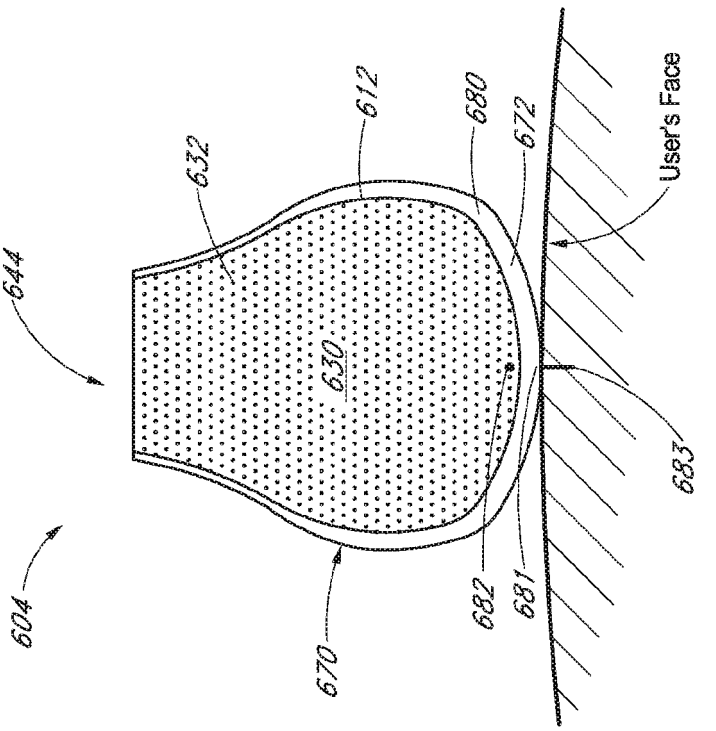


Fig. 17a

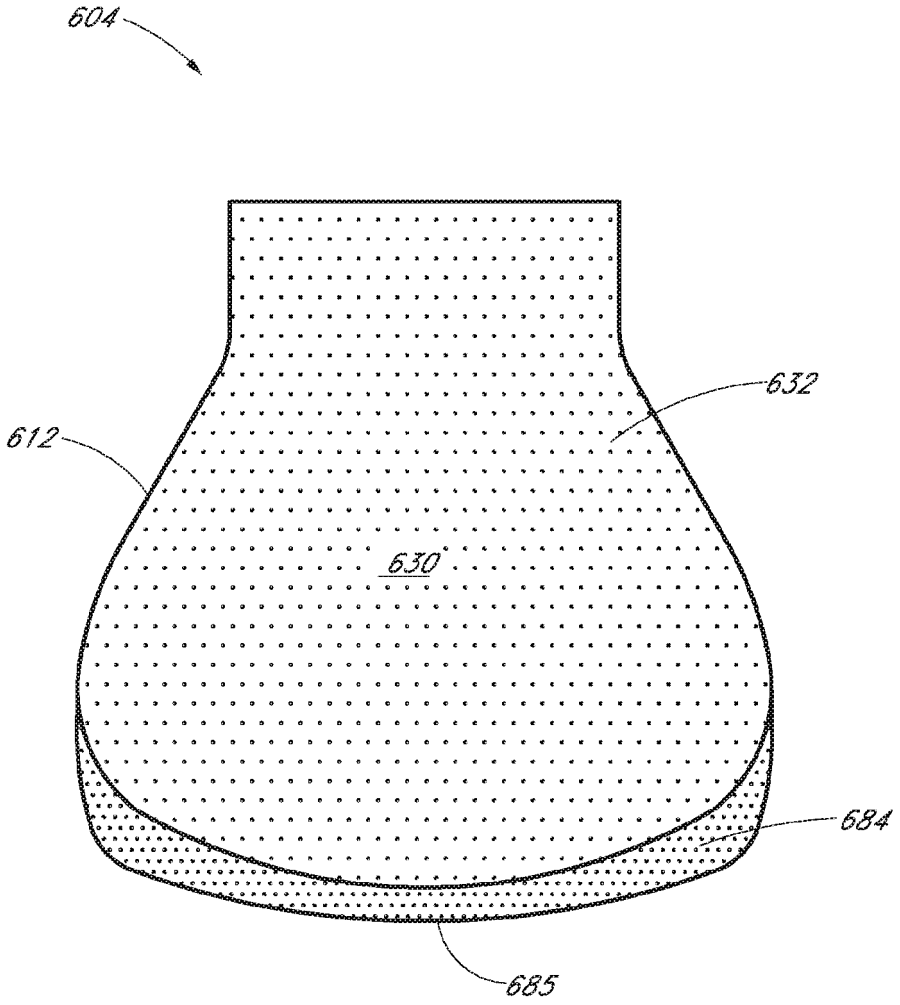


Fig. 18

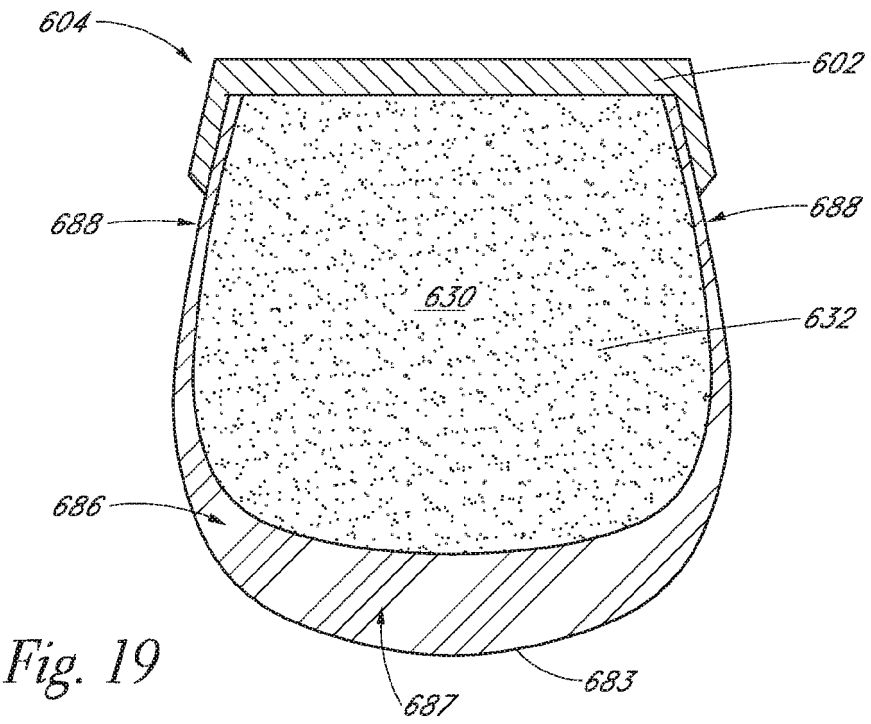

604
602
688
688
630
632
686
687
683

Fig. 19

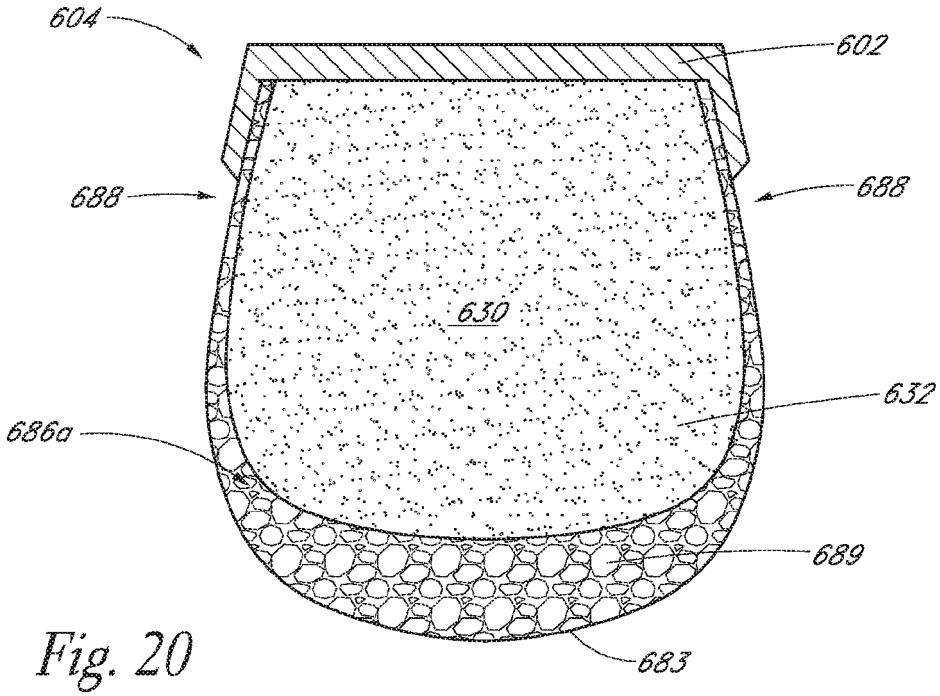

604
602
688
688
630
632
686a
689
683

Fig. 20

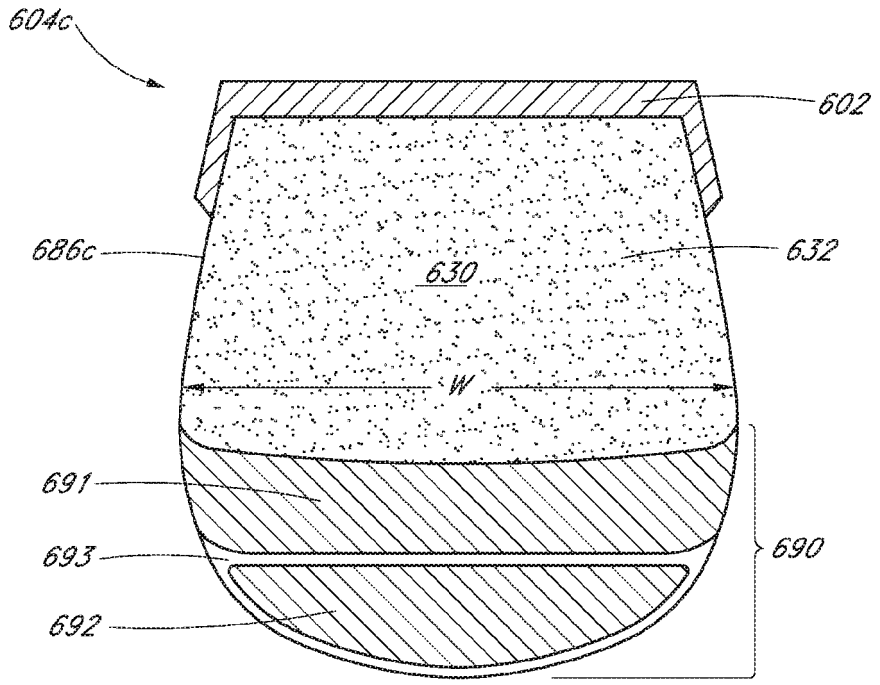


Fig. 21

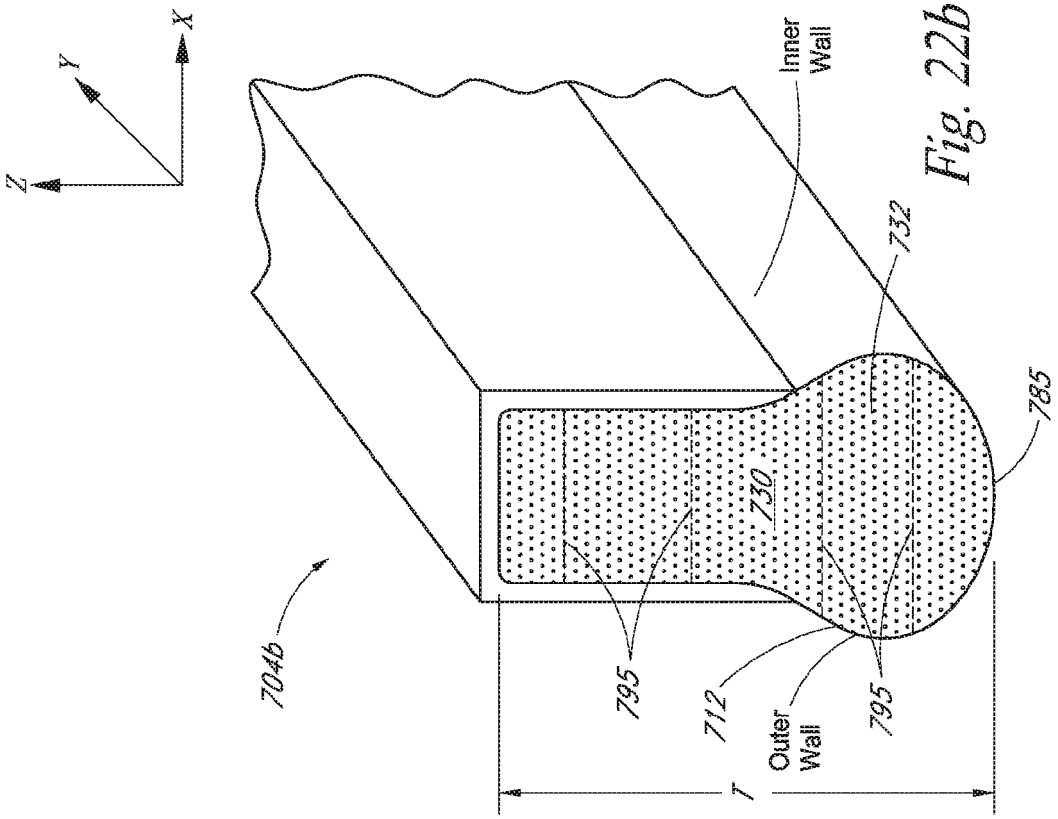


Fig. 22b

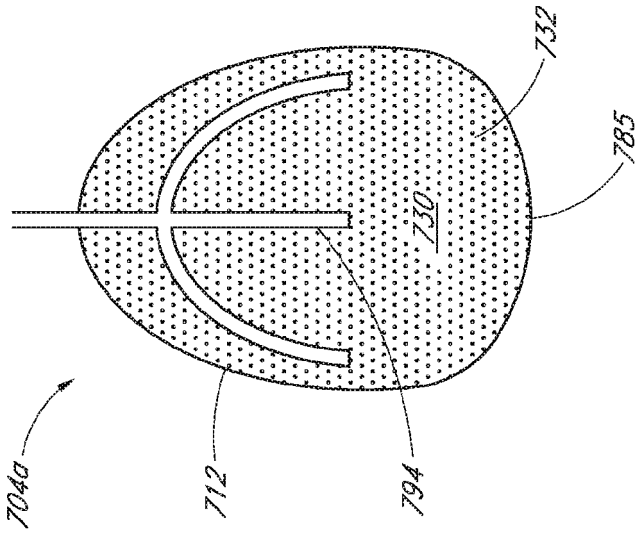


Fig. 22a

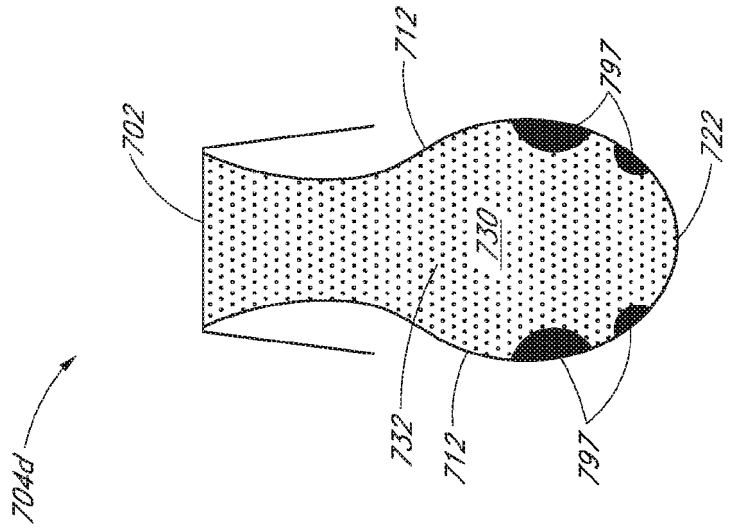


Fig. 22d

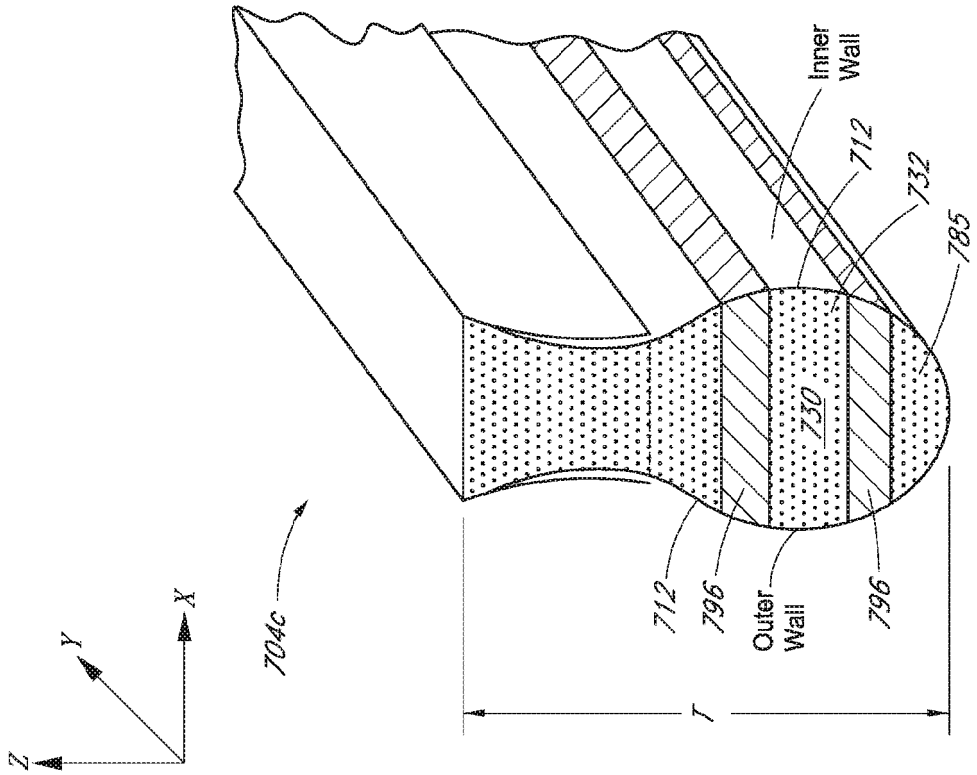
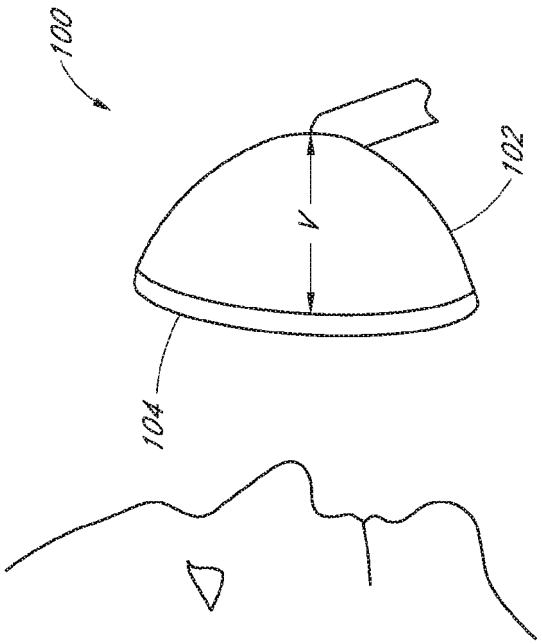


Fig. 22c


100
102
V
104

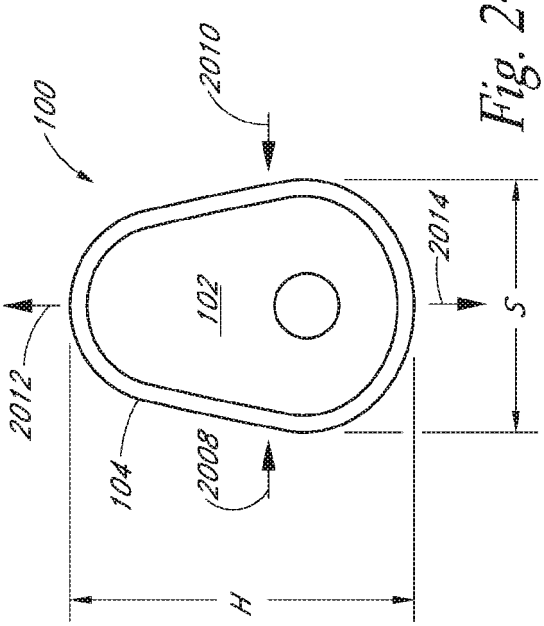
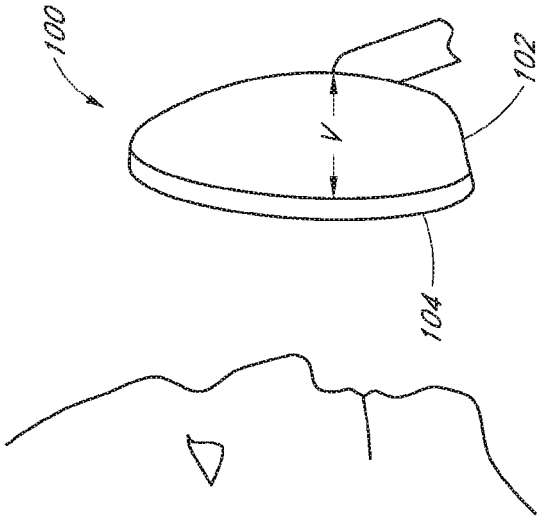

100
2010
102
2012
2014
S
104
2008
H

Fig. 24


100
102
V
104

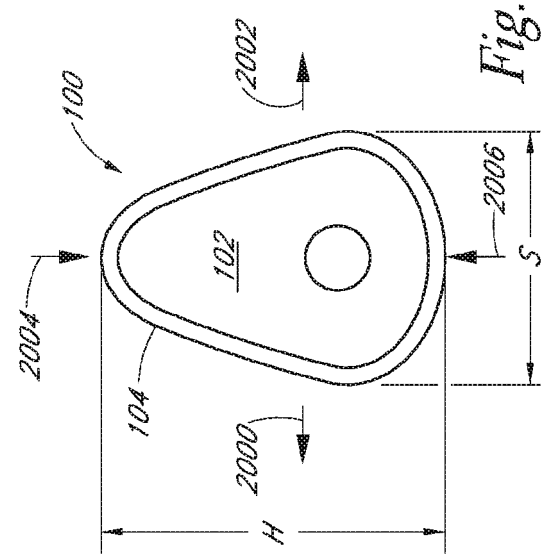

100
2002
102
2004
2006
S
104
2000
H

Fig. 23

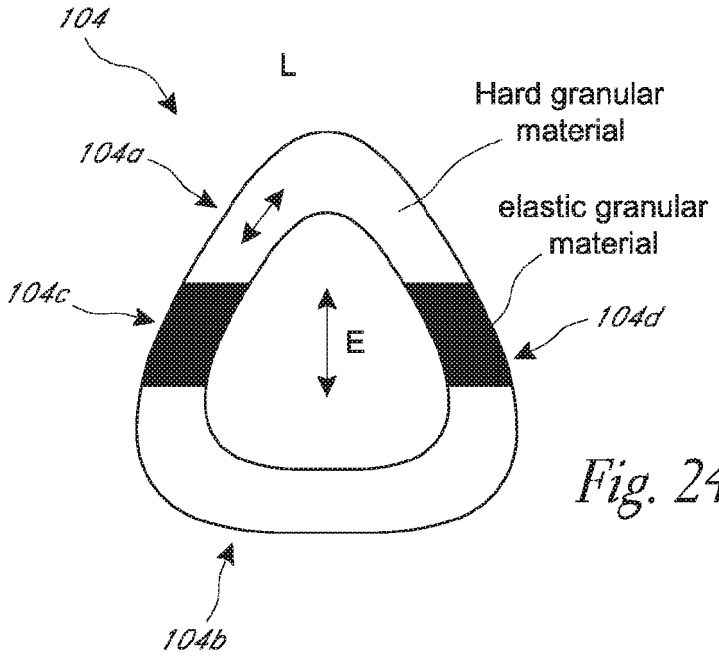


Fig. 24a

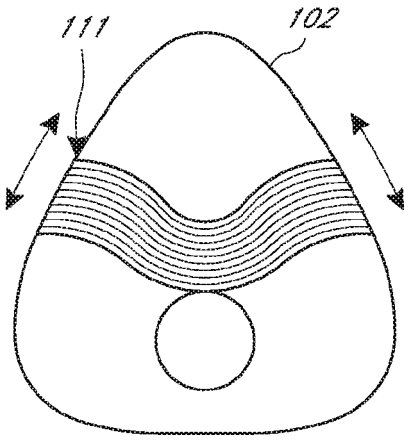


Fig. 24b

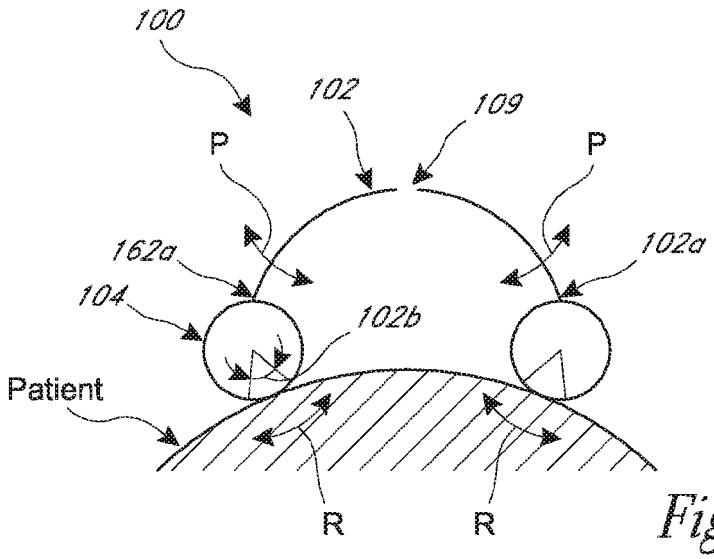


Fig. 24c

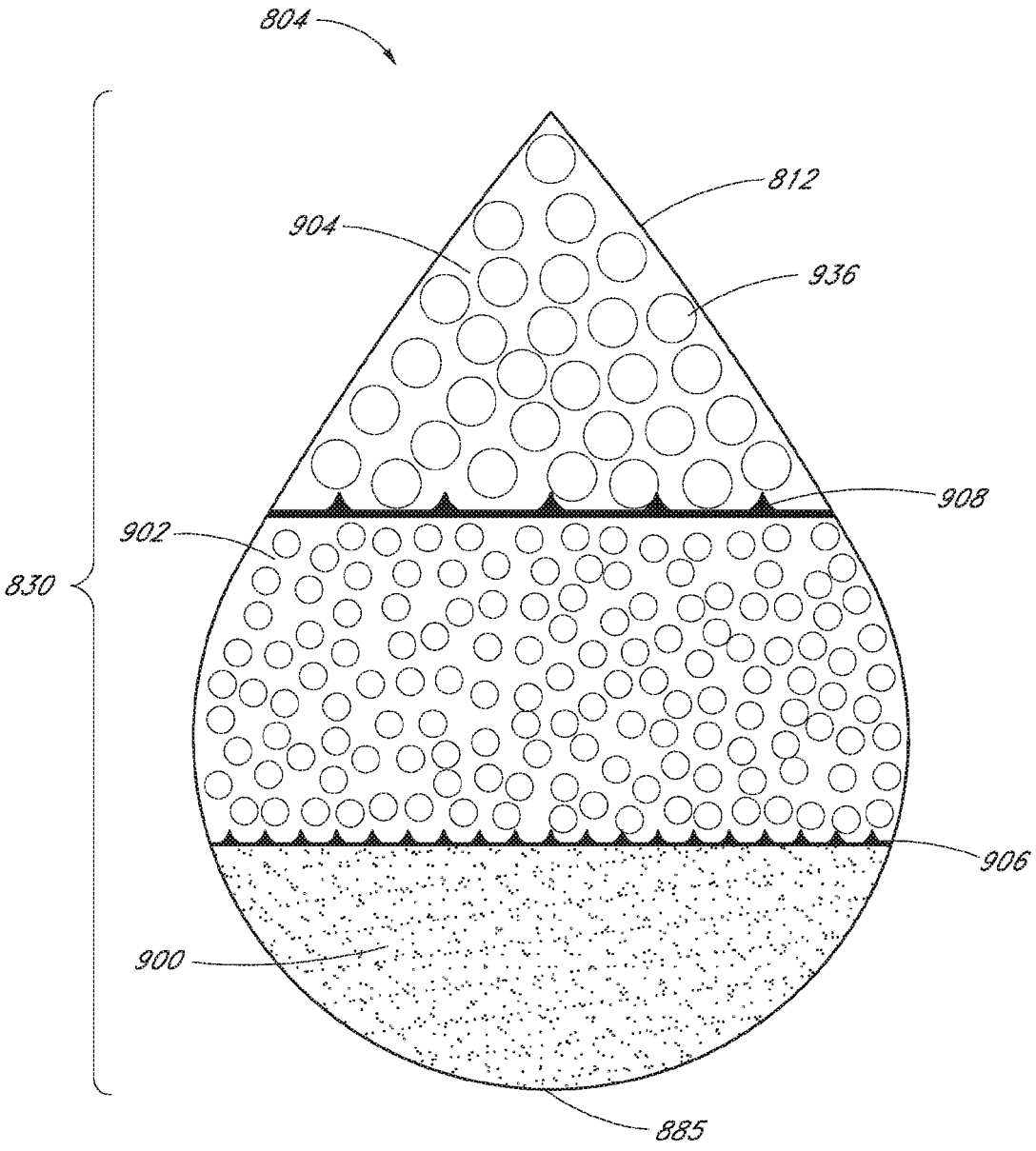


Fig. 25

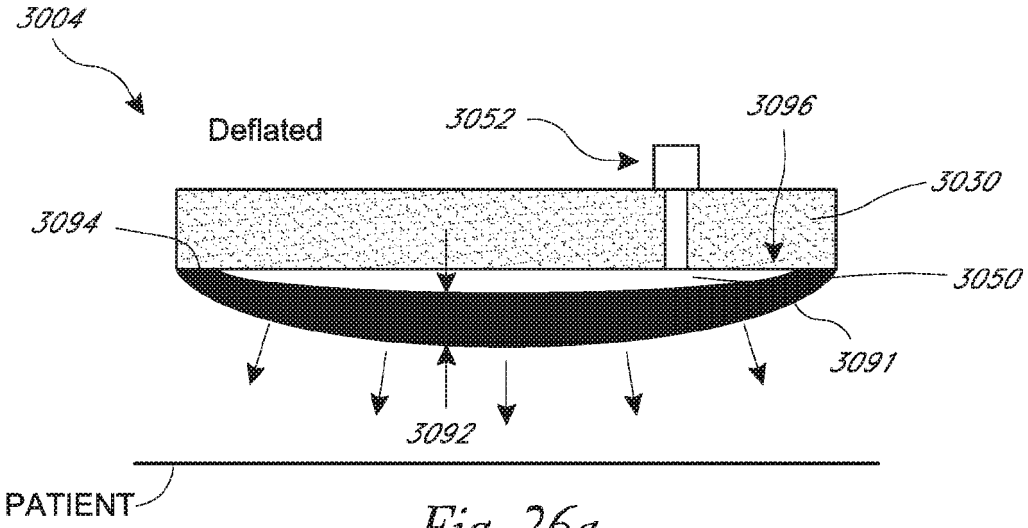


Fig. 26a

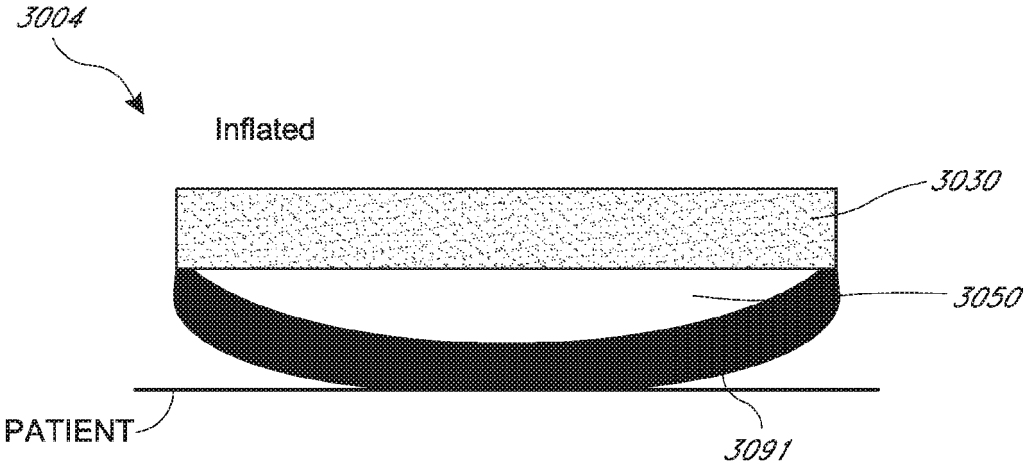


Fig. 26b

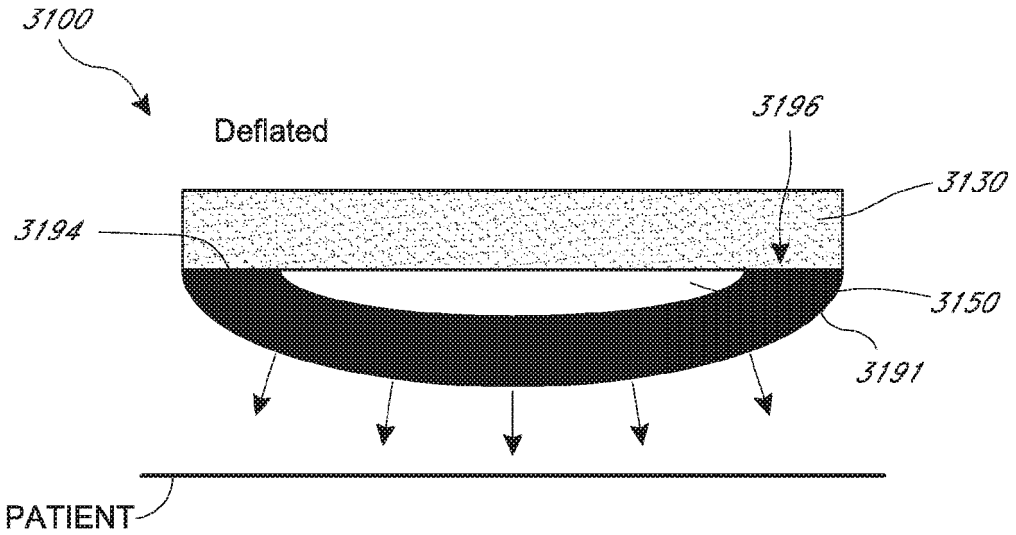


Fig. 27a

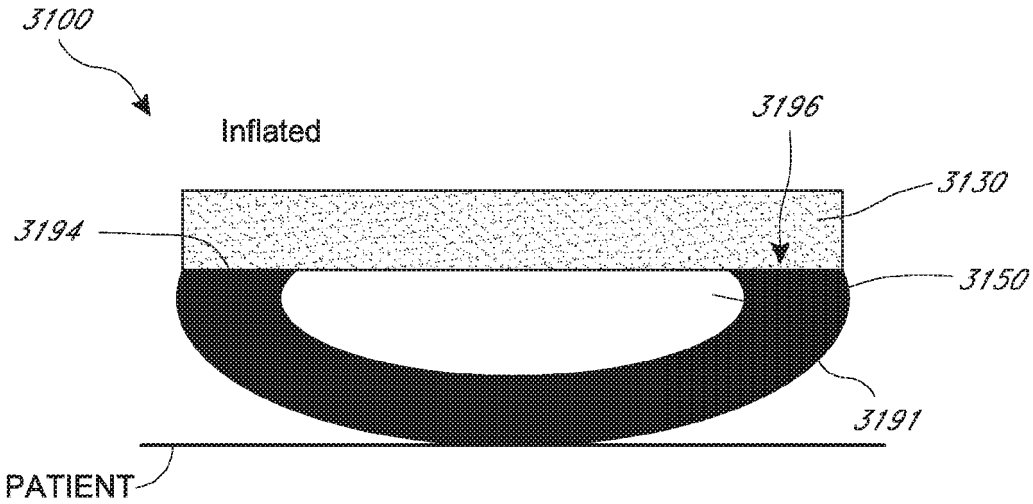


Fig. 27b

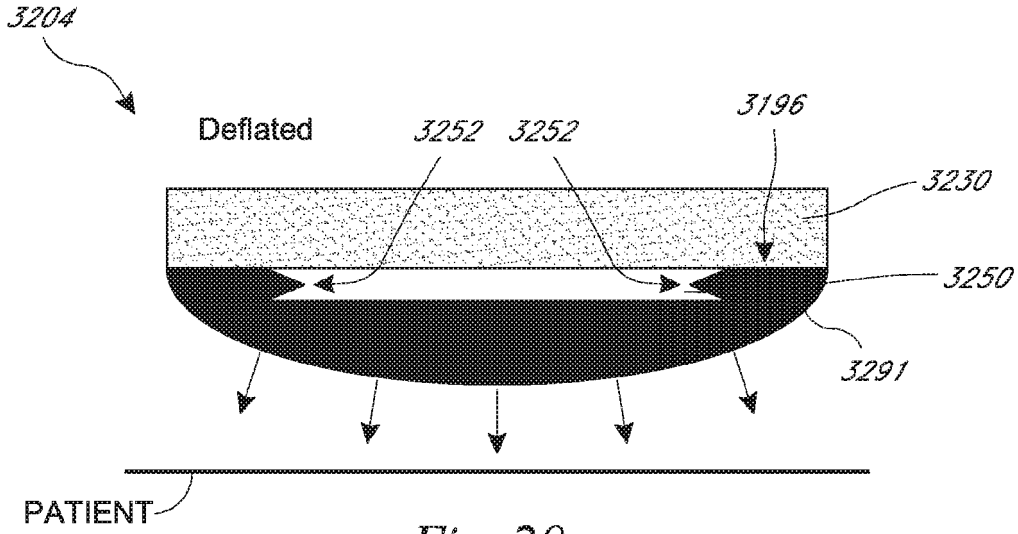


Fig. 28a

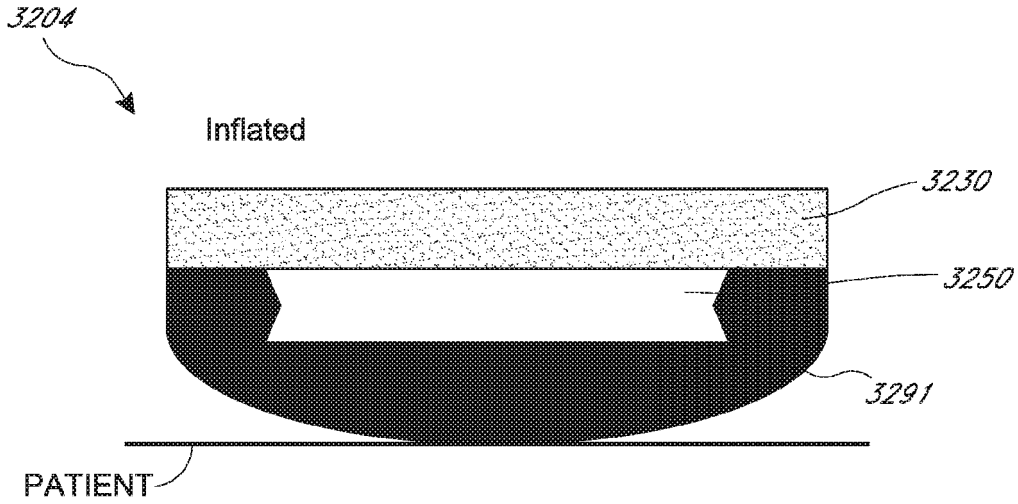


Fig. 28b

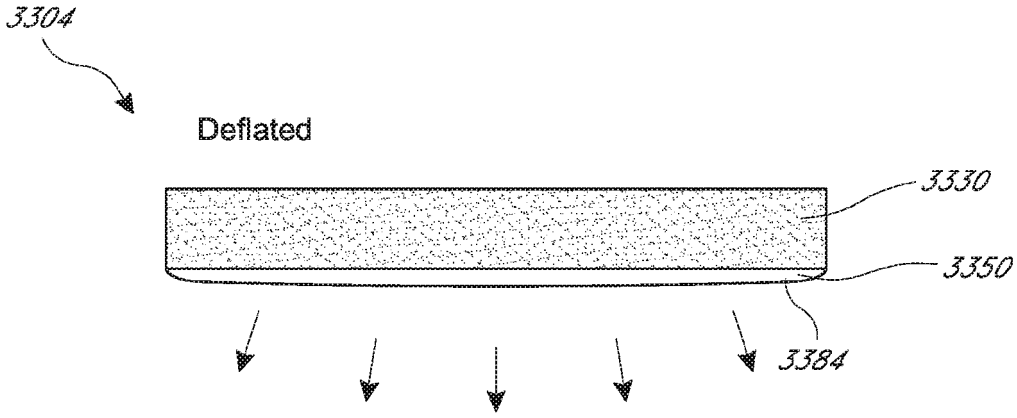


Fig. 29a

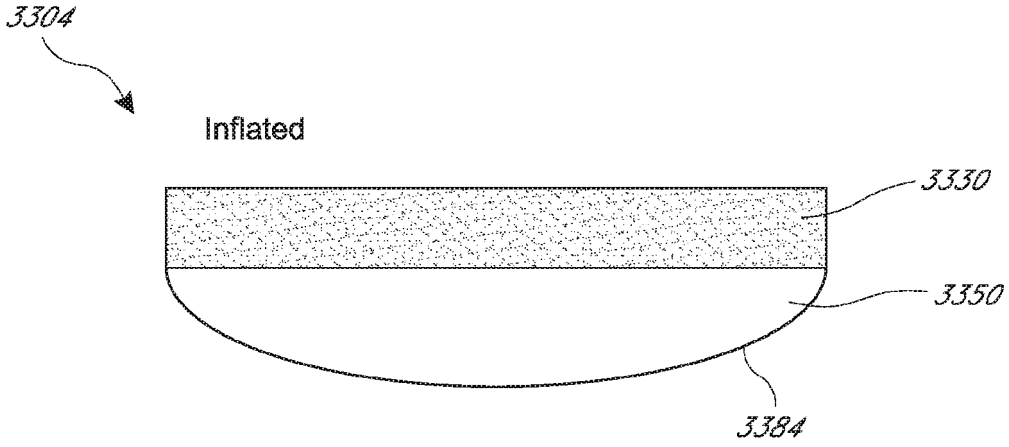


Fig. 29b

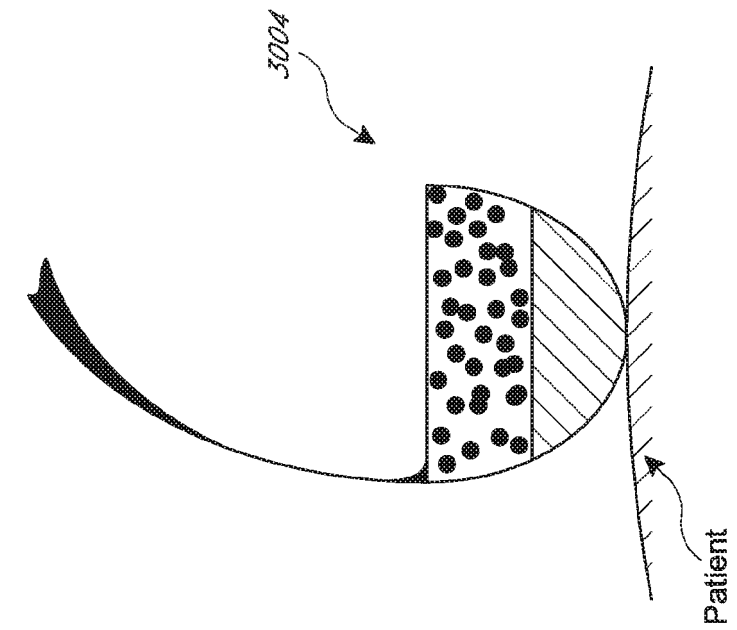

3004
Patient

Fig. 31

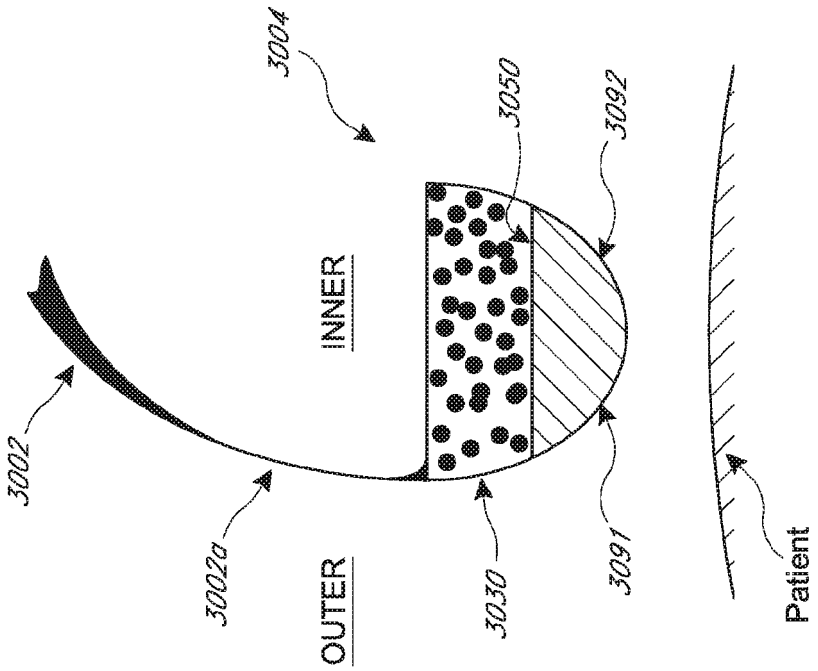

3004
3050
3092
INNER
3002
3002a
OUTER
3030
3091
Patient

Fig. 30

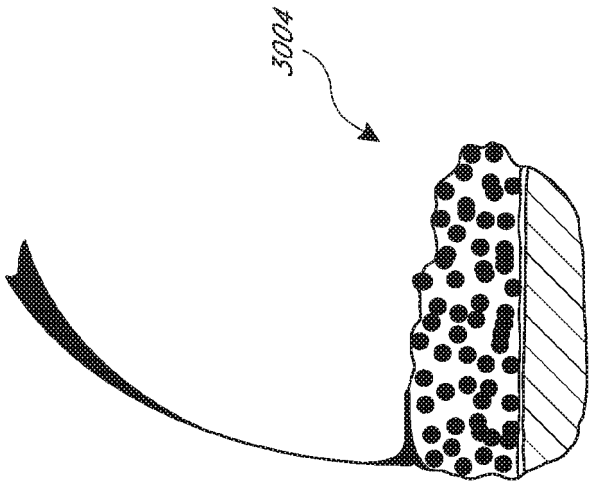


Fig. 33

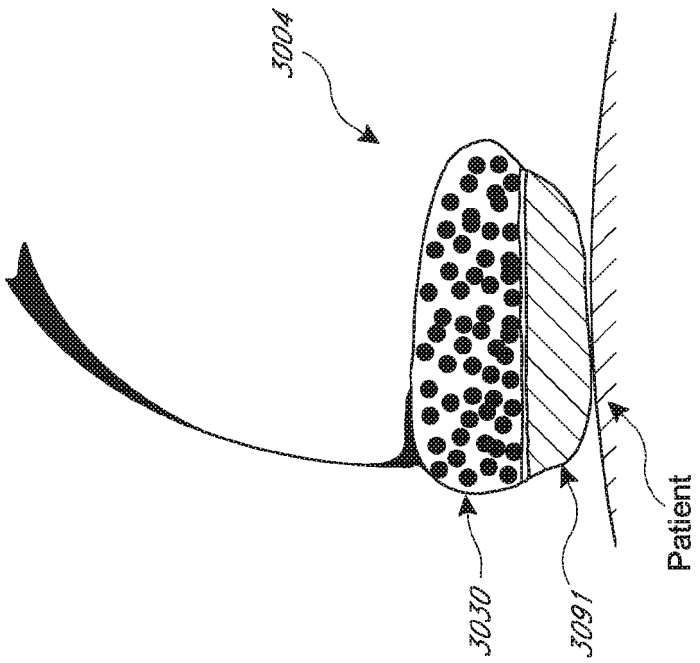


Fig. 32

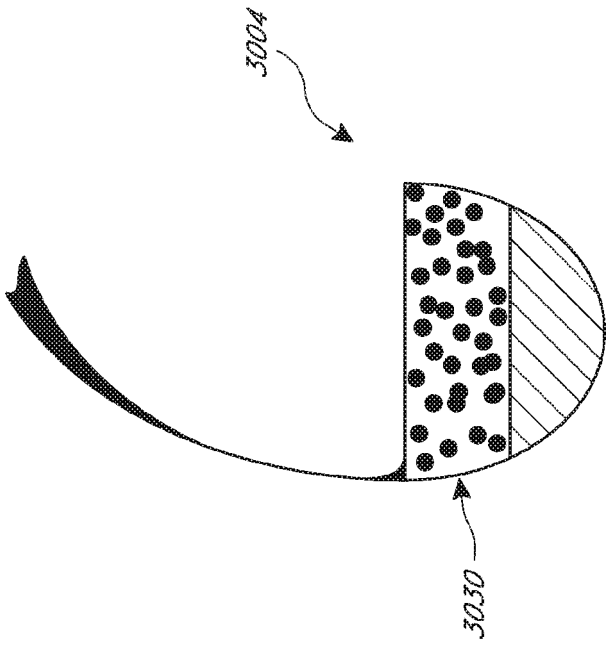


Fig. 35

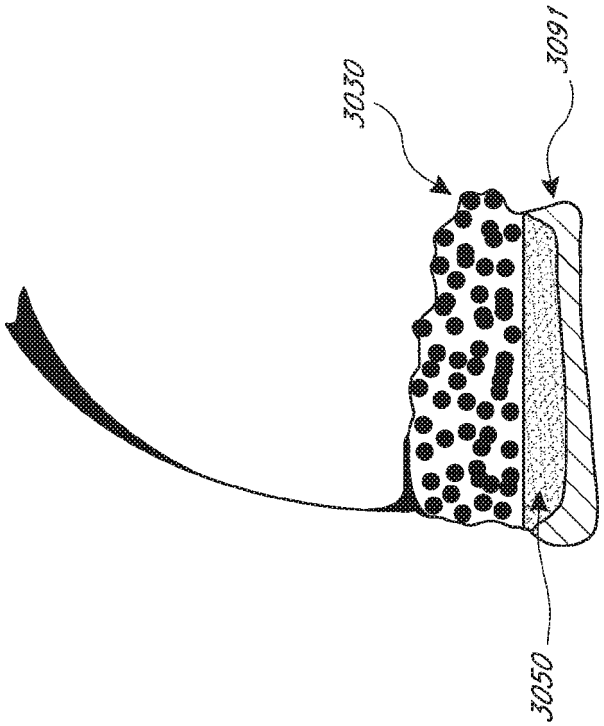


Fig. 34

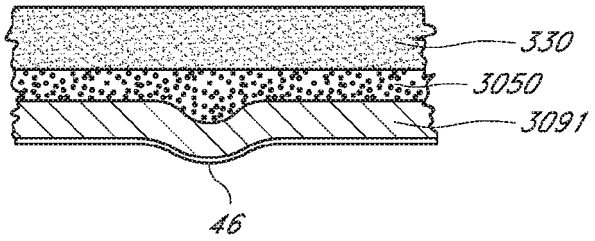


Fig. 36

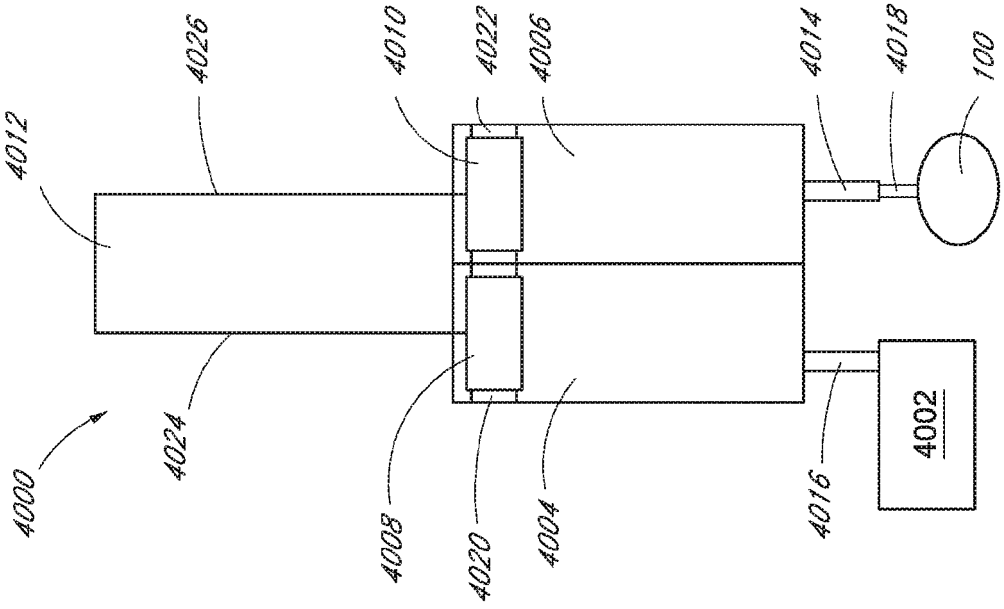

4000
4012
4026
4024
4010
4022
4006
4008
4020
4004
4014
4018
100
4016
4002

Fig. 38

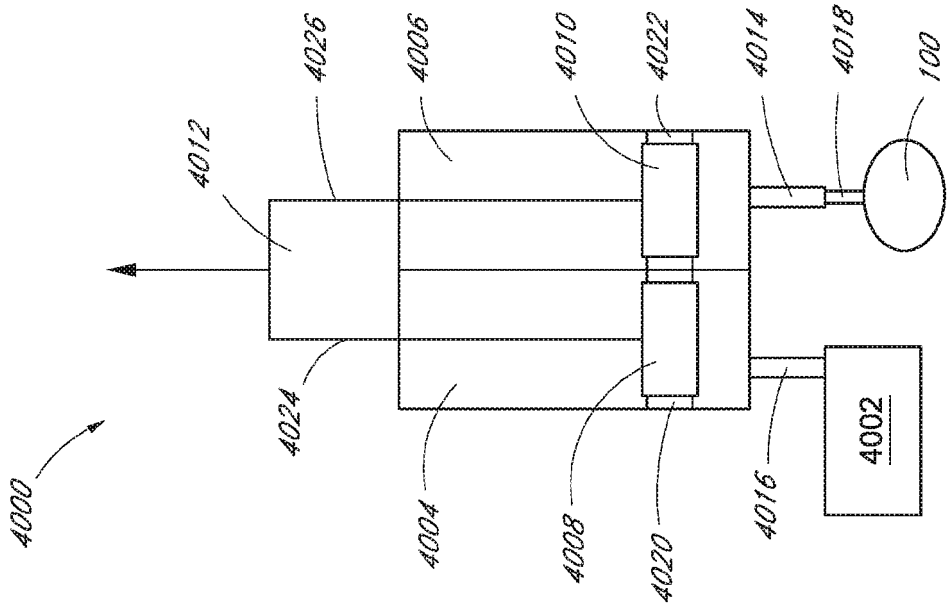

4000
4012
4026
4024
4006
4010
4022
4004
4008
4020
4014
4018
100
4016
4002

Fig. 37

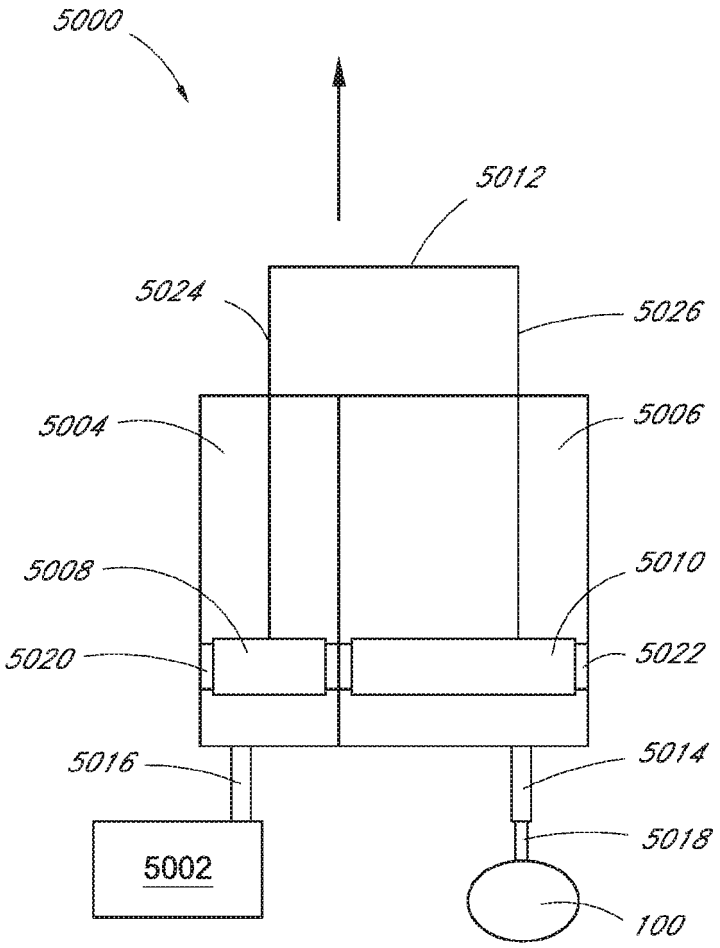

5000
5012
5024
5026
5004
5006
5008
5010
5020
5022
5016
5014
5018
5002
100

Fig. 39

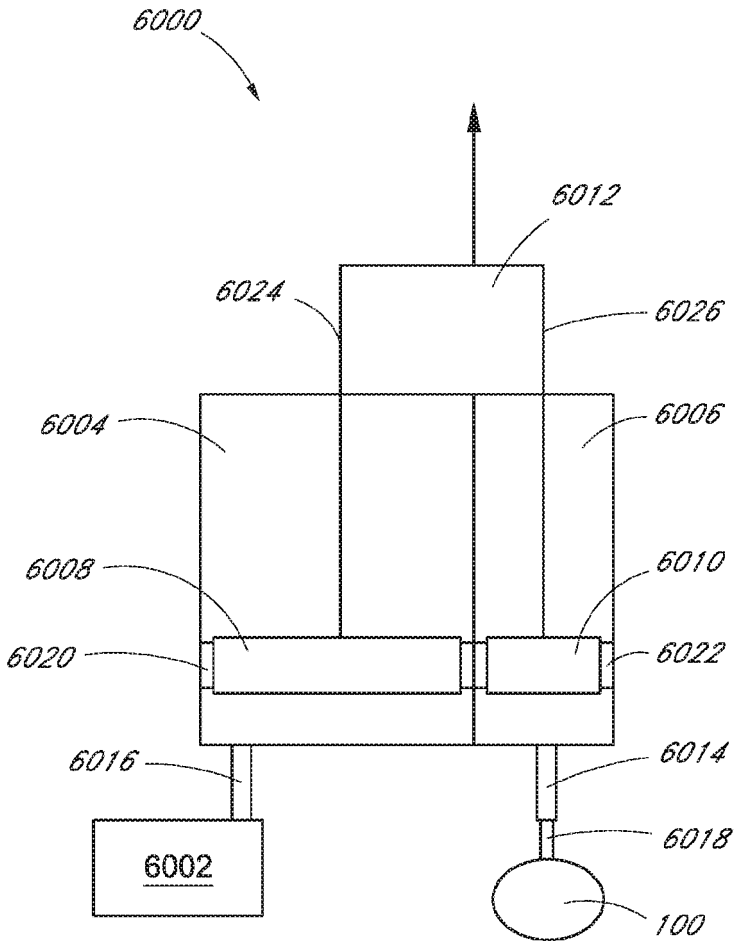

6000
6012
6024
6026
6004
6006
6008
6010
6020
6022
6016
6014
6018
6002
100

Fig. 40

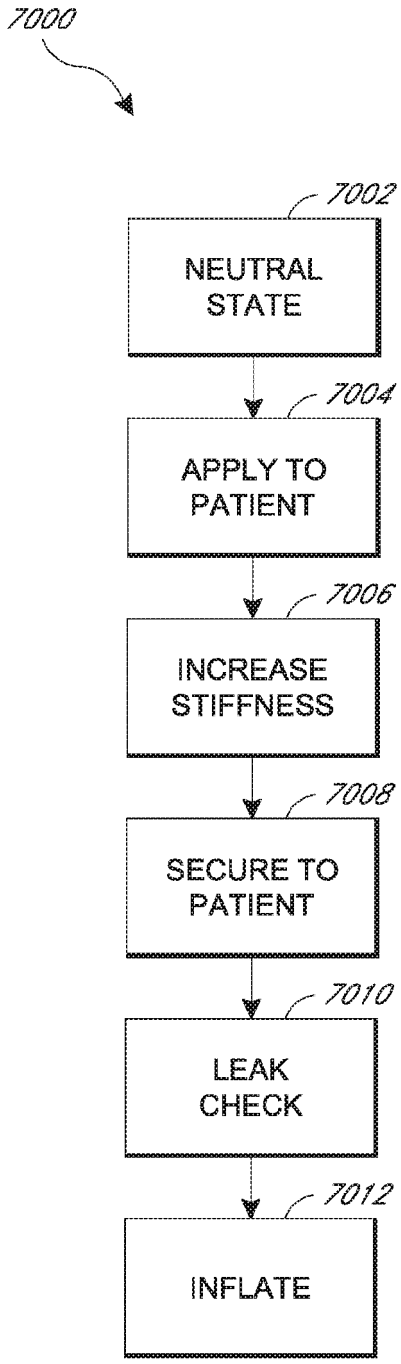

7000
7002
NEUTRAL STATE
7004
APPLY TO PATIENT
7006
INCREASE STIFFNESS
7008
SECURE TO PATIENT
7010
LEAK CHECK
7012
INFLATE

Fig. 41