Fig. 1
(background art)

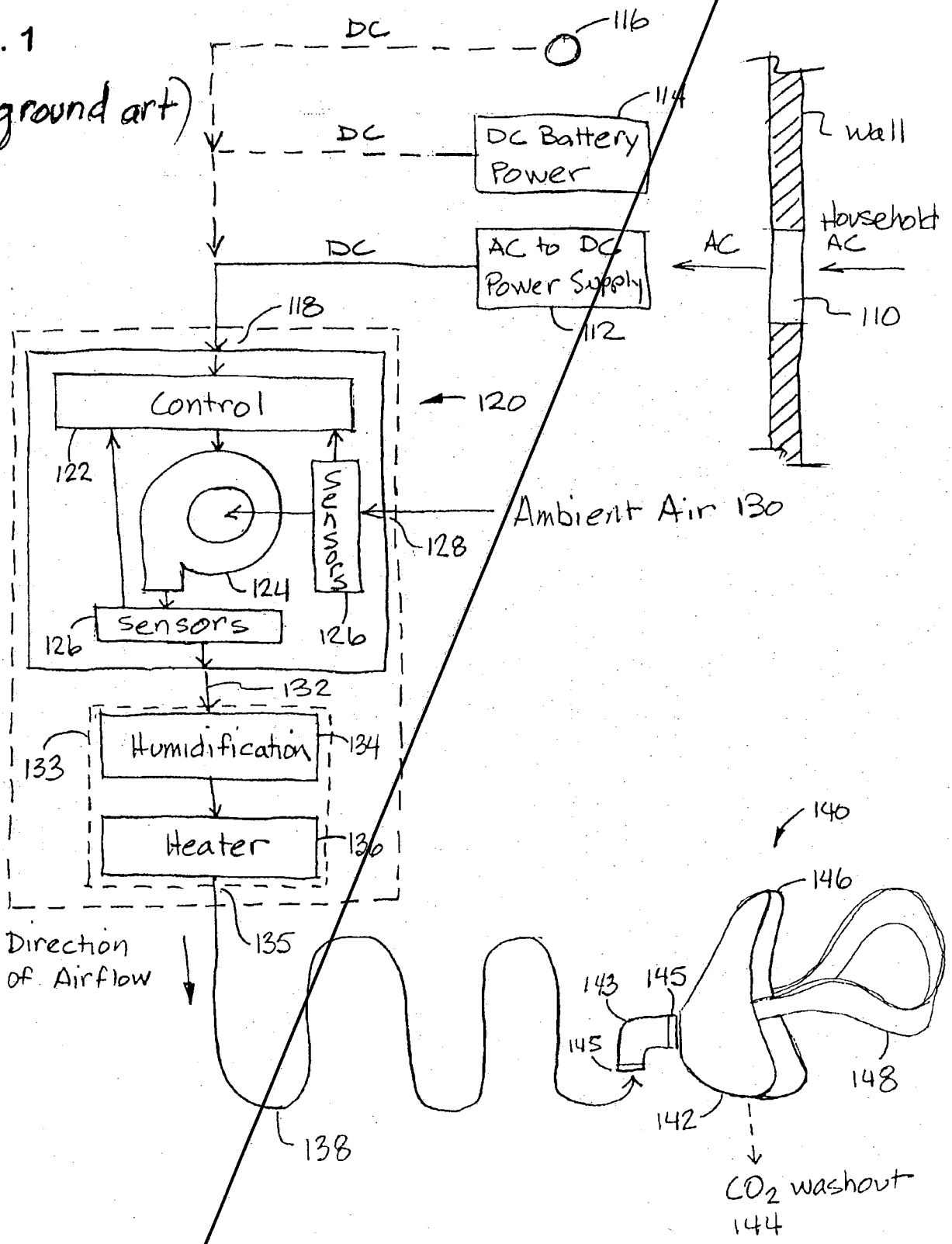


Fig. 2

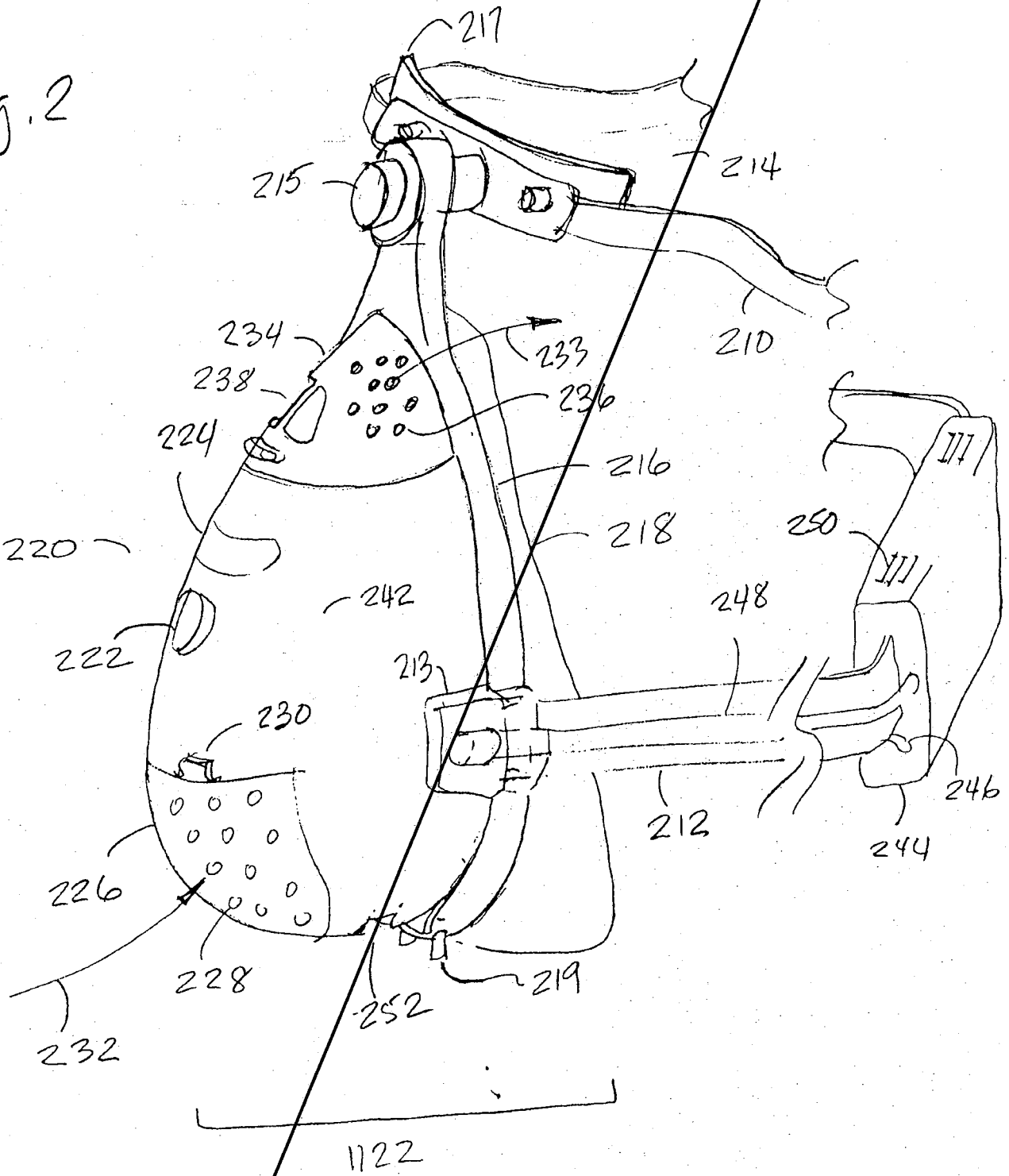
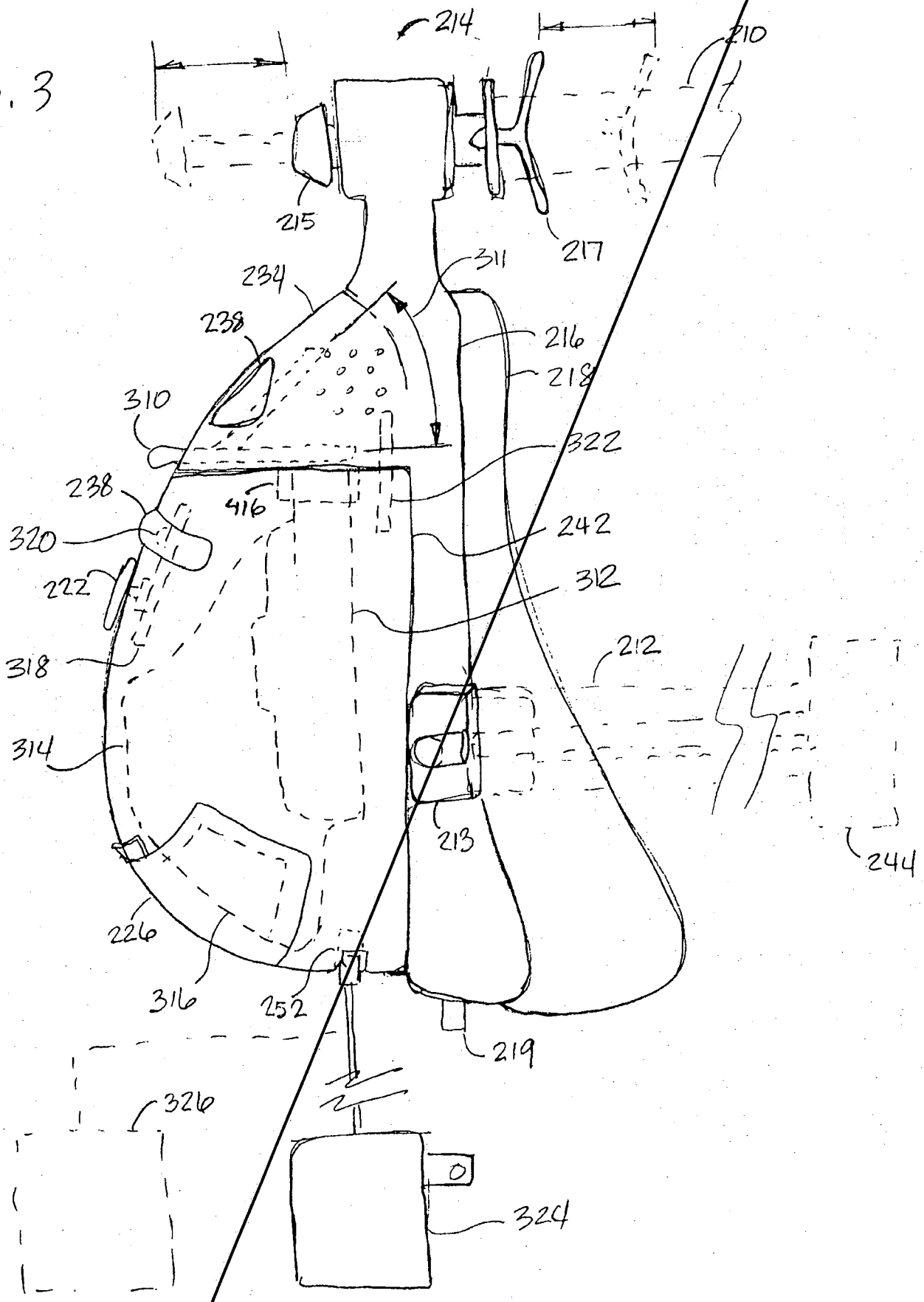

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232
1122

Fig. 3


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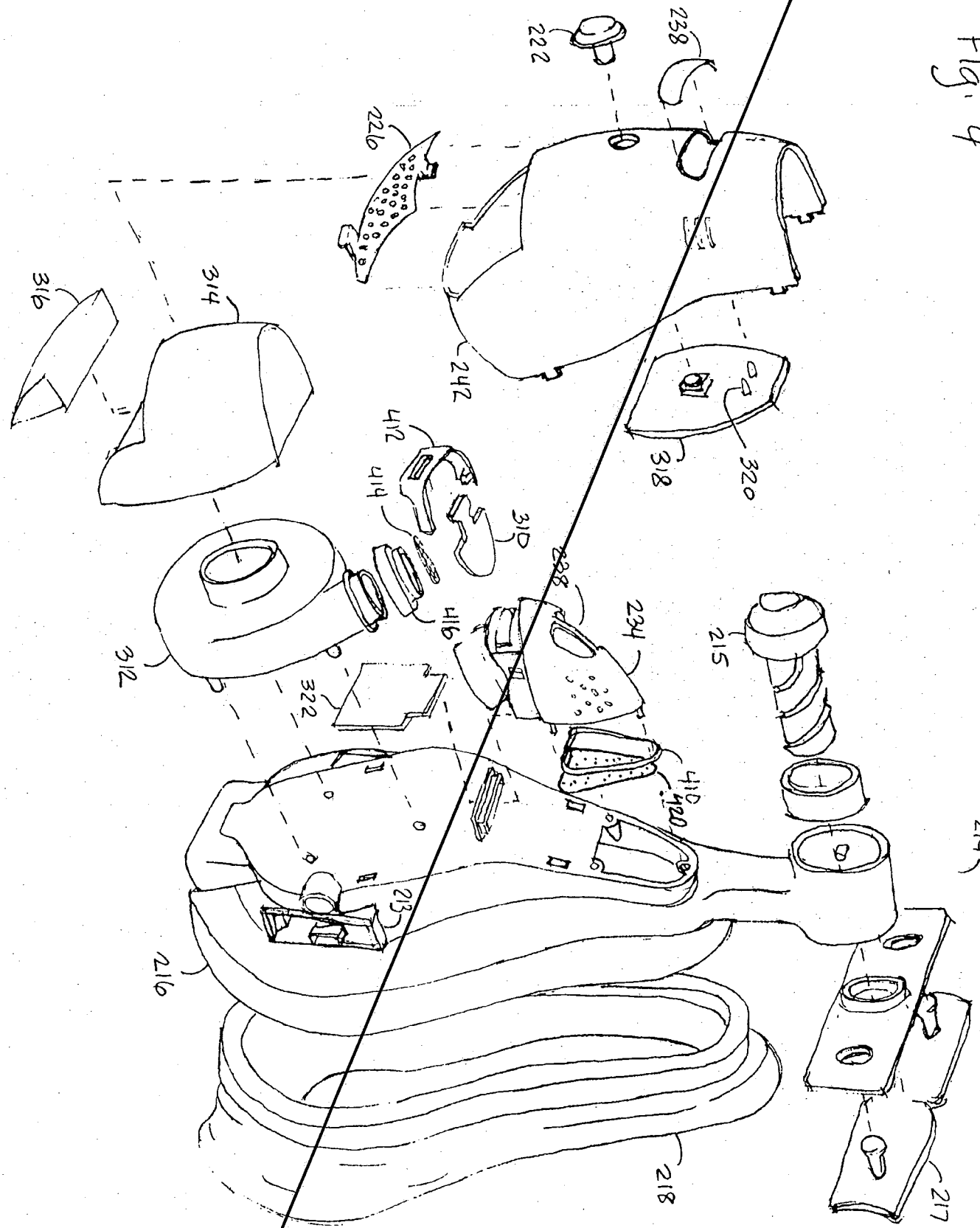

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217

Fig. 4

Fig: 5A

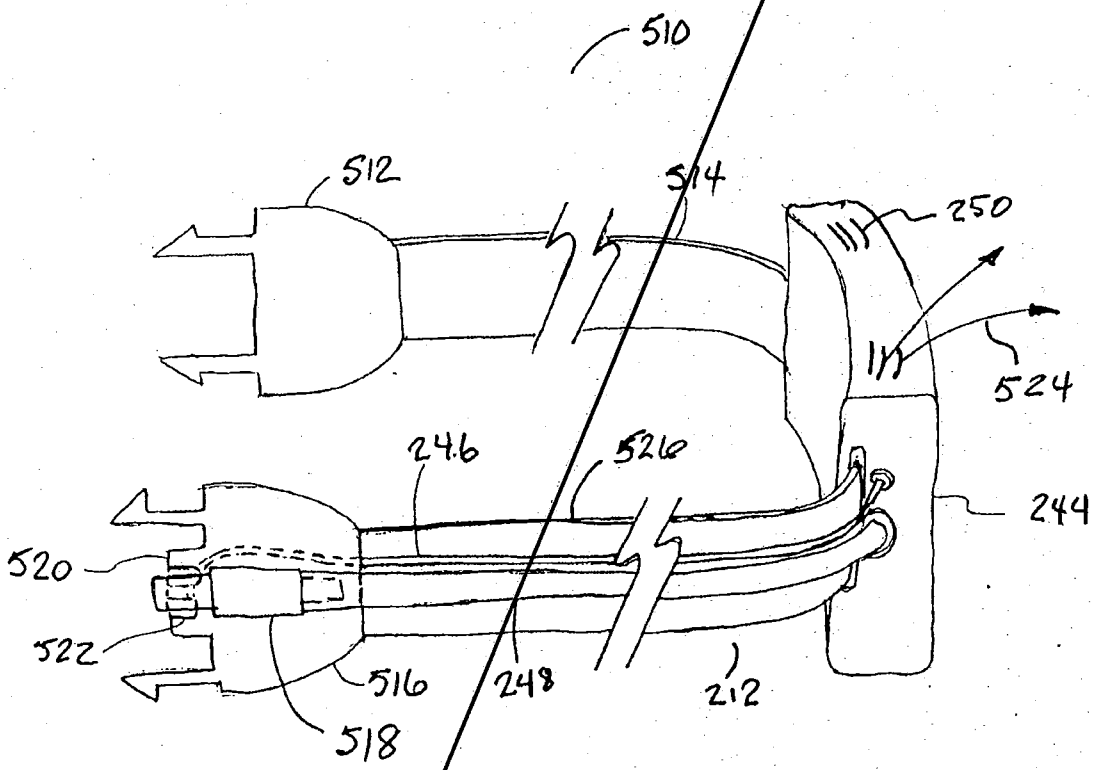


Fig. 5B

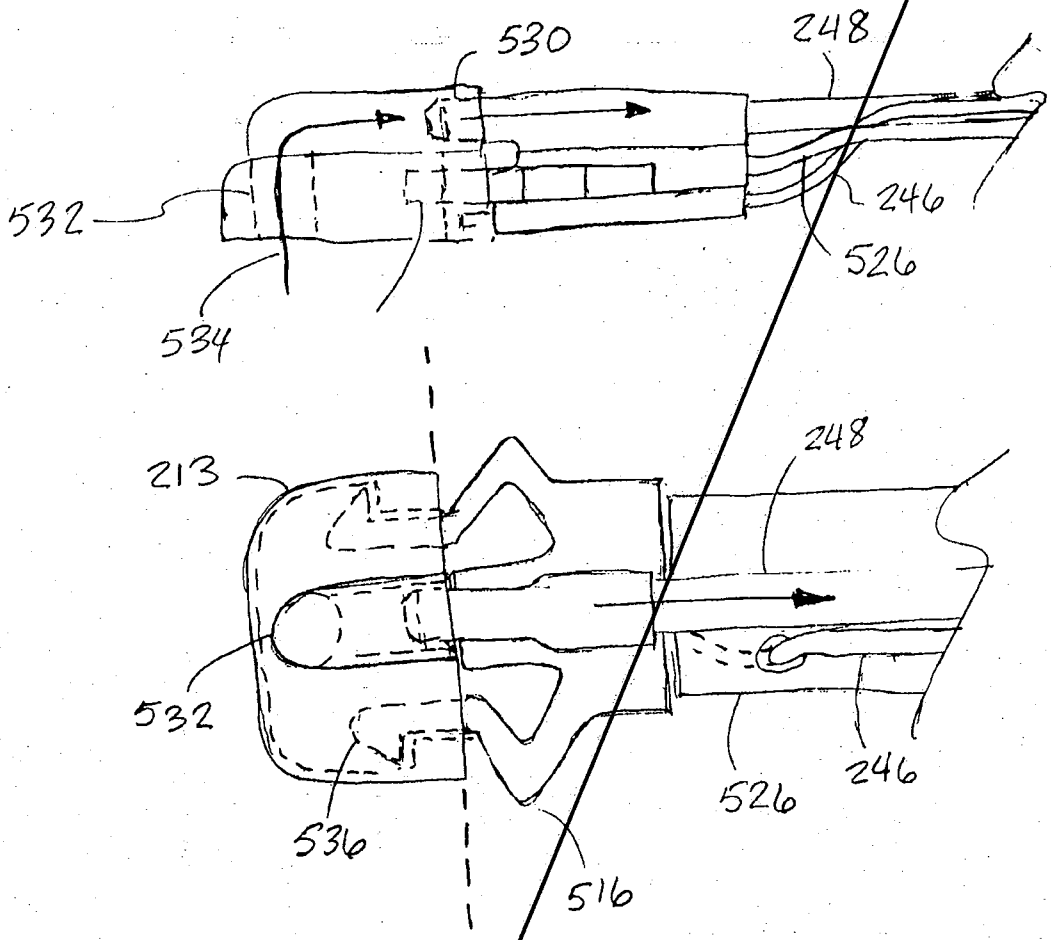


Fig. 6A

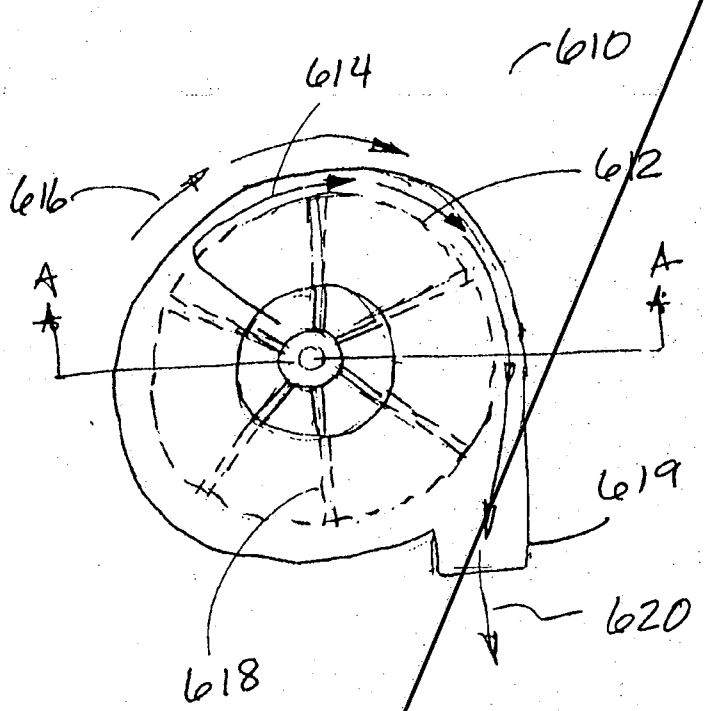

614
610
616
612
A
A
619
620
618

Fig. 6B

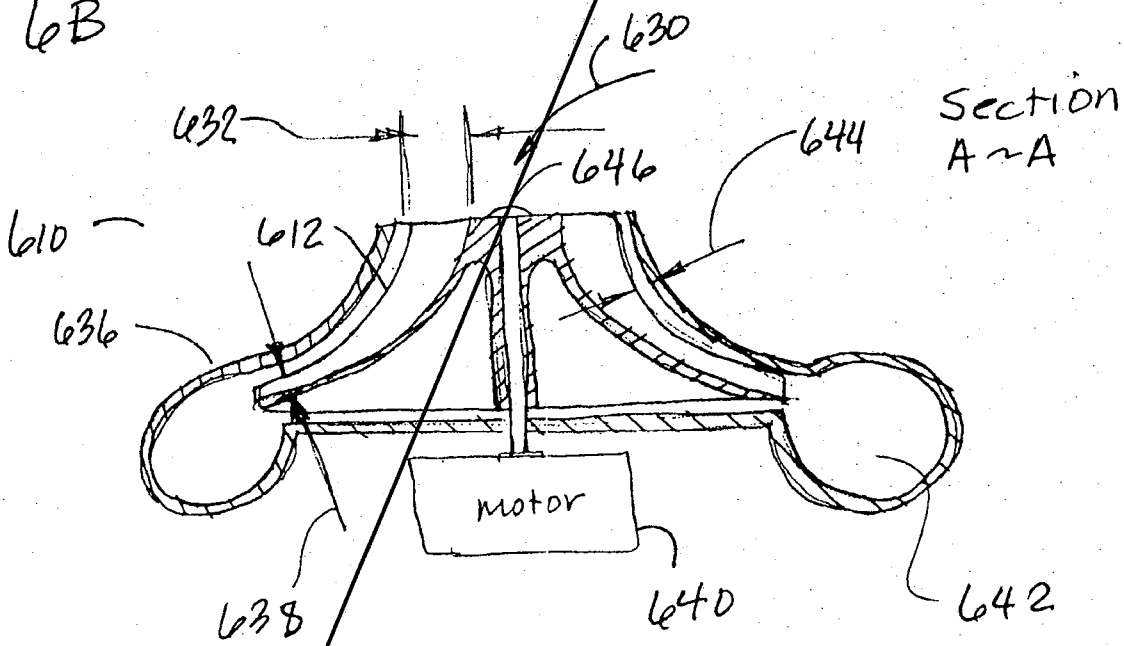

630
632
646
644
Section A-A
610
612
636
motor
638
640
642

Fig. 6C

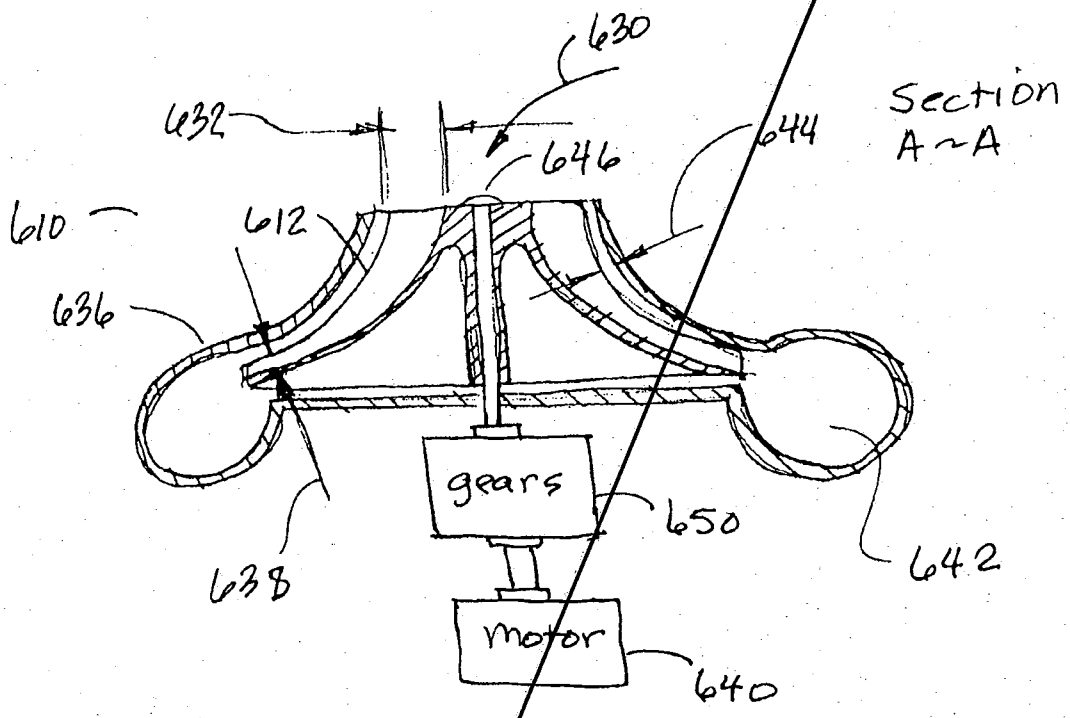

630
632
646
644
Section
A~A
610
612
636
gears
650
638
642
motor
640

Fig. 7A

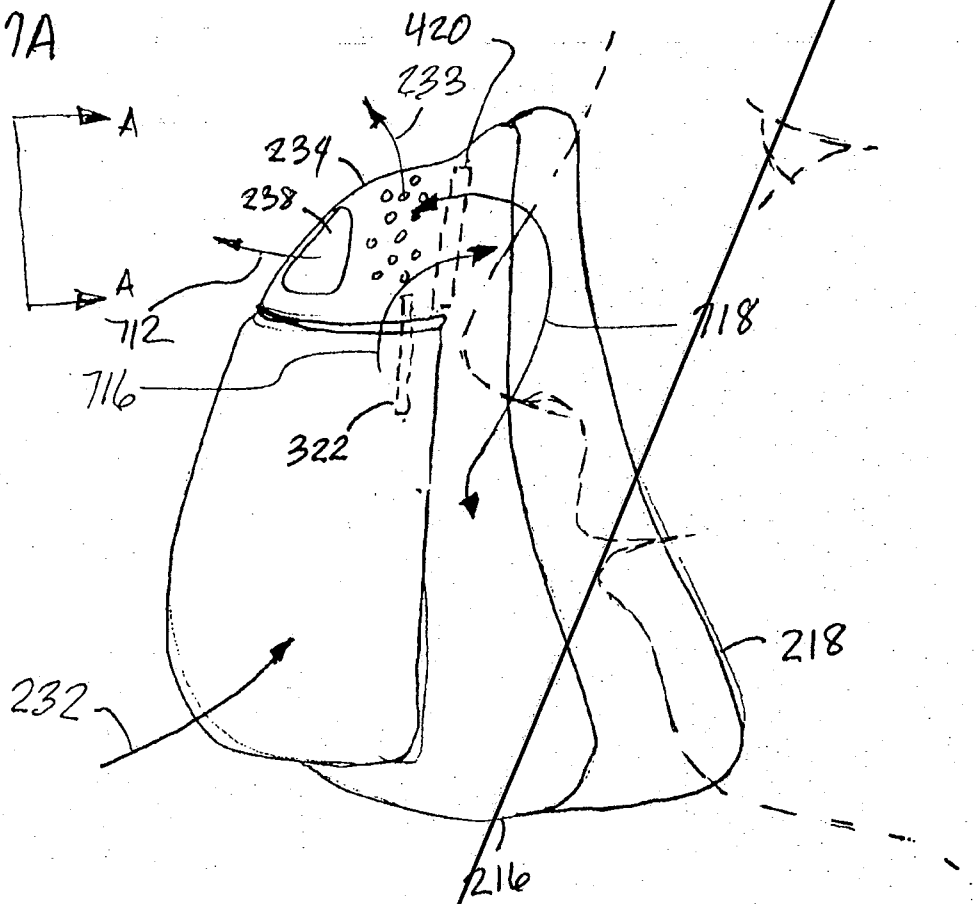


Fig. 7B

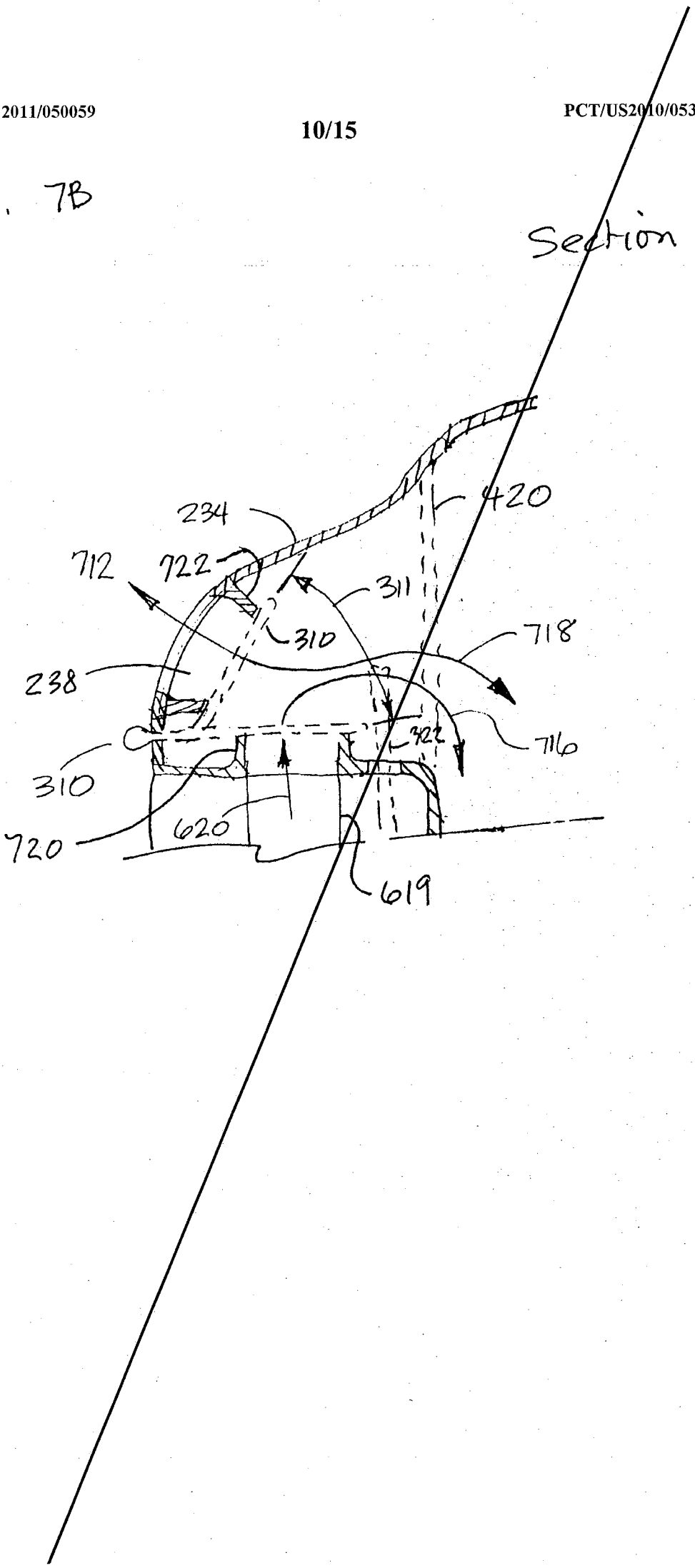

Section A~A
234
420
712
722
311
310
718
238
722
716
310
620
720
619

Fig. 8

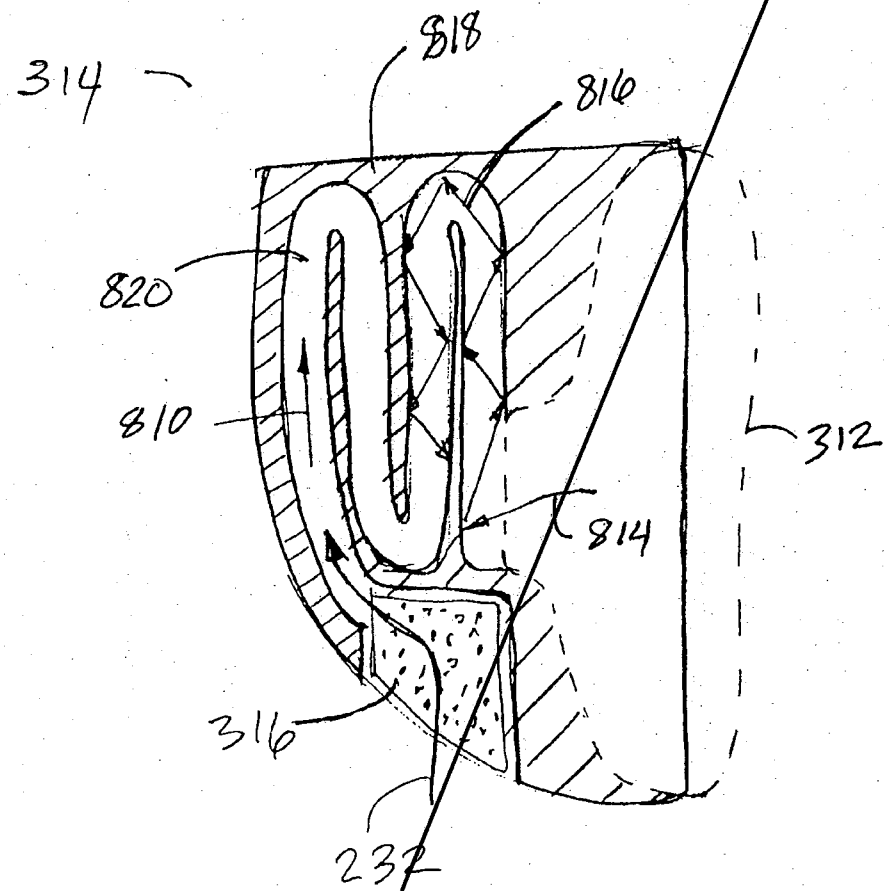


Fig 9

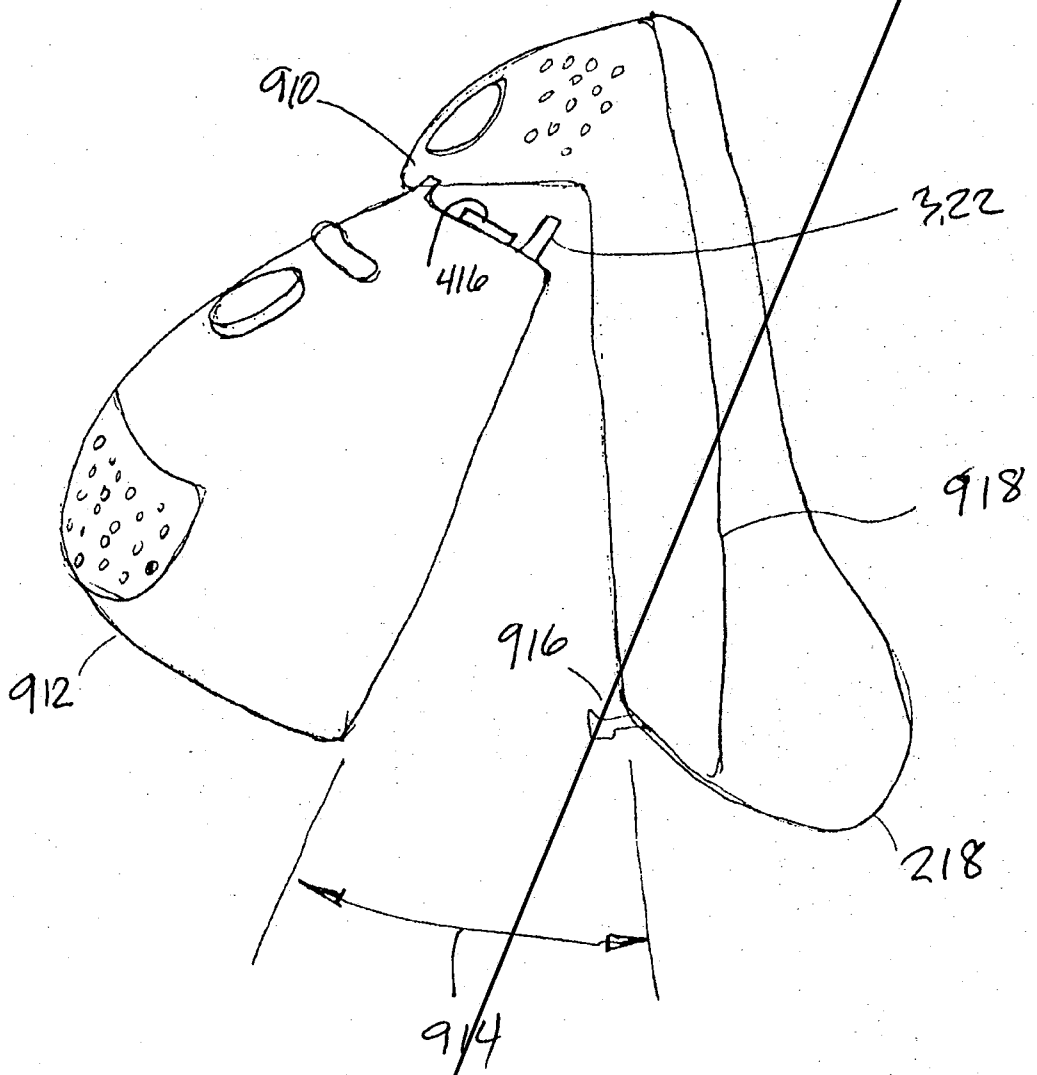


Fig. 10A

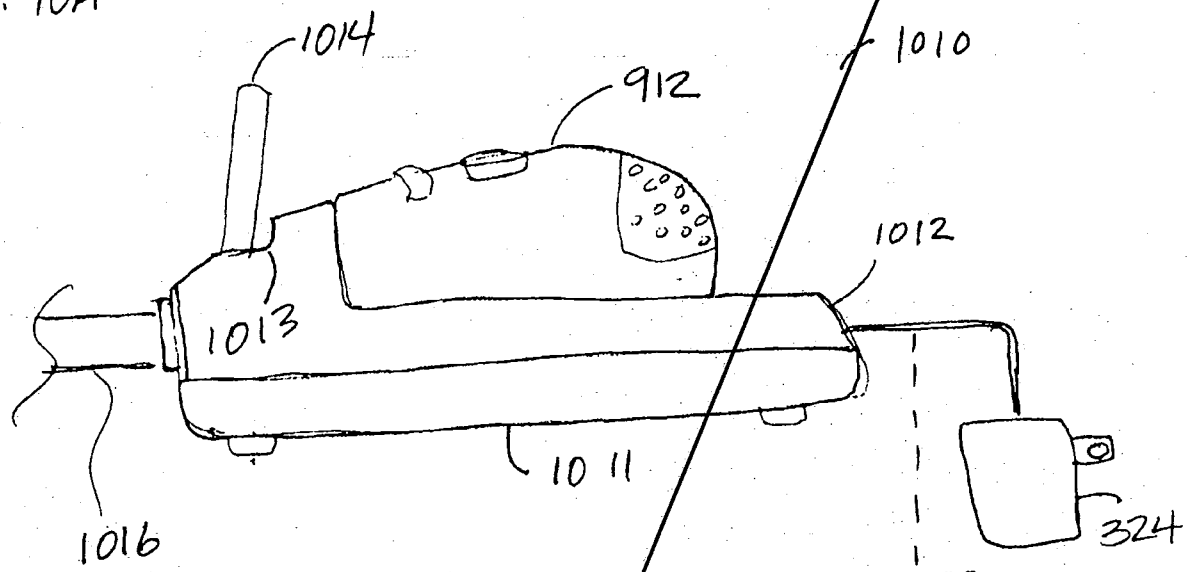


Fig. 10B

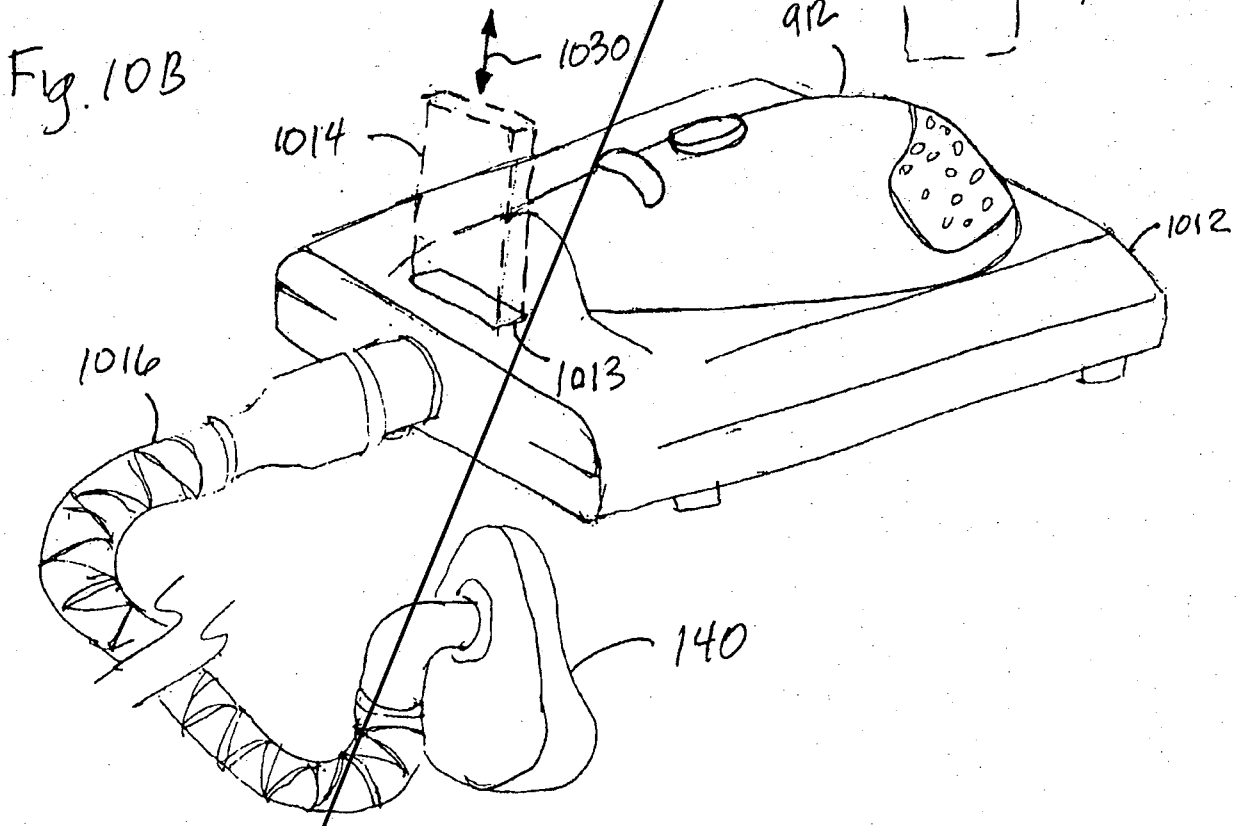


Fig. 11

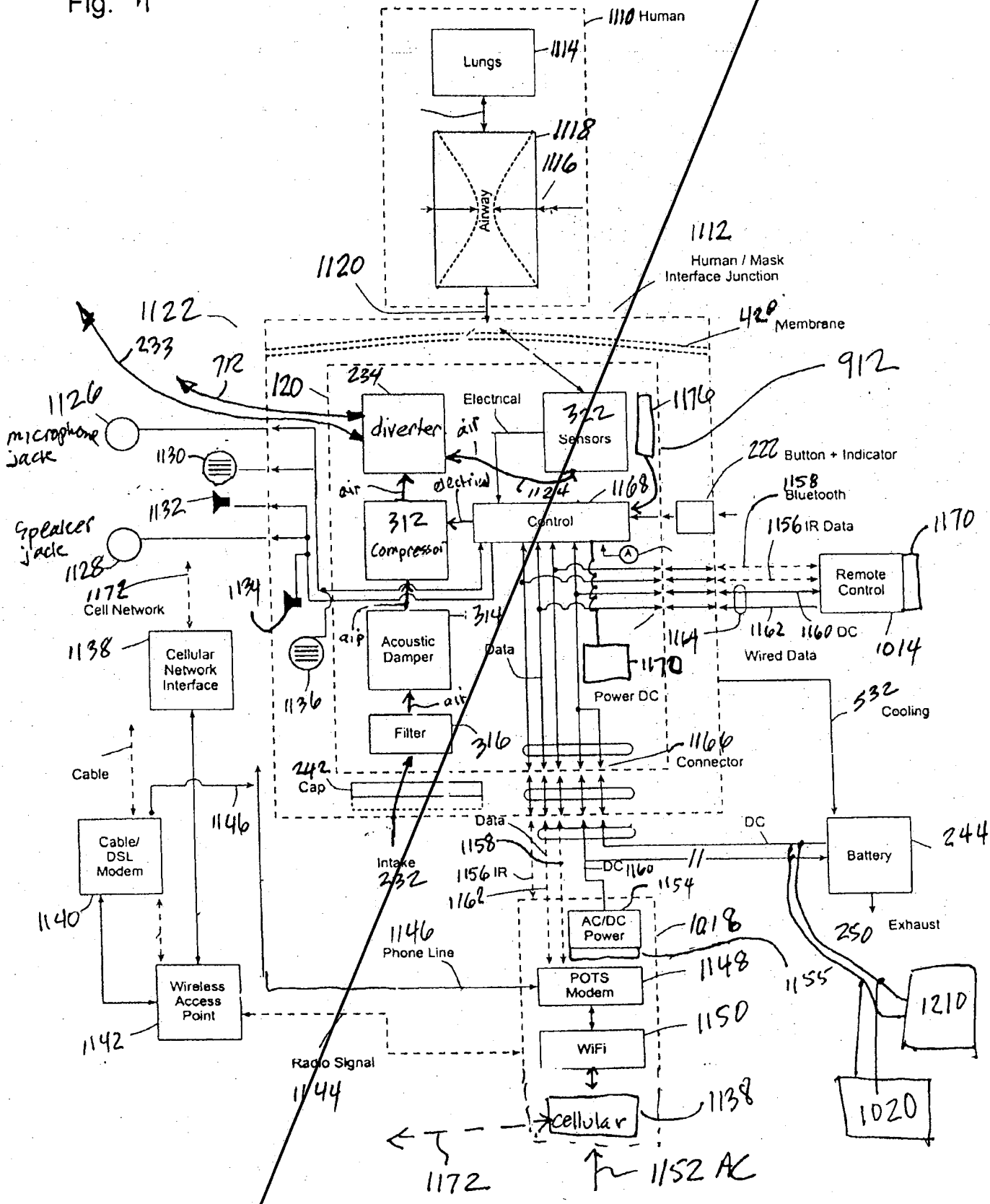
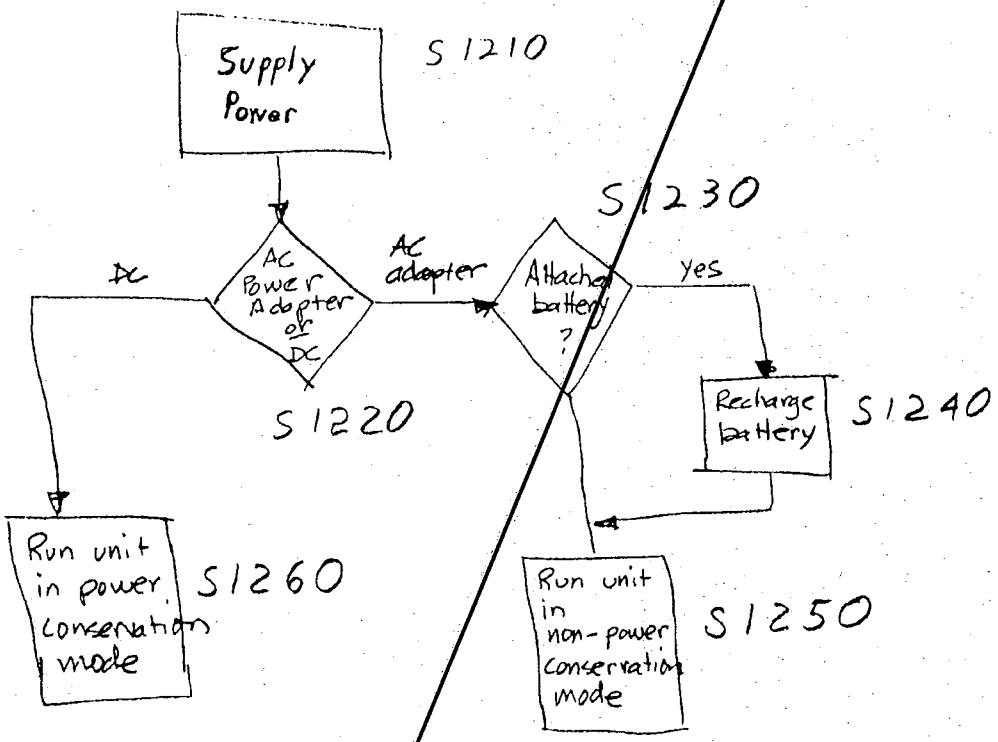

1110 Human
Lungs
1114
1118
1116
Airway
1112
Human / Mask Interface Junction
1120
1122
233
712
420 Membrane
912
234
120
diverter
Electrical
air
312 Sensors
1176
222 Button + Indicator
1126
microphone jack
1130
1132
air
electrical
1124
1168
Control
1158 Bluetooth
1156 IR Data
1170
Remote Control
speaker jack
1128
1172 Cell Network
1134
312 Compressor
314
Acoustic Damper
air
1138
Cellular Network Interface
1136
Data
1164
1162
1160 DC
1014
Wired Data
1170
Power DC
532 Cooling
Filter
316
1166 Connector
Cable
242 Cap
Data
DC
Cable/ DSL Modem
1146
1158
Battery
244
Intake
232
1156 IR
DC 1160
1154
1162
AC/DC Power
1018
1140
1146 Phone Line
250 Exhaust
1148
1155
POTS Modem
1210
Wireless Access Point
1150
WiFi
1142
Radio Signal
1144
cellular
1138
1020
1172
1152 AC

FIG. 12


Supply Power
S1210
AC Power Adapter or DC
S1220
DC
AC adapter
Attached battery ?
S1230
yes
Recharge battery
S1240
Run unit in power conservation mode
S1260
Run unit in non-power conservation mode
S1250

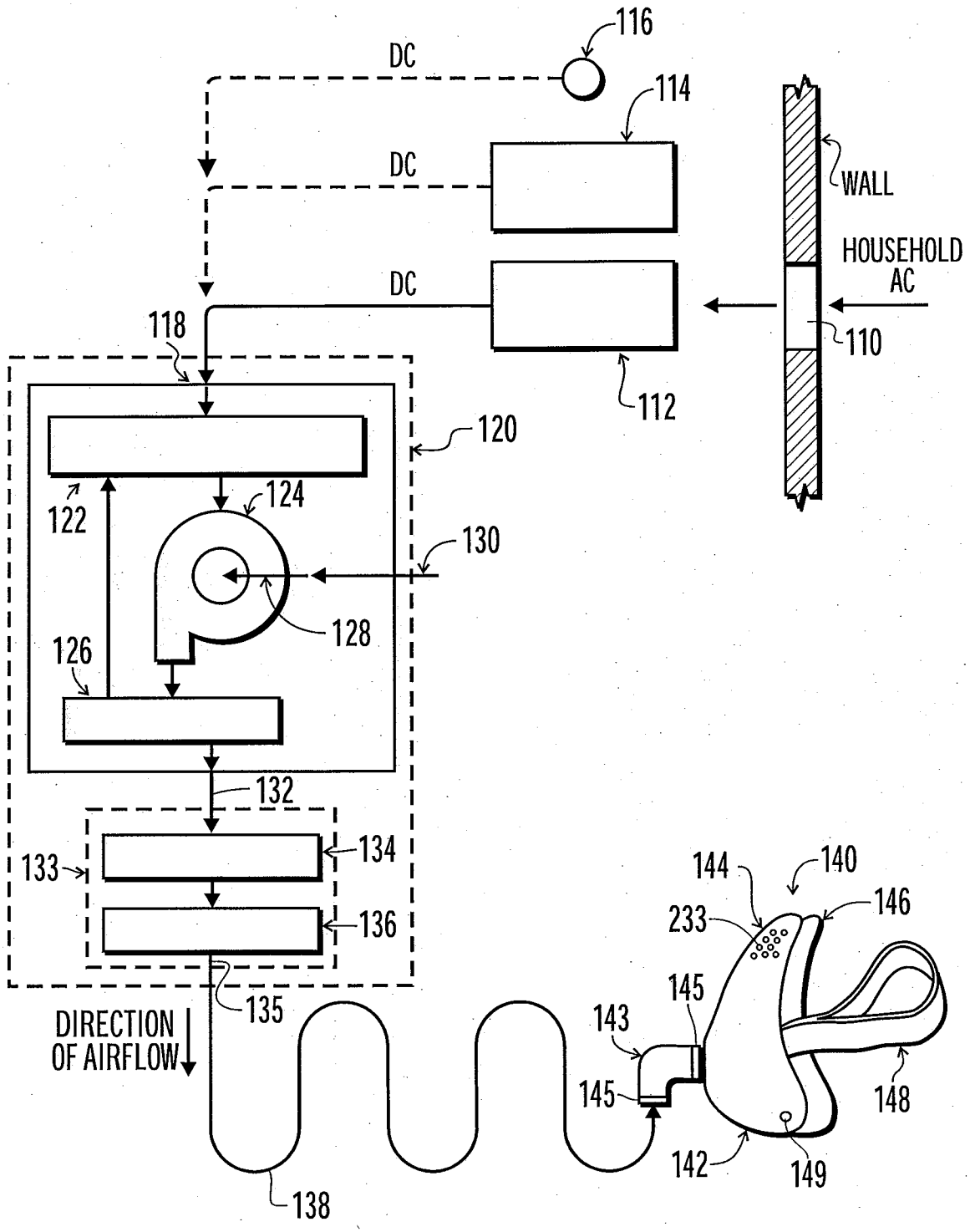


FIG. 1
PRIOR ART

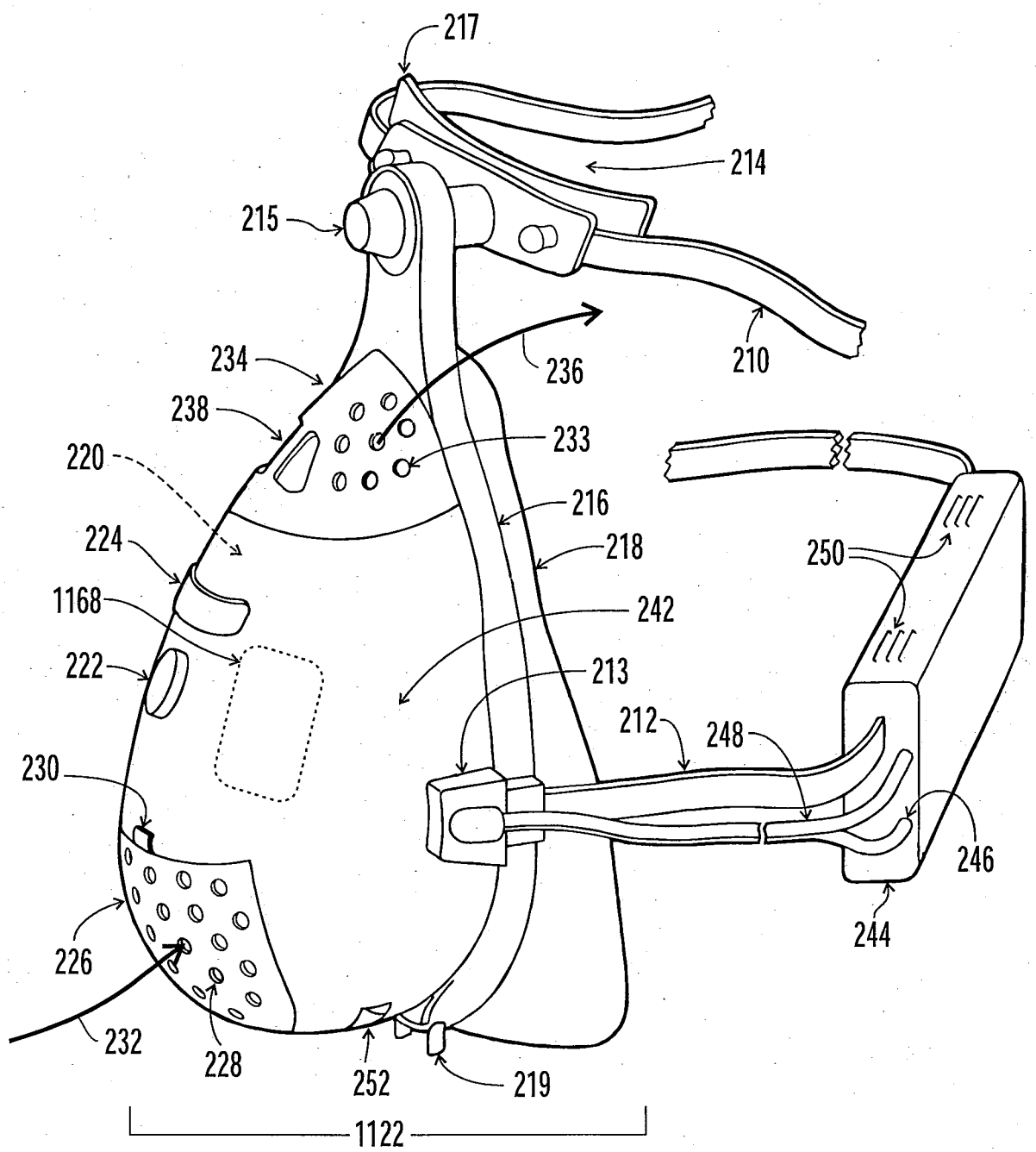

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252
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1122

FIG. 2

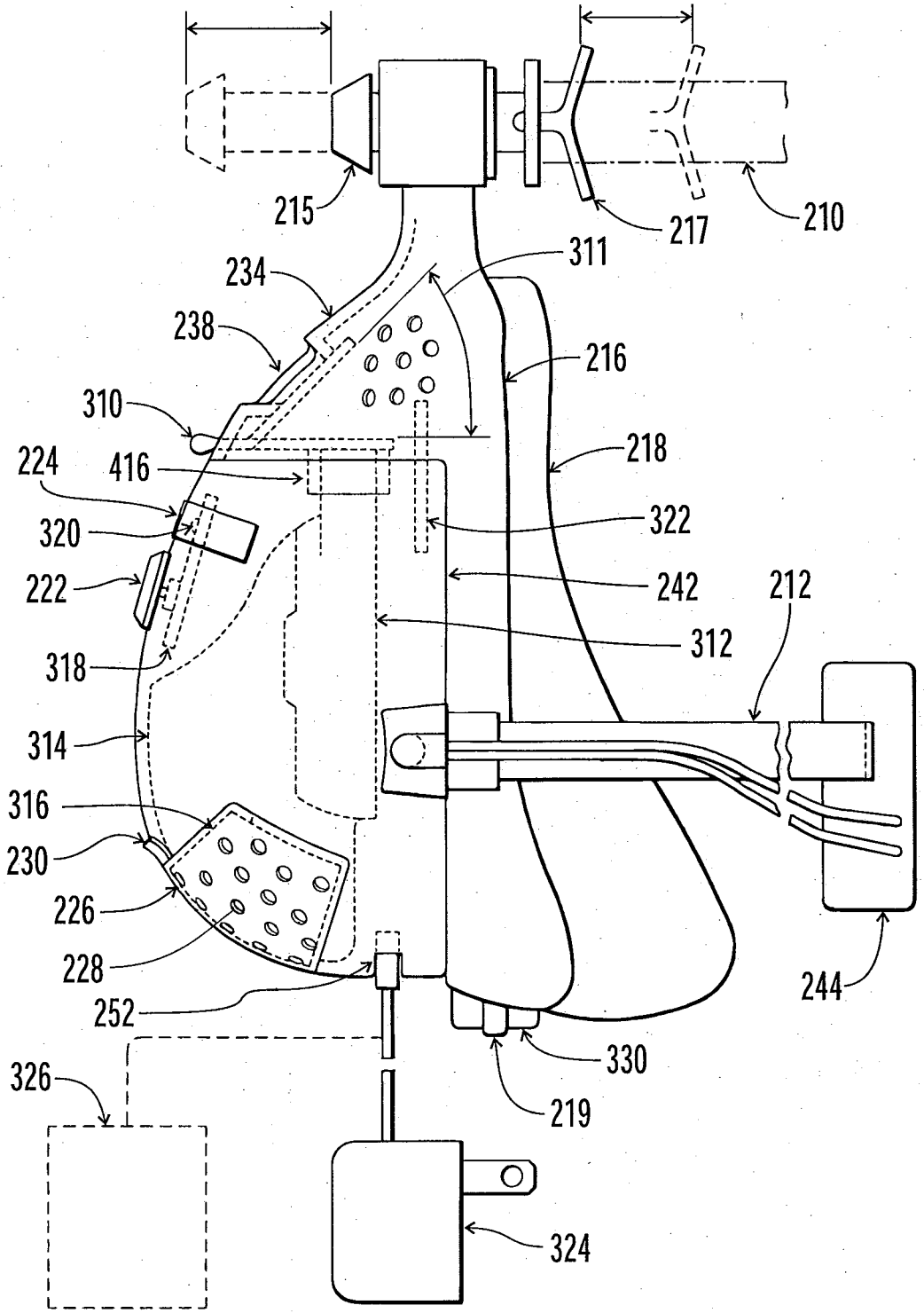

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324

FIG. 3

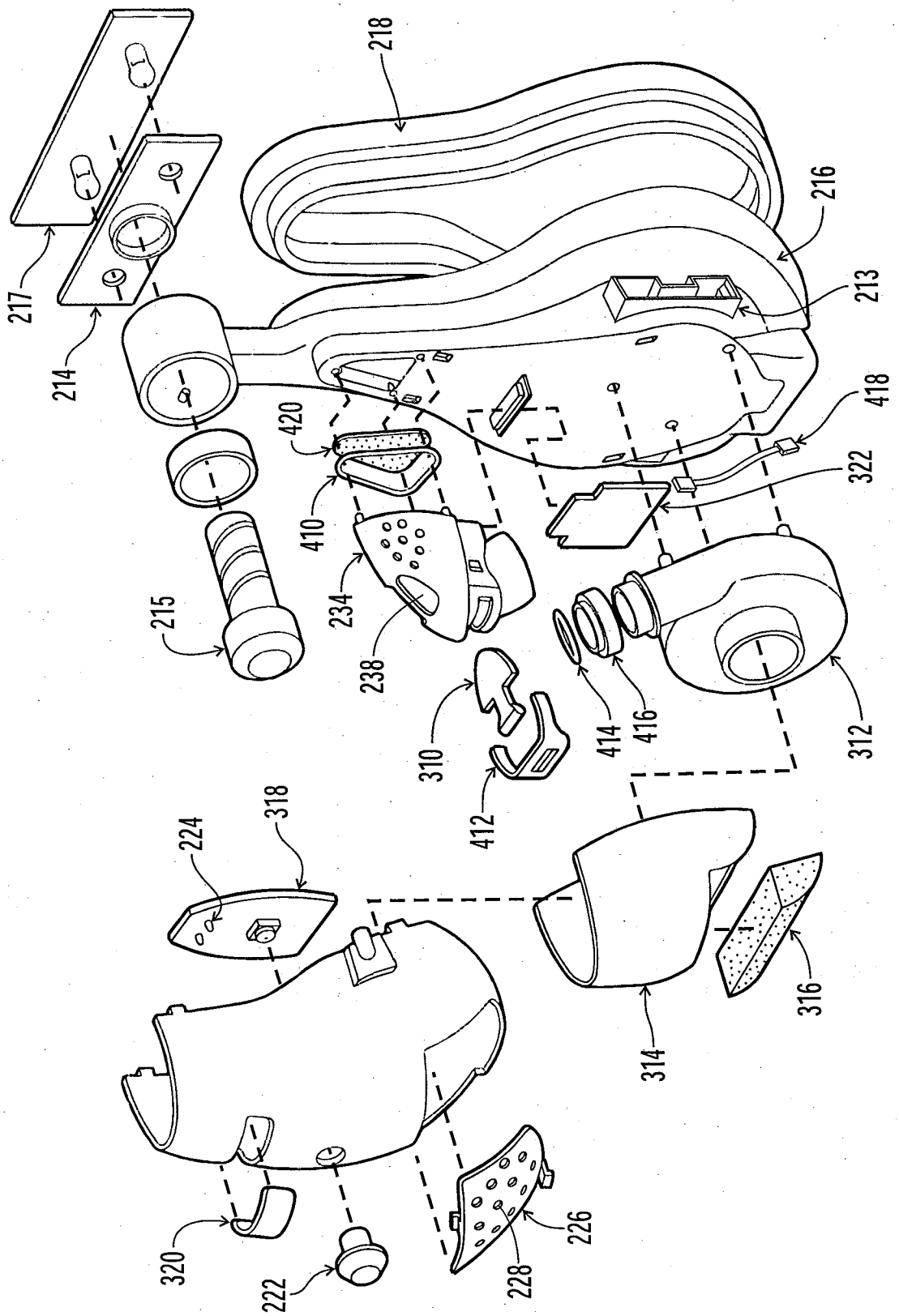

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FIG. 4

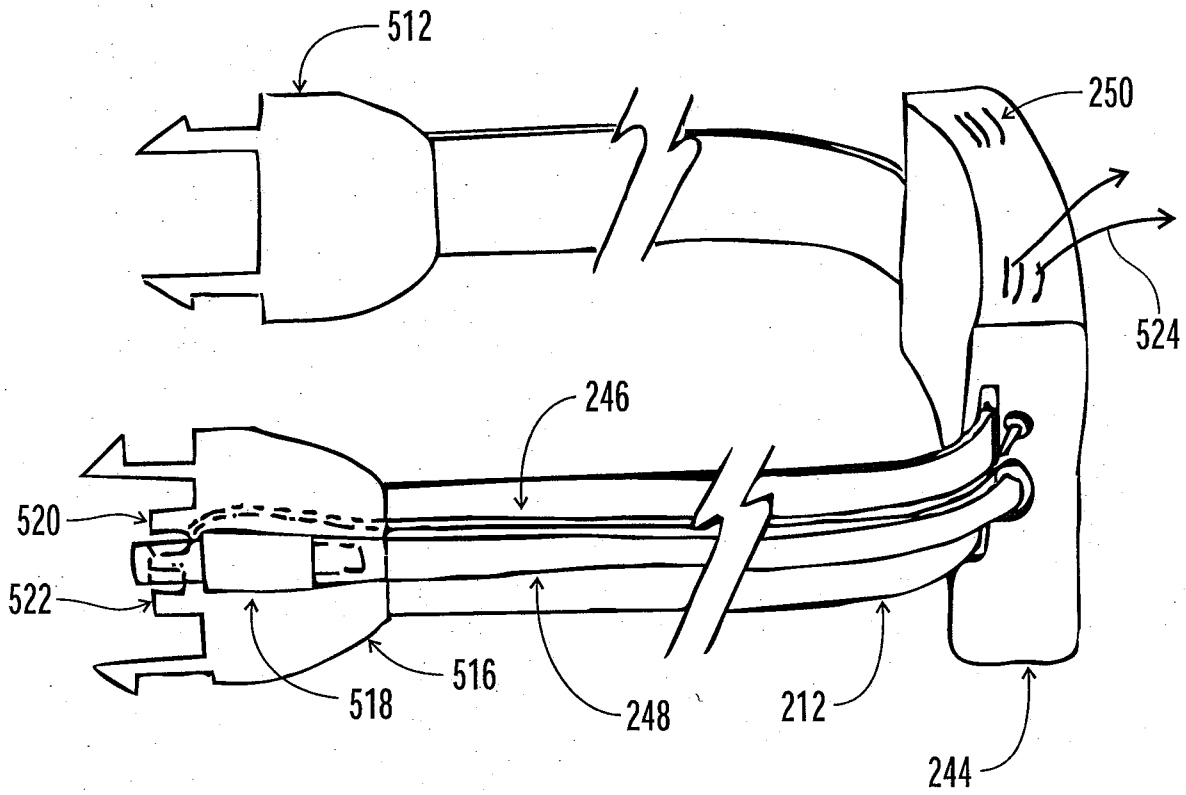


FIG. 5A

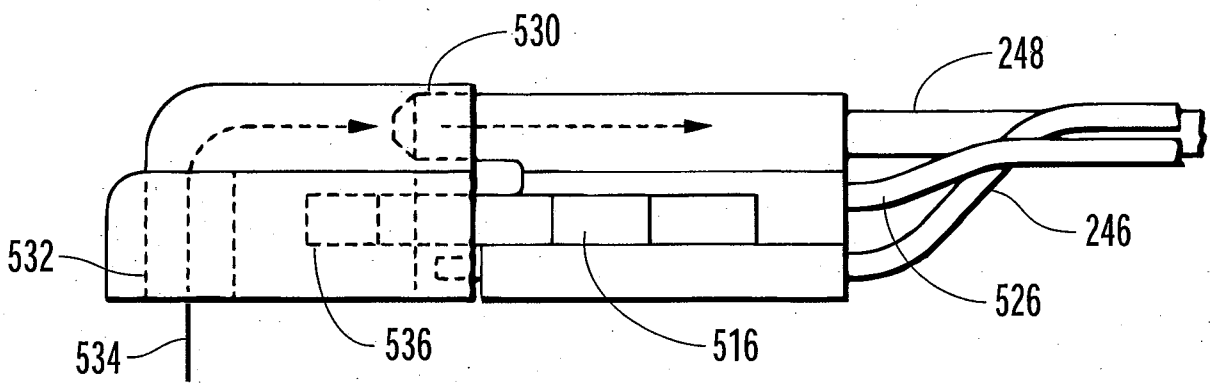


FIG. 5B

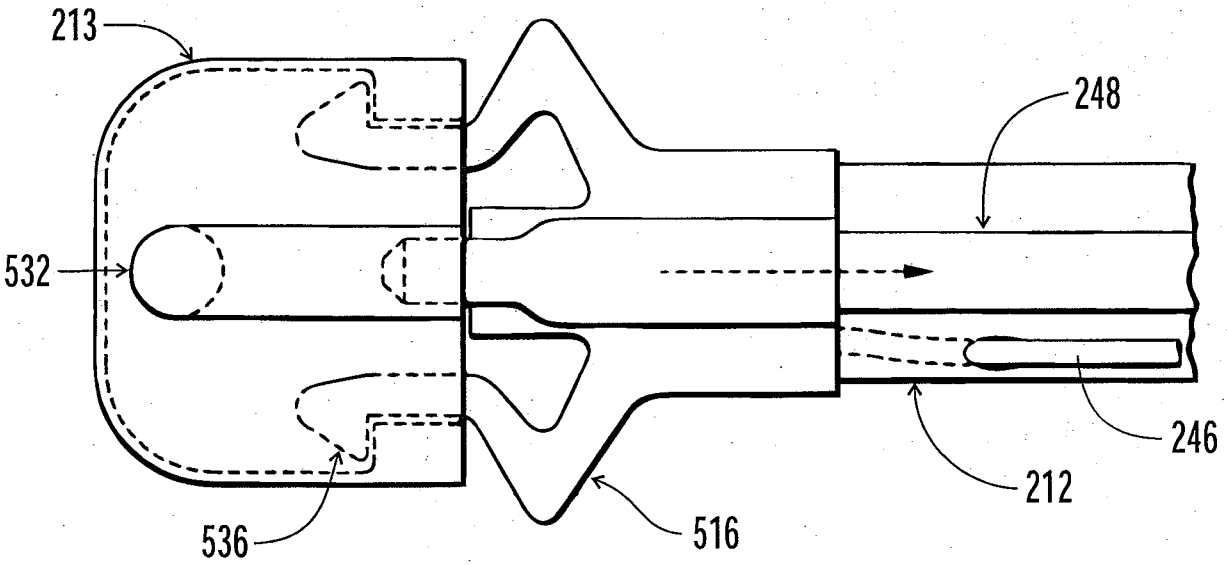


FIG. 5C

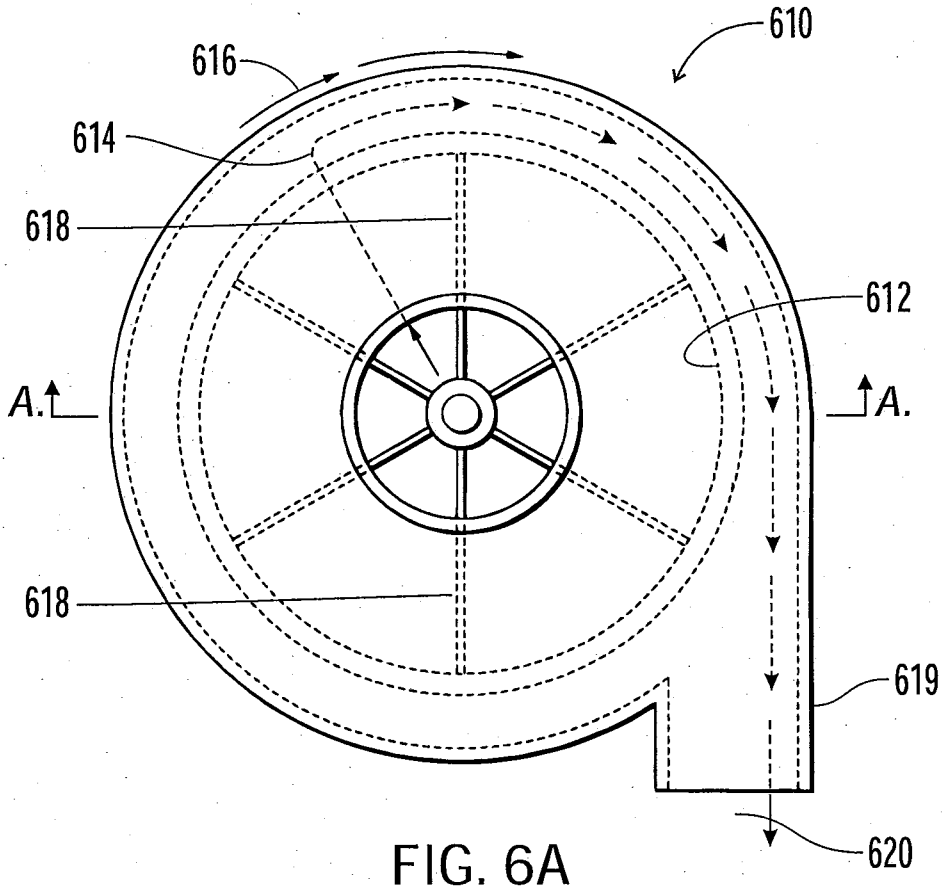

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616
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612
A.
A.
618
619
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FIG. 6A

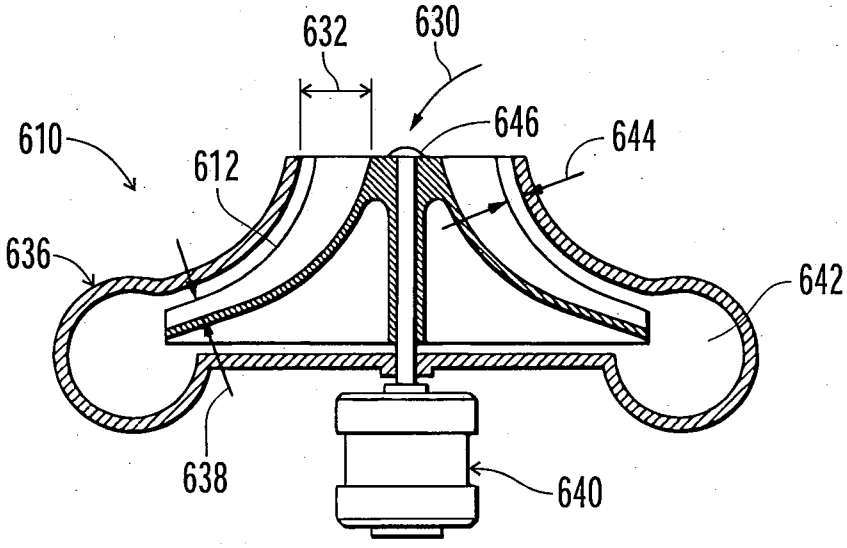

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644
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636
642
638
640

FIG. 6B

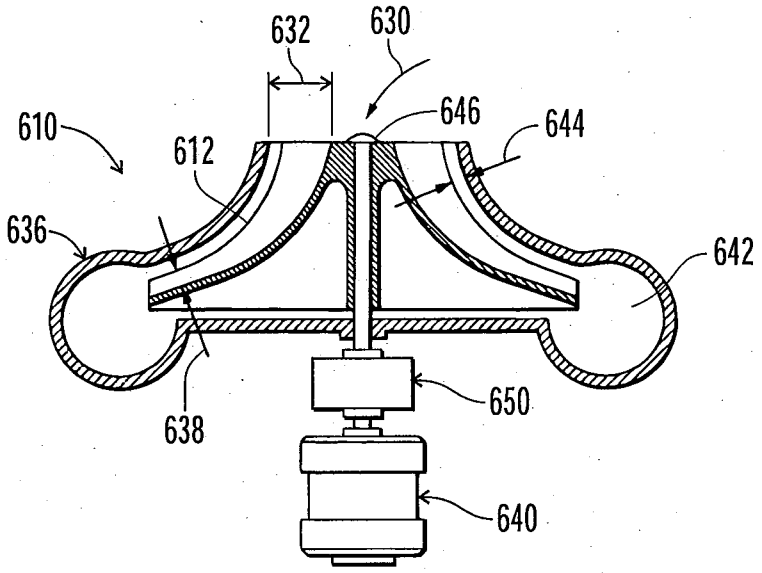

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638
640

FIG. 6C

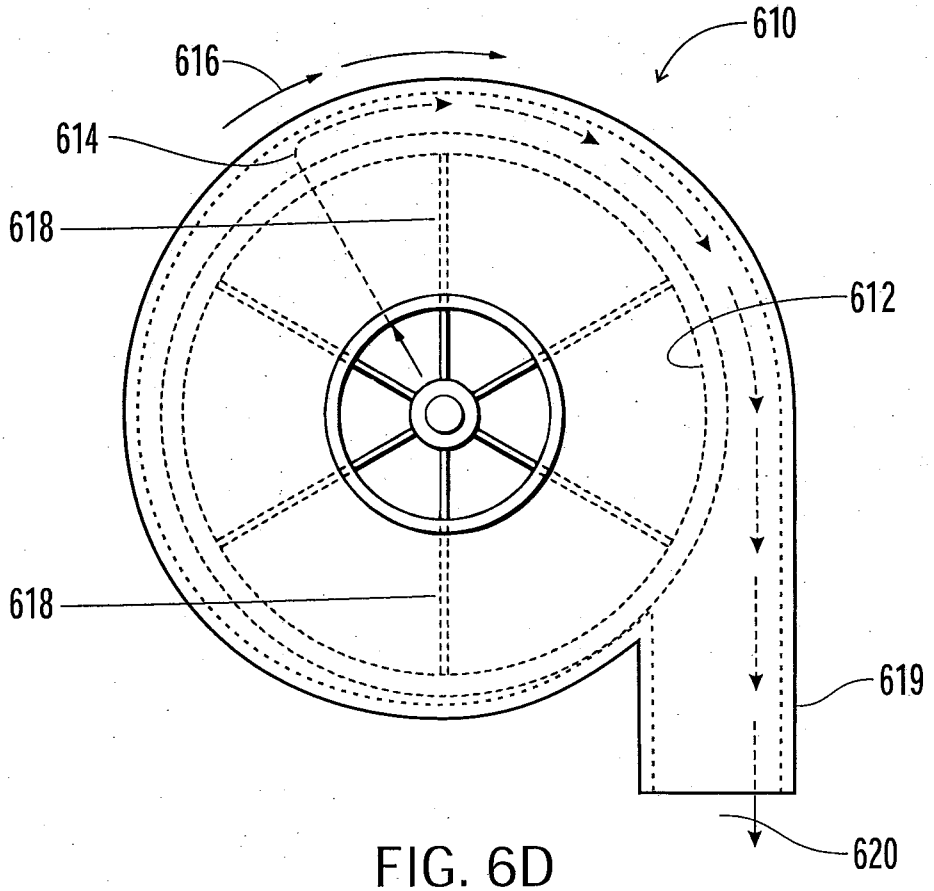

610
616
614
618
612
618
619
620

FIG. 6D

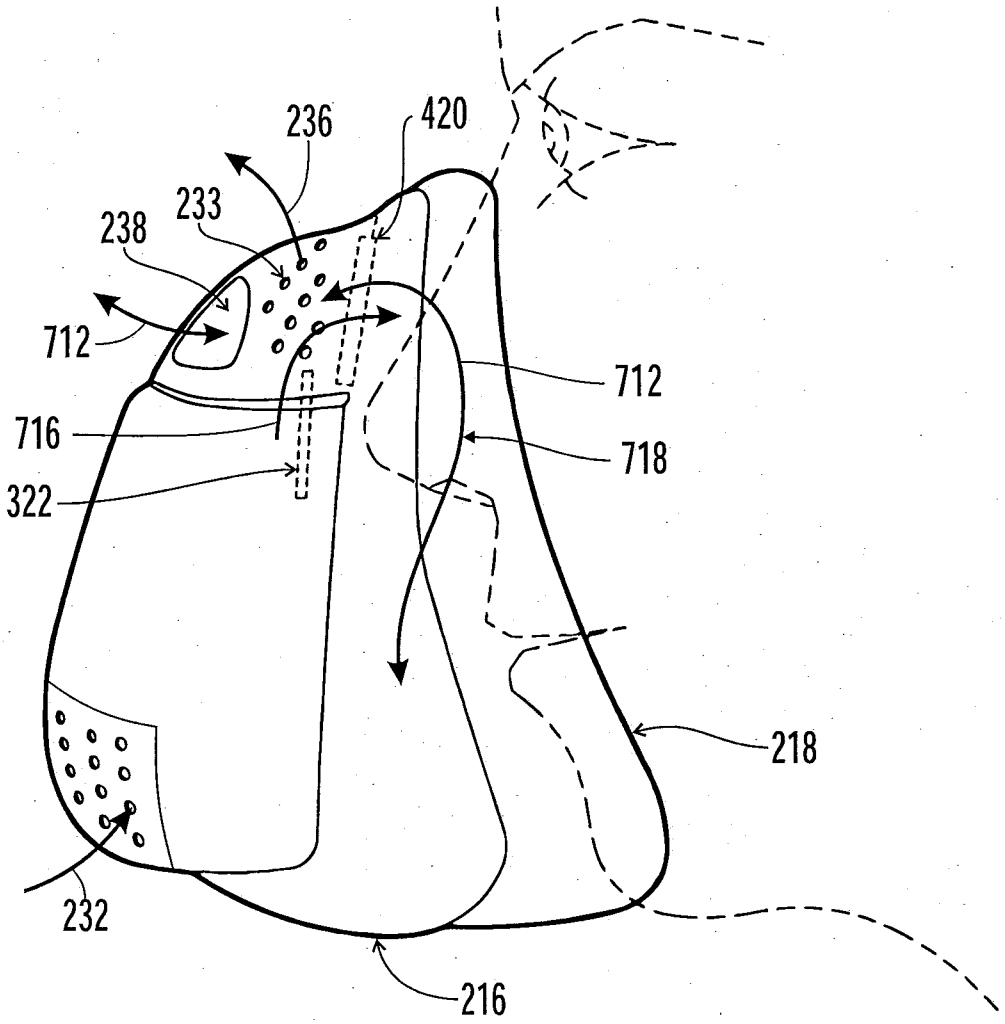


FIG. 7A

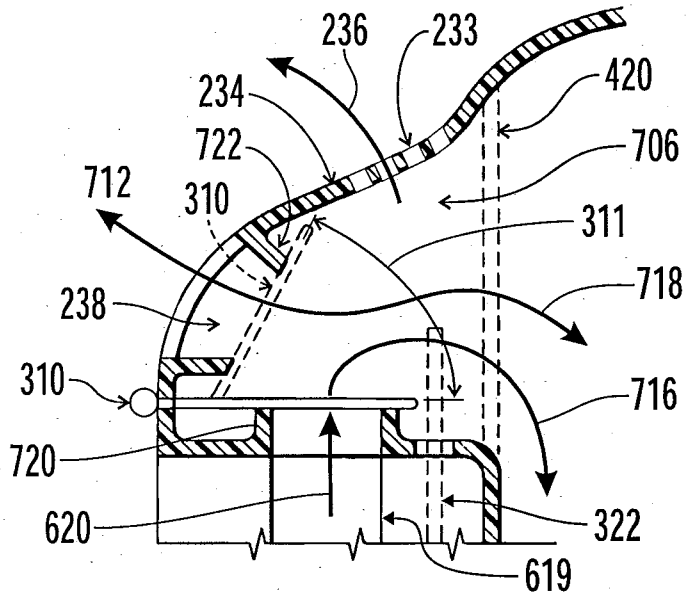

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FIG. 7B

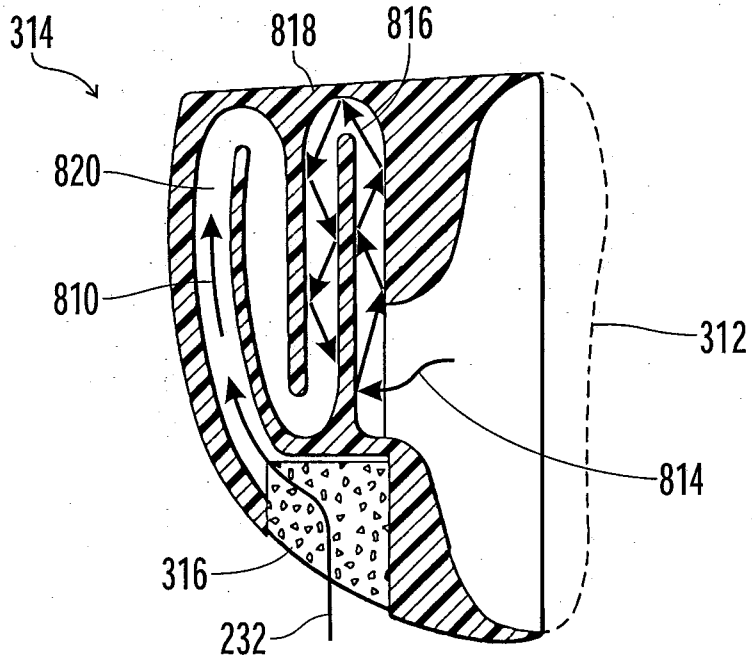

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FIG. 8

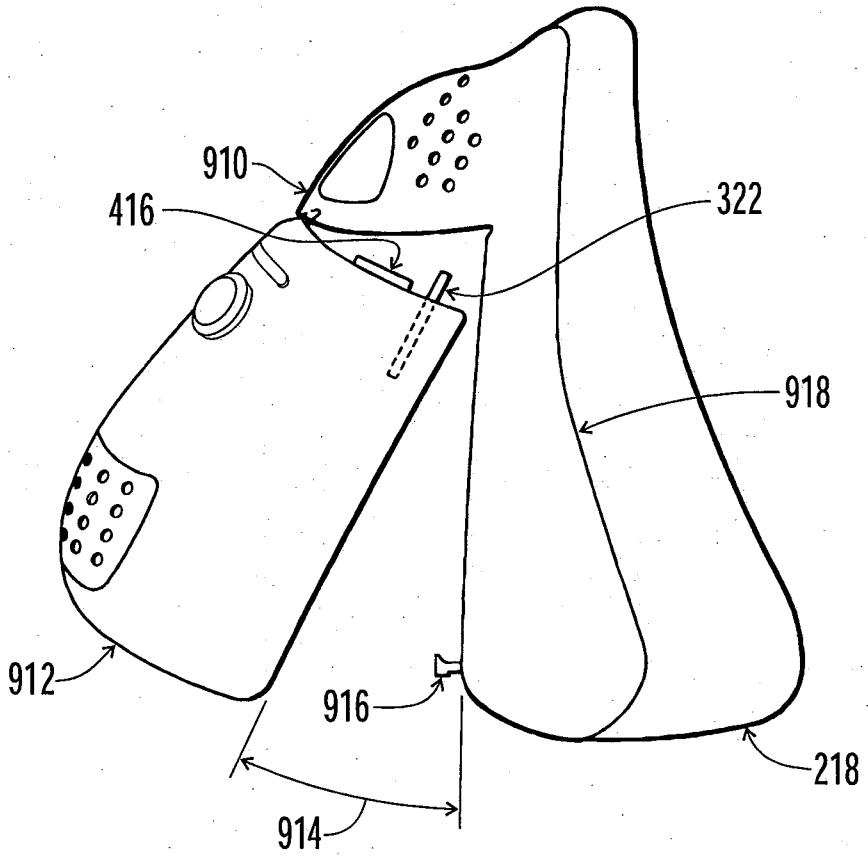


FIG. 9

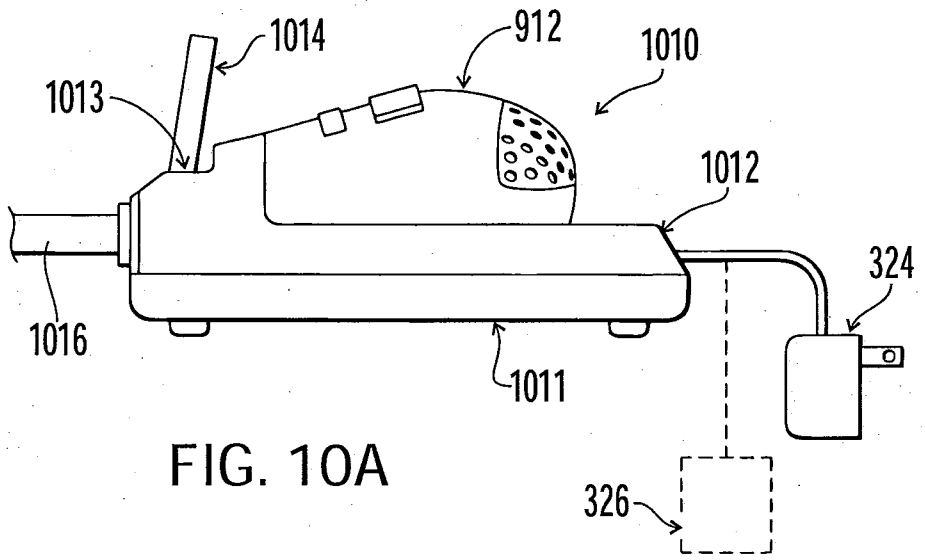


FIG. 10A

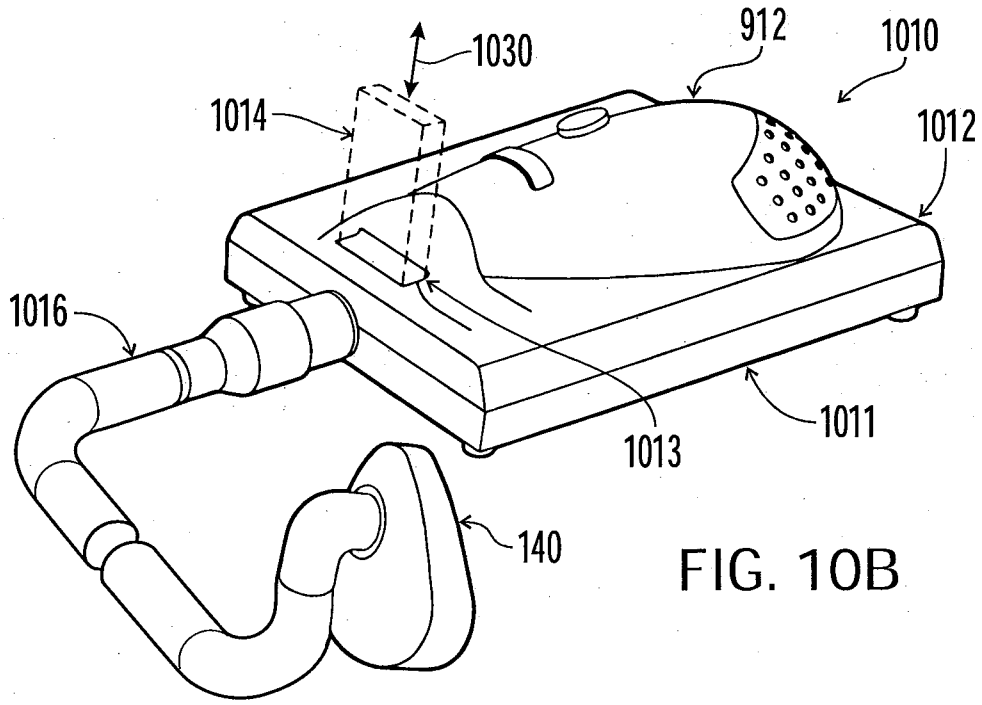


FIG. 10B

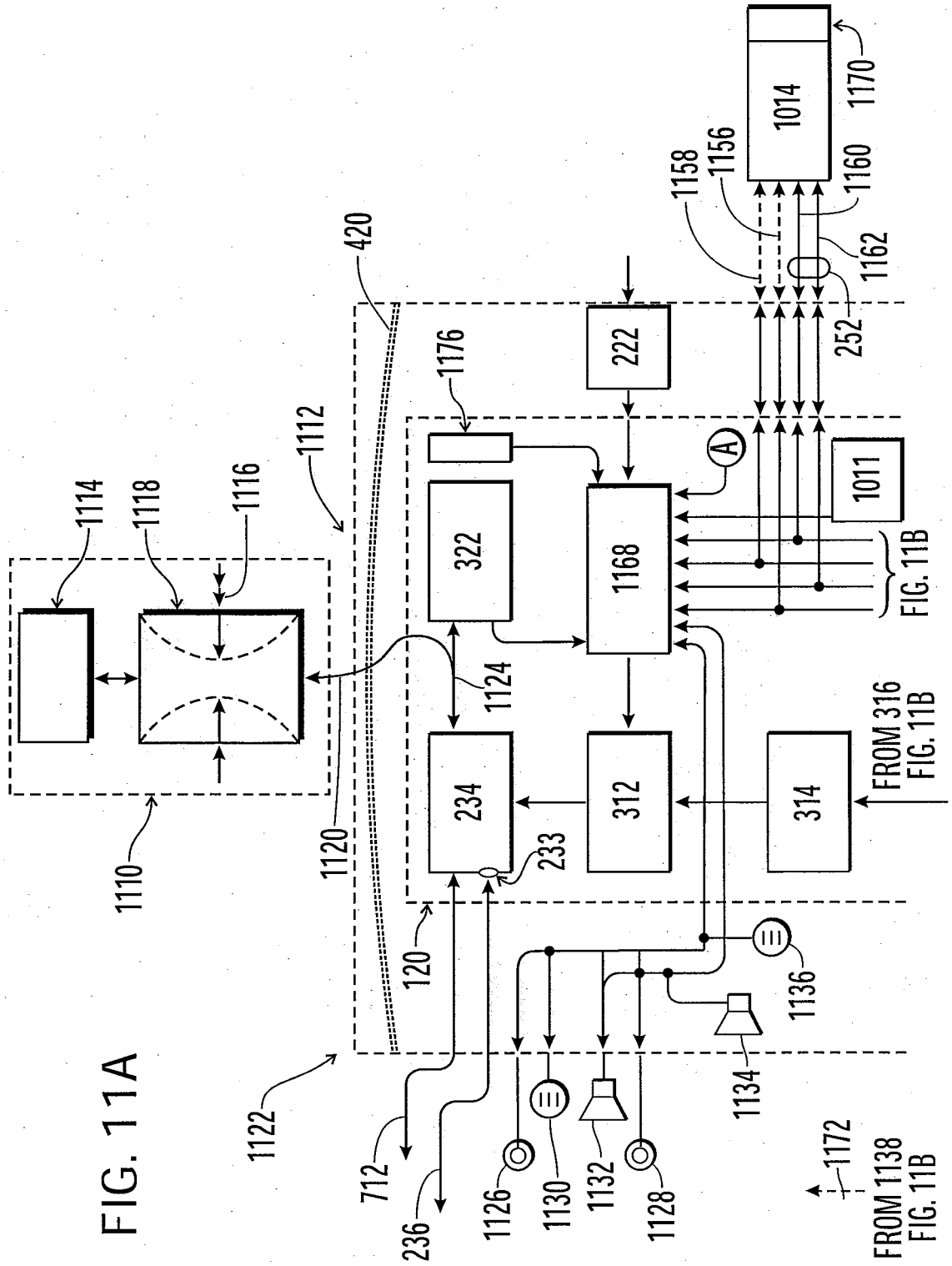

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1011
1014
1168
222
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712
A
FIG. 11B
FROM 316
FIG. 11B
FROM 1138
FIG. 11B

FIG. 11A

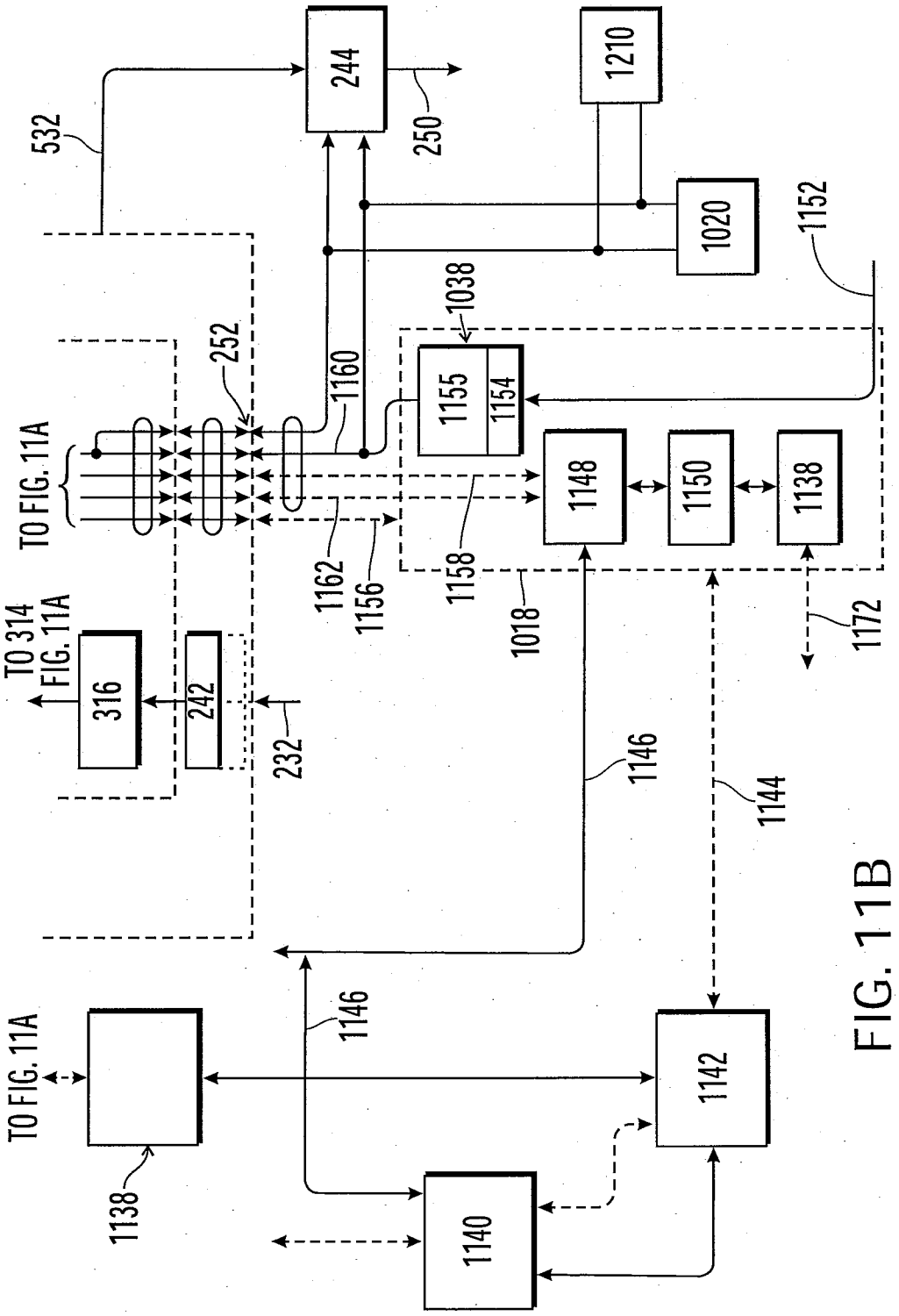

532
244
250
1210
1020
1152
1038
252
1160
1155
1154
TO FIG. 11A
1148
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1162
1156
1158
1018
1172
TO 314
FIG. 11A
316
242
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TO FIG. 11A
1146
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1140

FIG. 11B

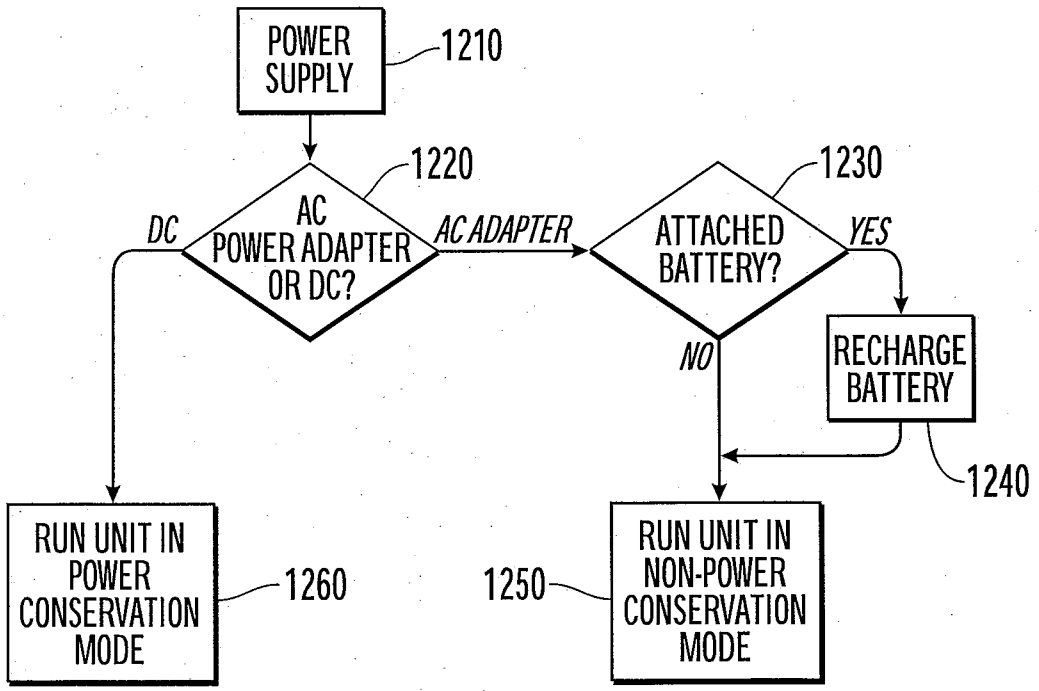

POWER SUPPLY
1210
1220
AC POWER ADAPTER OR DC?
DC
AC ADAPTER
1230
ATTACHED BATTERY?
YES
NO
RECHARGE BATTERY
1240
RUN UNIT IN POWER CONSERVATION MODE
1260
1250
RUN UNIT IN NON-POWER CONSERVATION MODE

FIG. 12