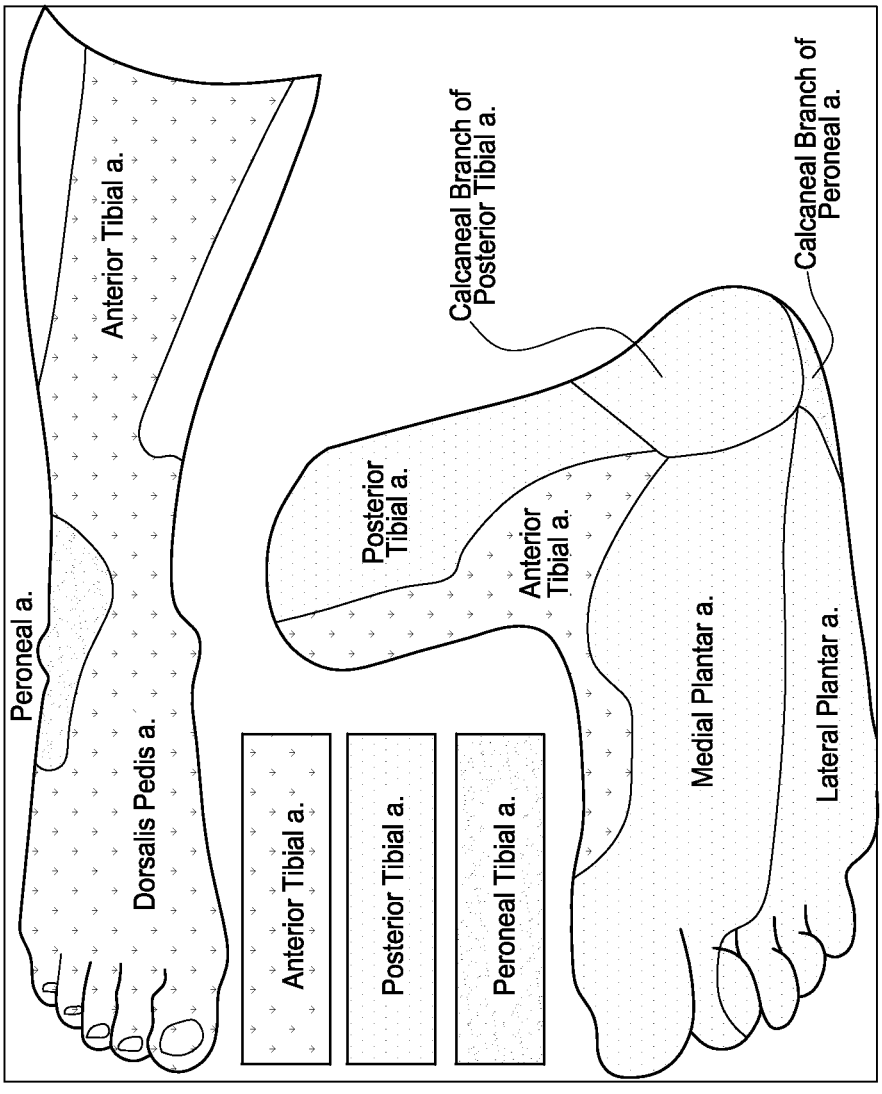

Peroneal a.
Anterior Tibial a.
Dorsalis Pedis a.
Anterior Tibial a.
Posterior Tibial a.
Peroneal Tibial a.
Calcaneal Branch of Posterior Tibial a.
Posterior Tibial a.
Anterior Tibial a.
Medial Plantar a.
Lateral Plantar a.
Calcaneal Branch of Peroneal a.

FIG. IA

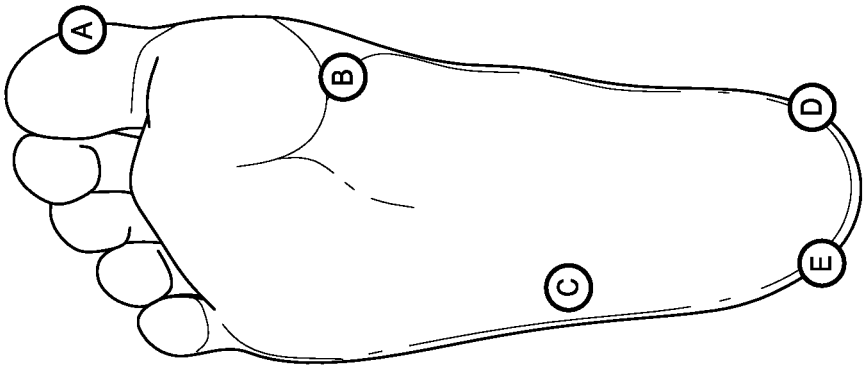

A
B
C
D
E

FIG. IB

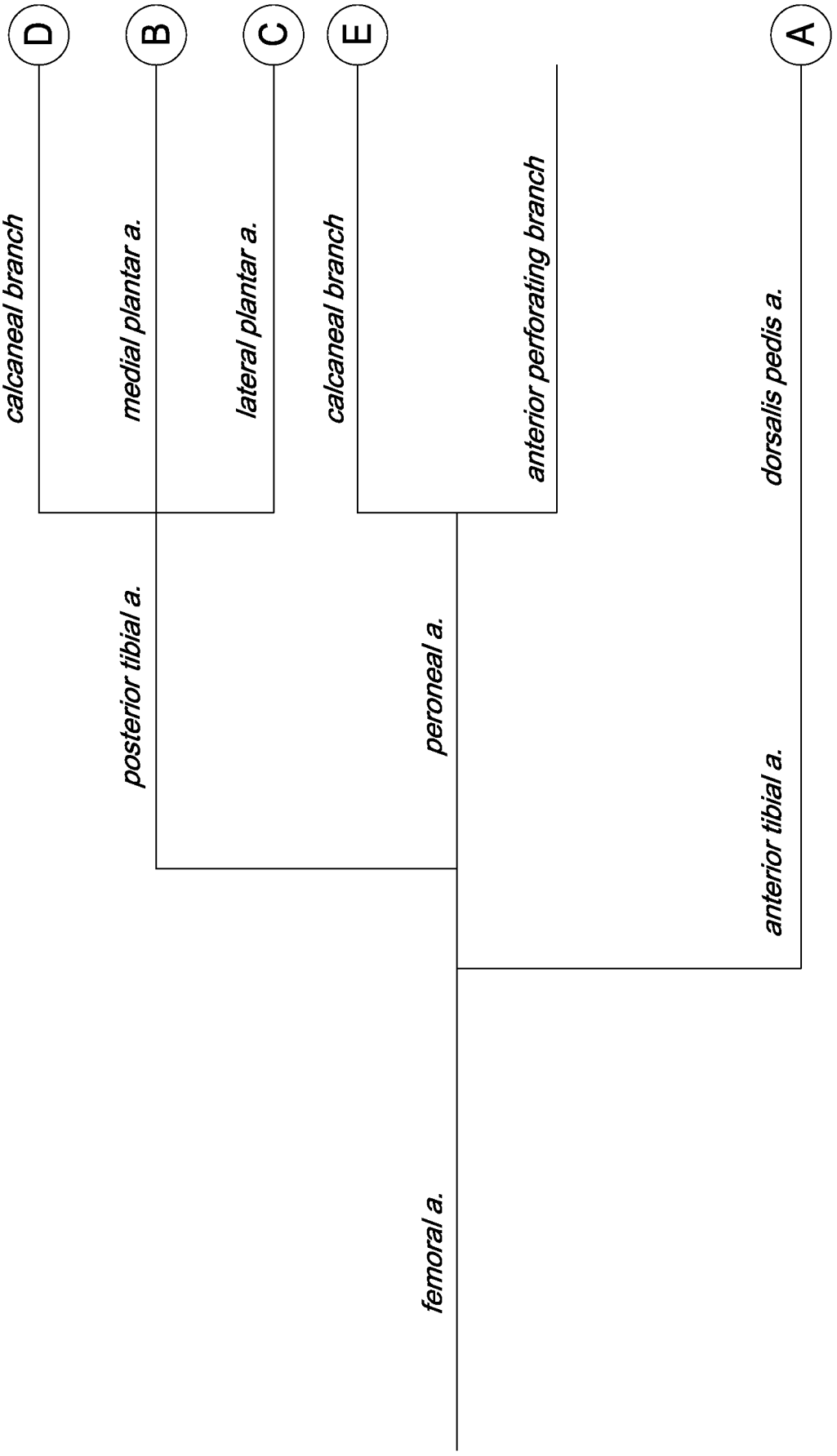

D
B
C
E
A
calcaneal branch
medial plantar a.
lateral plantar a.
calcaneal branch
anterior perforating branch
dorsalis pedis a.
posterior tibial a.
peroneal a.
anterior tibial a.
femoral a.

FIG. IC

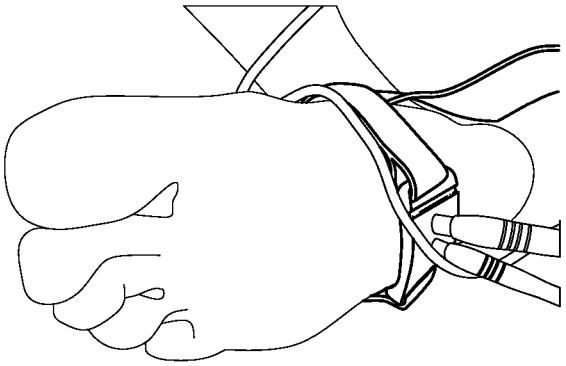


FIG. IF

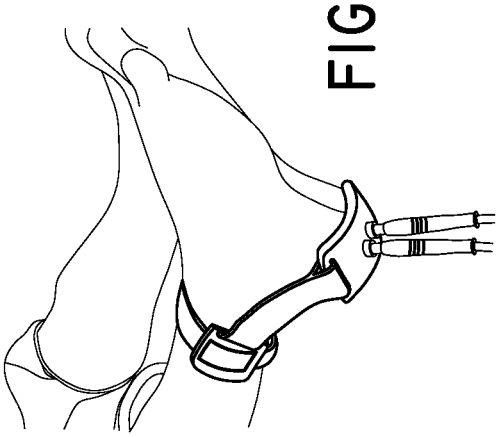


FIG. IH

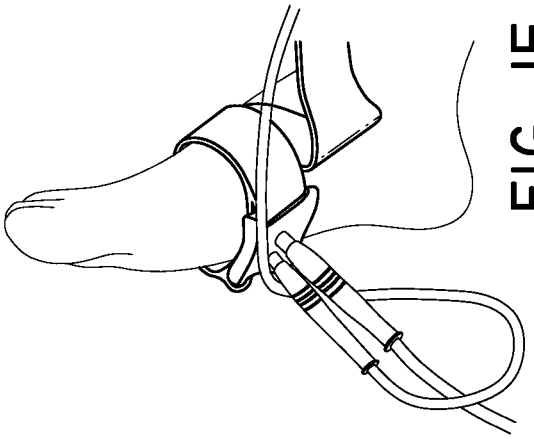


FIG. IE

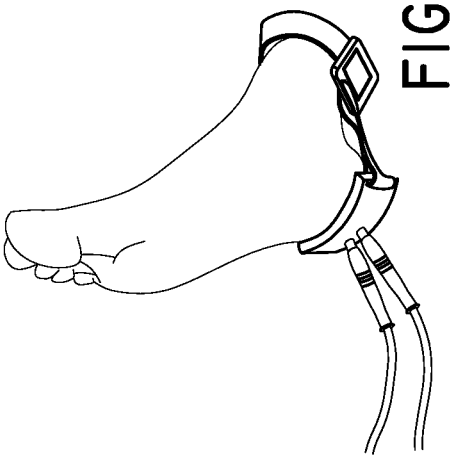


FIG. IG

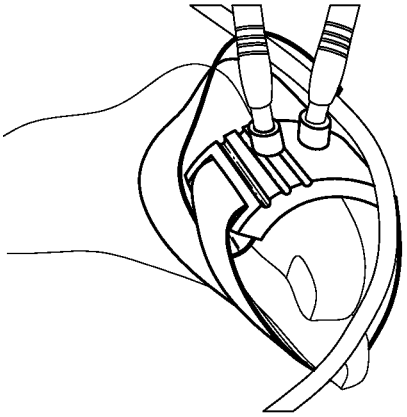


FIG. ID

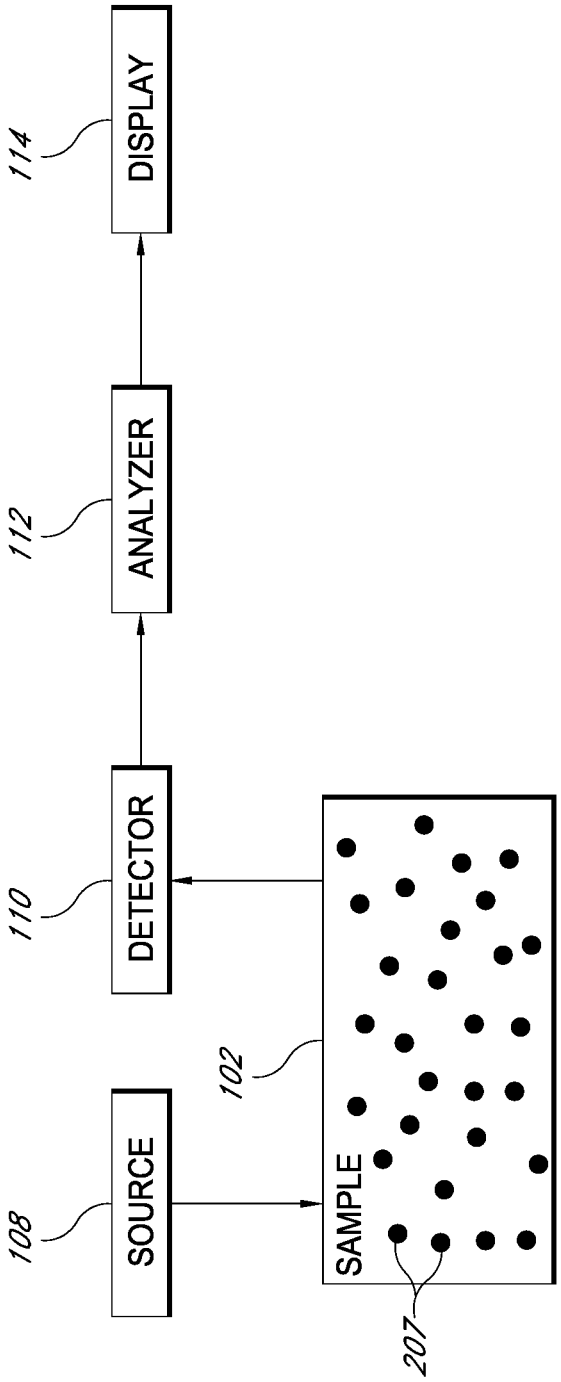

DISPLAY
114
ANALYZER
112
DETECTOR
110
SOURCE
108
SAMPLE
102
207

FIG. 2

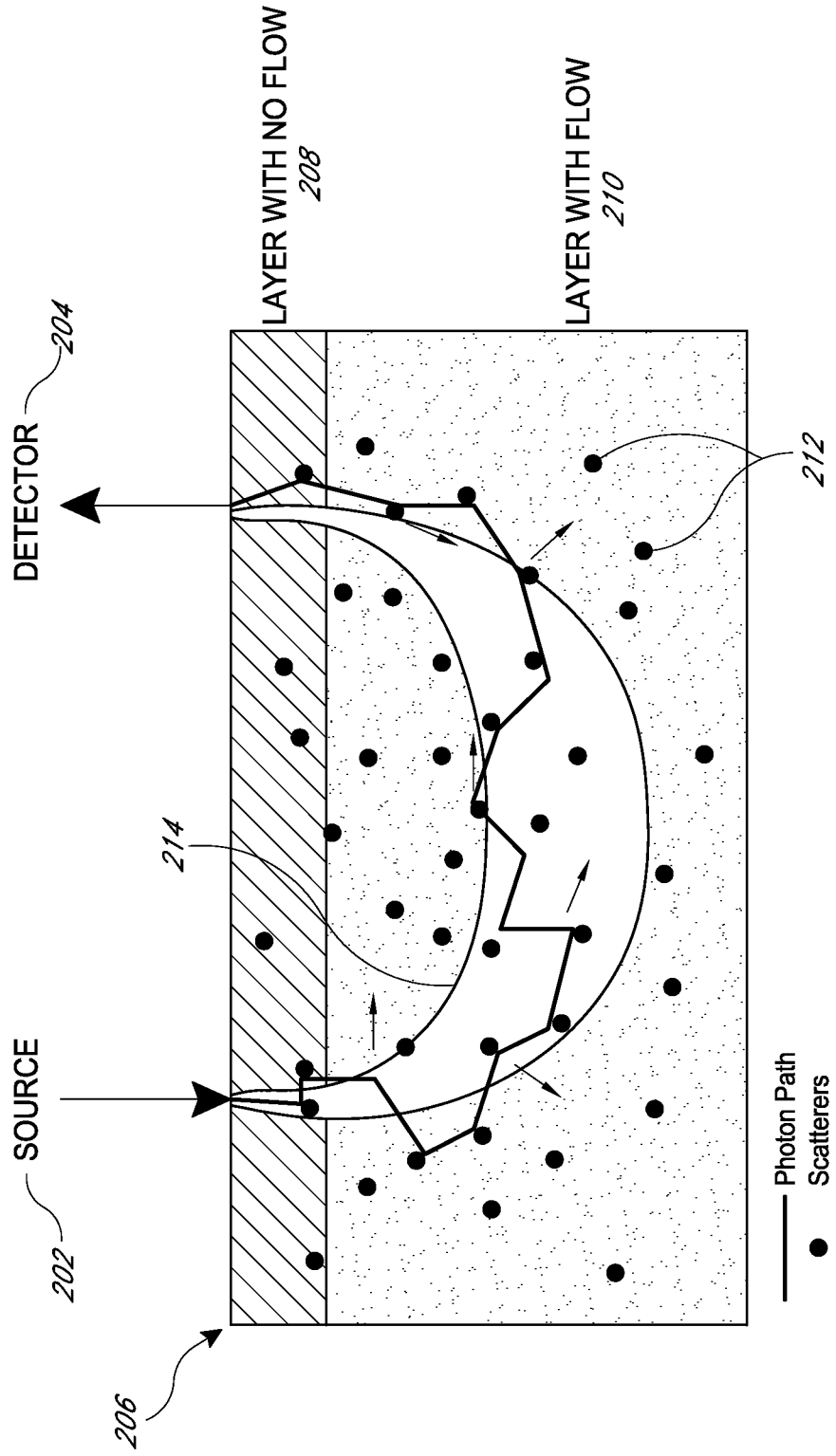

LAYER WITH NO FLOW
208
LAYER WITH FLOW
210
DETECTOR
204
SOURCE
202
206
212
214
Photon Path
Scatterers

FIG. 3

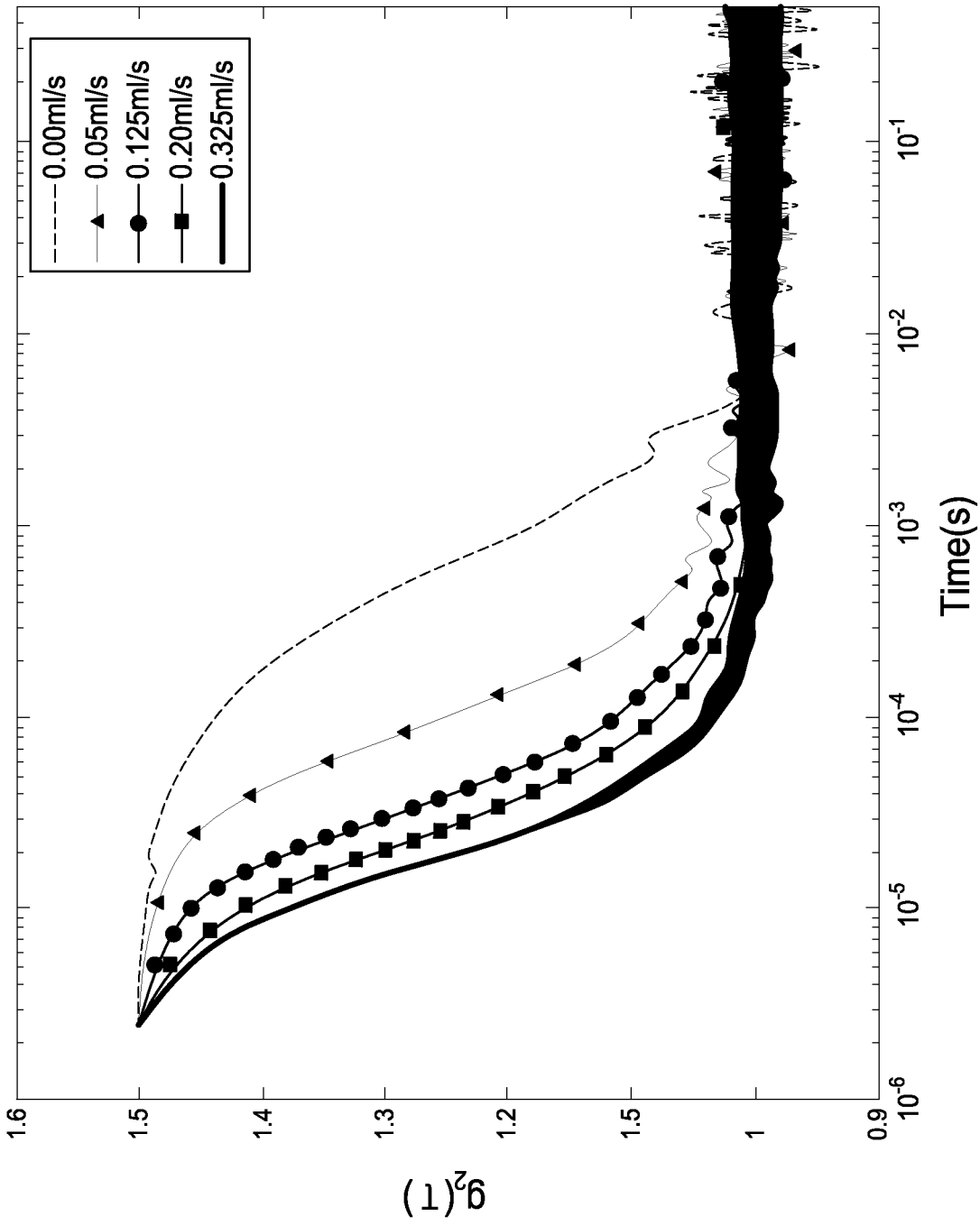

0.00ml/s
0.05ml/s
0.125ml/s
0.20ml/s
0.325ml/s
g2(τ)
Time(s)
1.6
1.5
1.4
1.3
1.2
1.5
1
0.9
10-6
10-5
10-4
10-3
10-2
10-1

FIG. 4

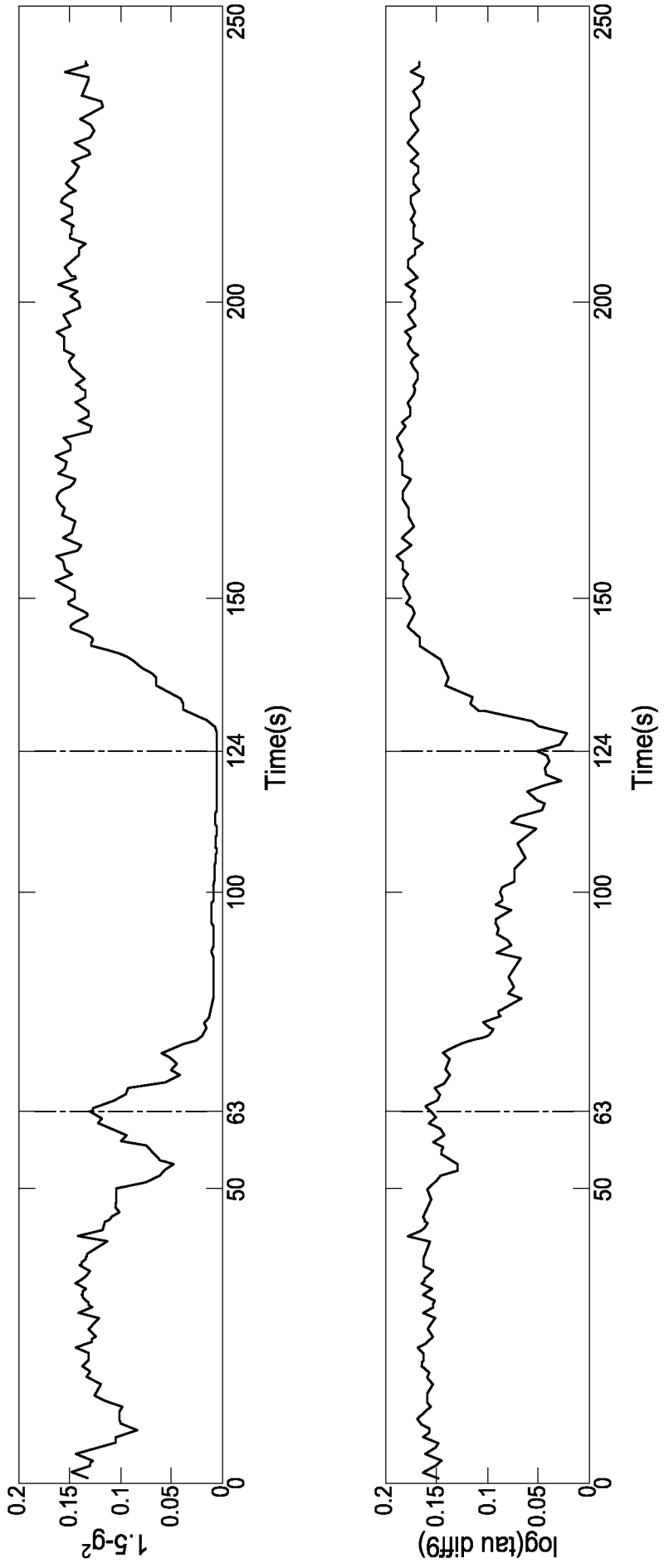

1.5-g²
0.2
0.15
0.1
0.05
0
0
50
63
100
124
150
200
250
Time(s)
log(tau diff9)
0.2
0.15
0.1
0.05
0
0
50
63
100
124
150
200
250
Time(s)

FIG. 5A

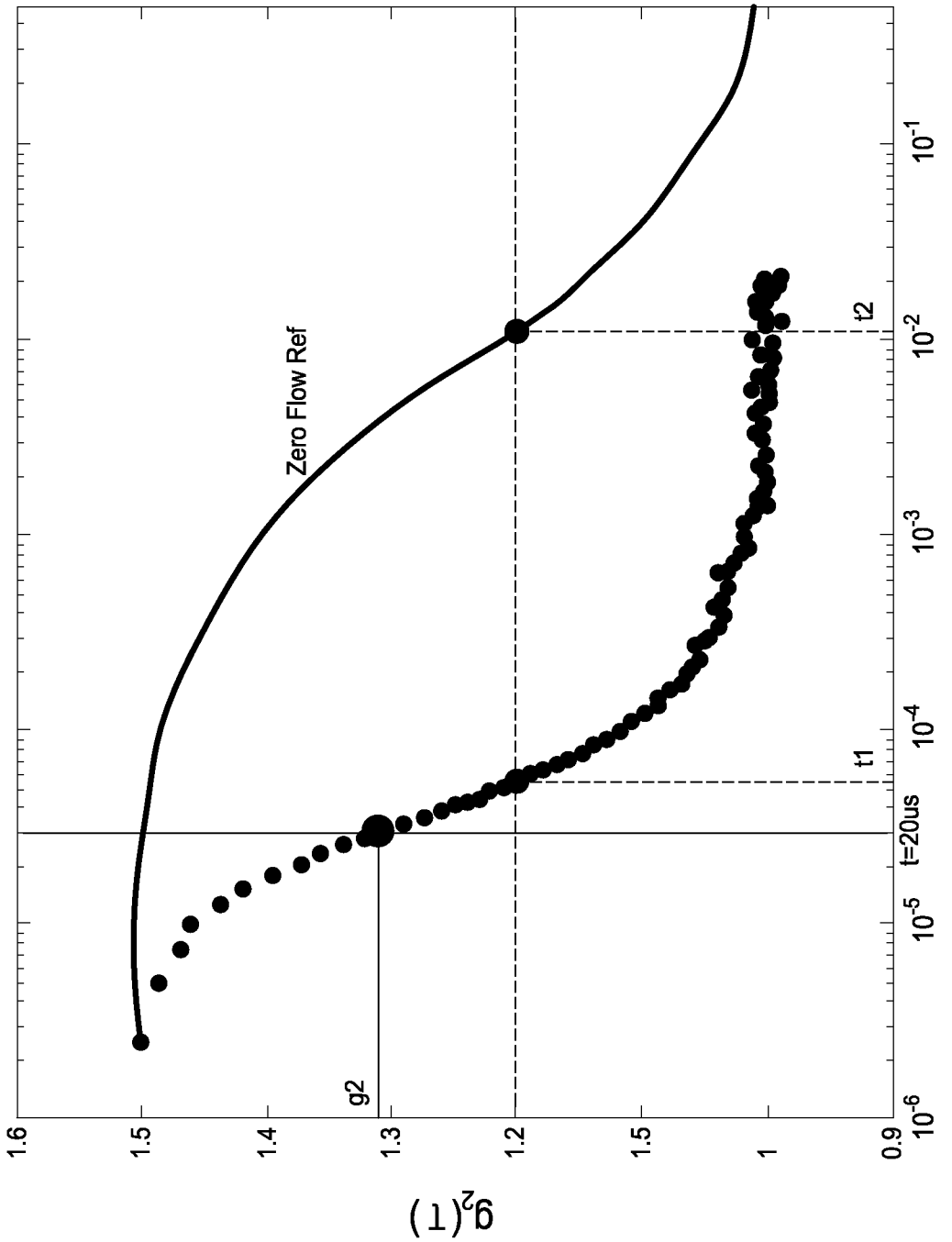

Zero Flow Ref
g2
t1
t2
t=20us
T (S)
g2(T)
1.6
1.5
1.4
1.3
1.2
1.5
1
0.9
10-6
10-5
10-4
10-3
10-2
10-1

FIG. 5B

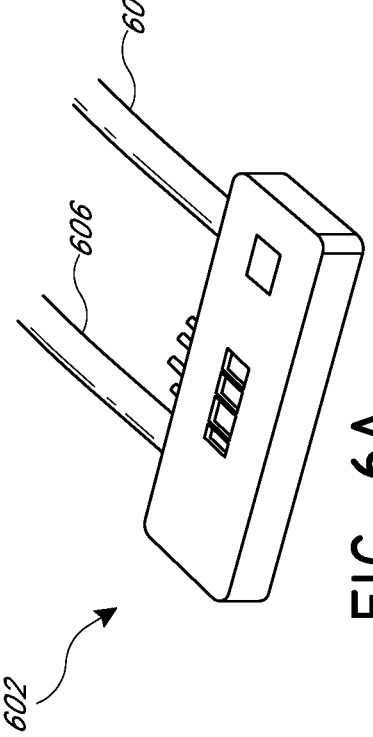


FIG. 6A

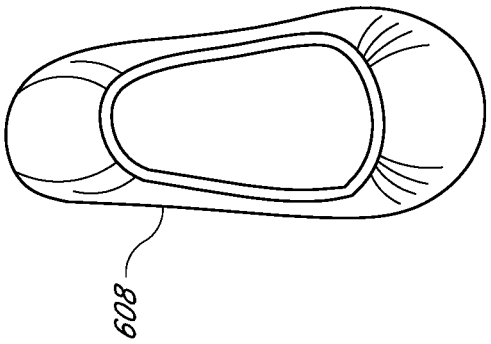


FIG. 6B

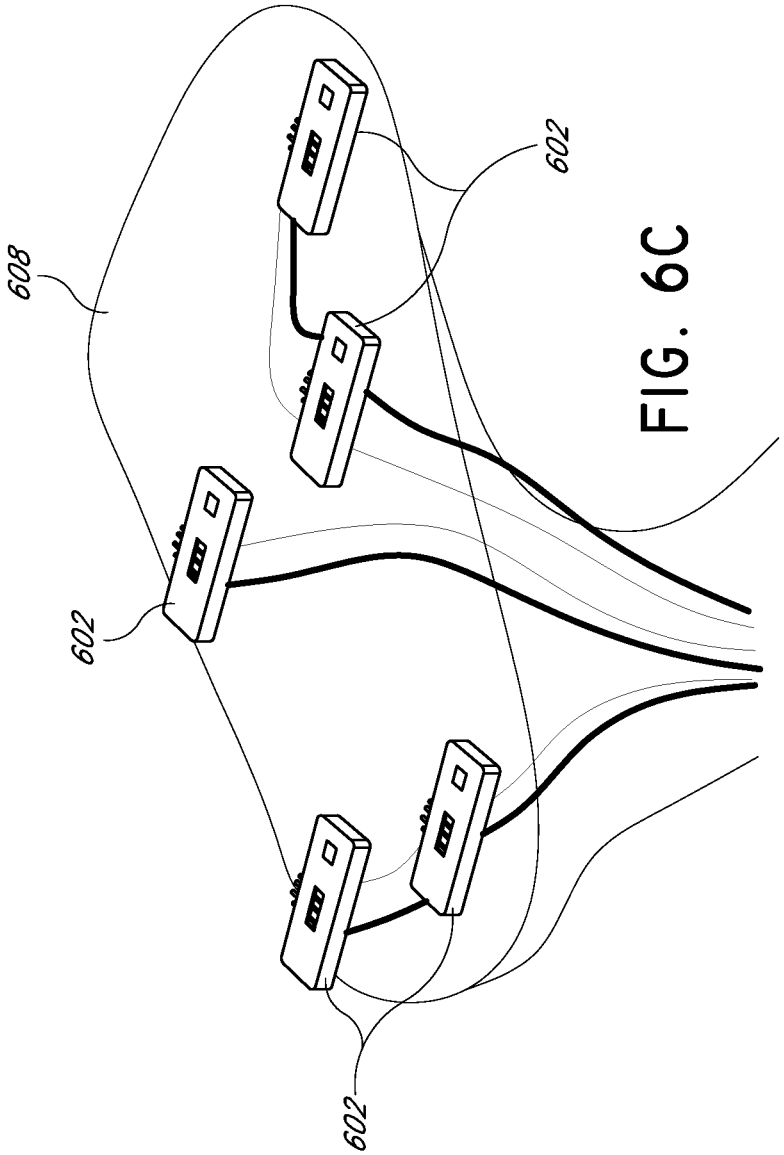


FIG. 6C

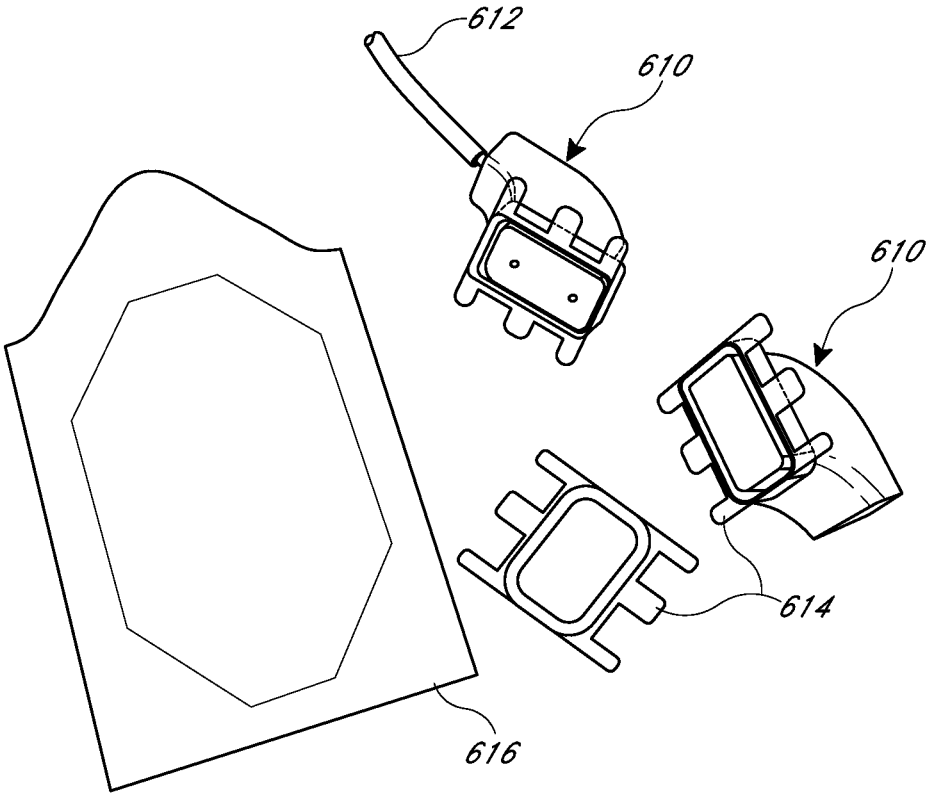


FIG. 6D

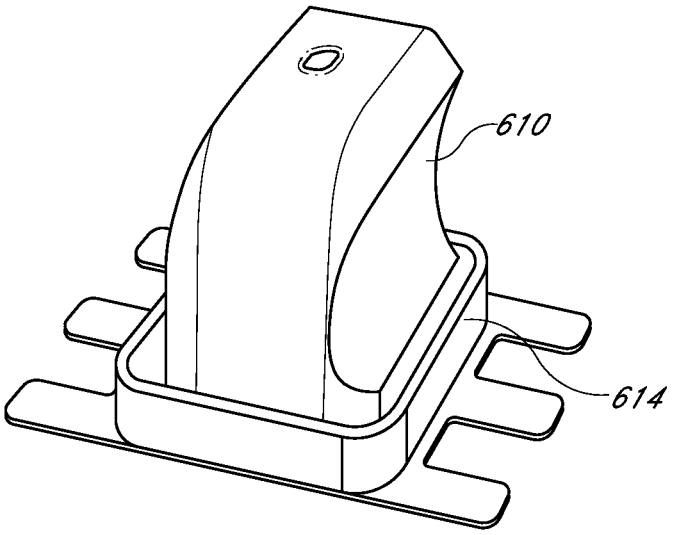


FIG. 6E

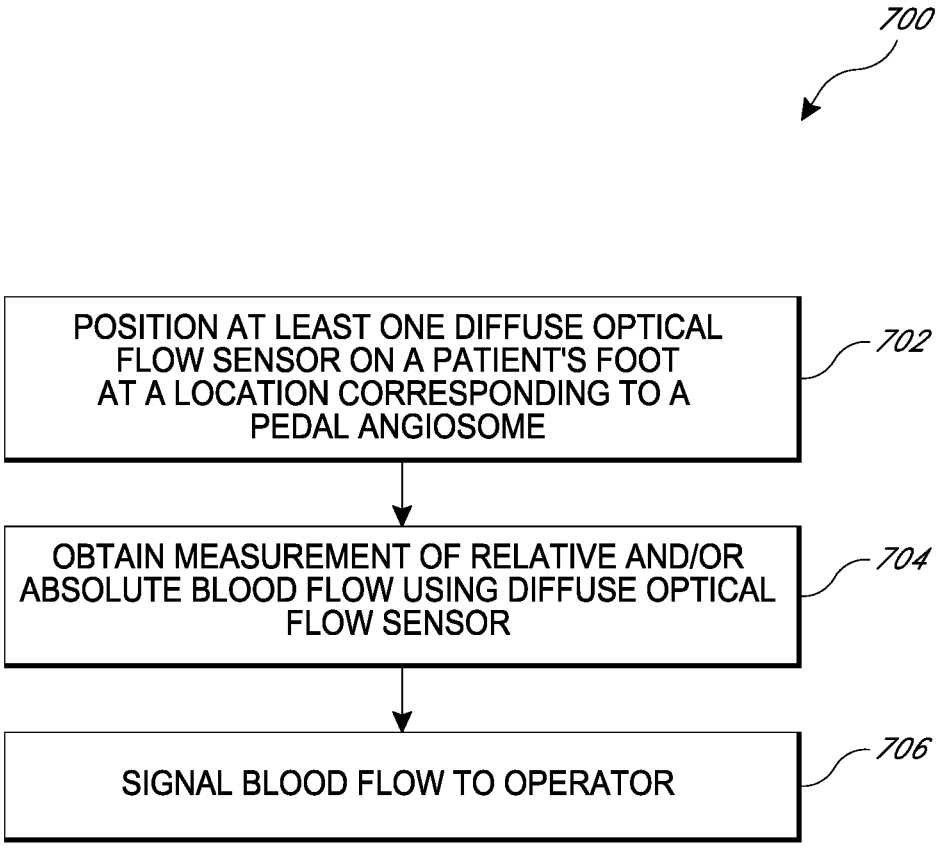

700
POSITION AT LEAST ONE DIFFUSE OPTICAL FLOW SENSOR ON A PATIENT'S FOOT AT A LOCATION CORRESPONDING TO A PEDAL ANGIOSOME
702
OBTAIN MEASUREMENT OF RELATIVE AND/OR ABSOLUTE BLOOD FLOW USING DIFFUSE OPTICAL FLOW SENSOR
704
SIGNAL BLOOD FLOW TO OPERATOR
706

FIG. 7

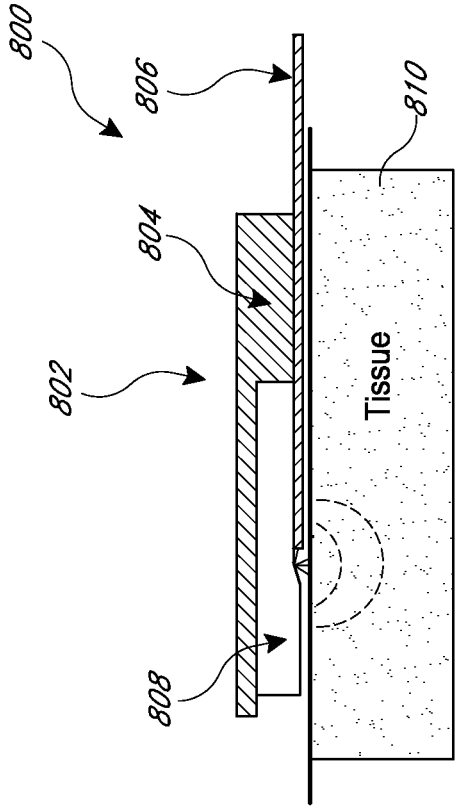


FIG. 8A

FIG. 8B

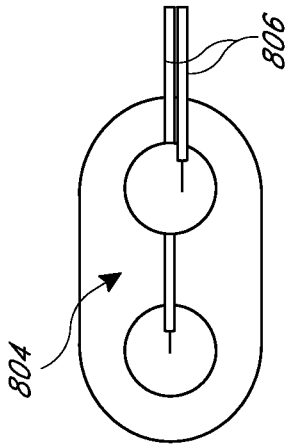


FIG. 8C

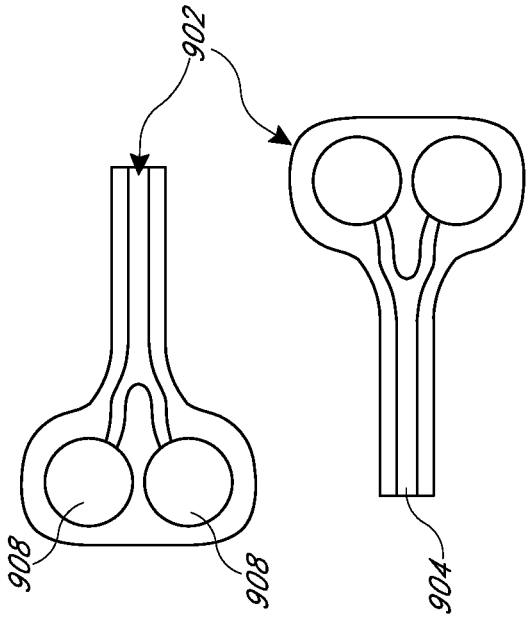


FIG. 9B

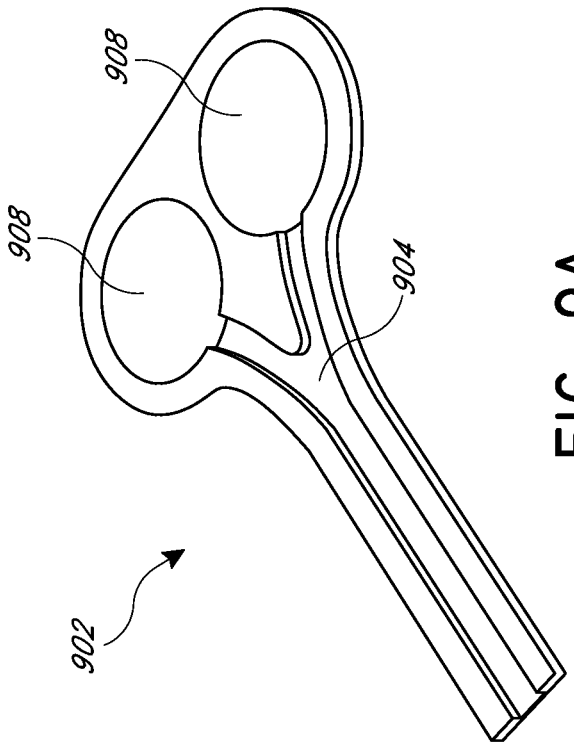


FIG. 9A

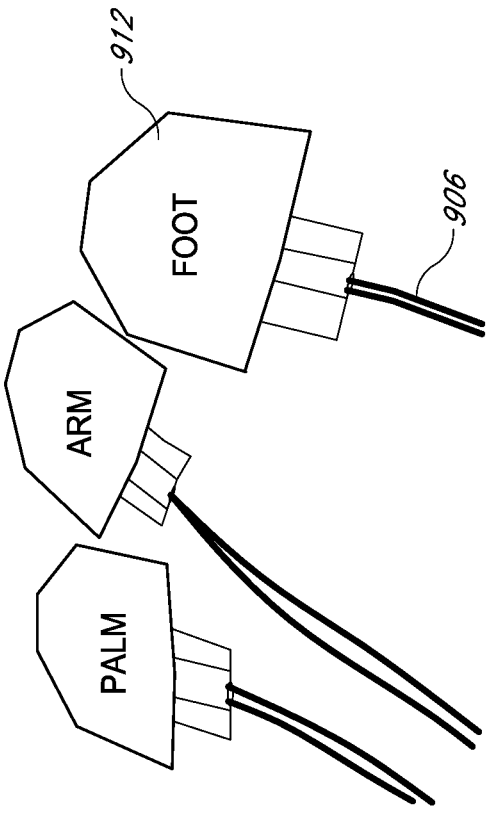


FIG. 9C

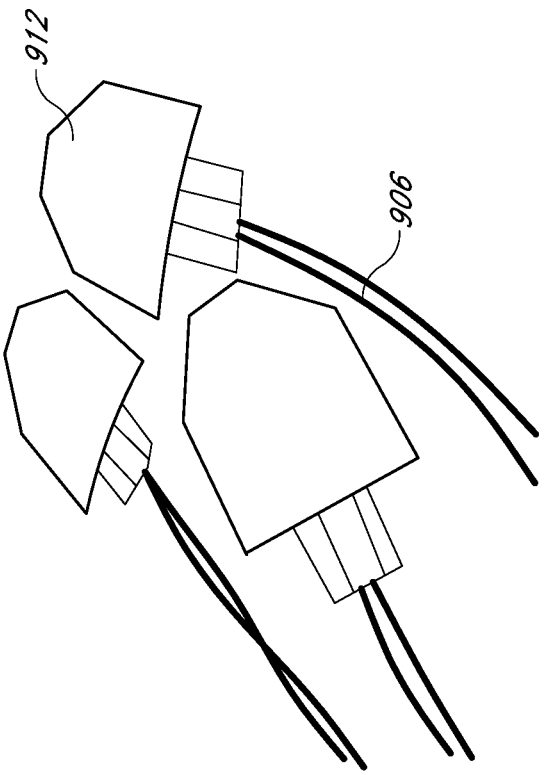


FIG. 9D

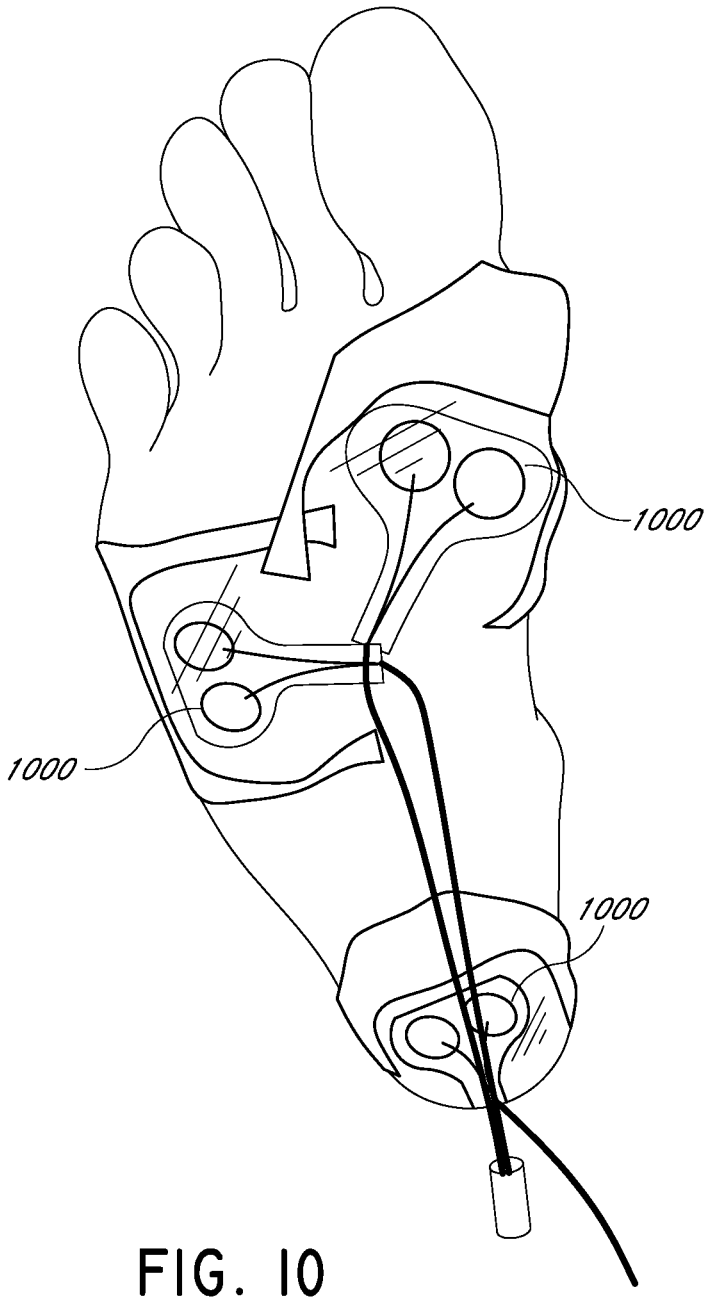


FIG. 10

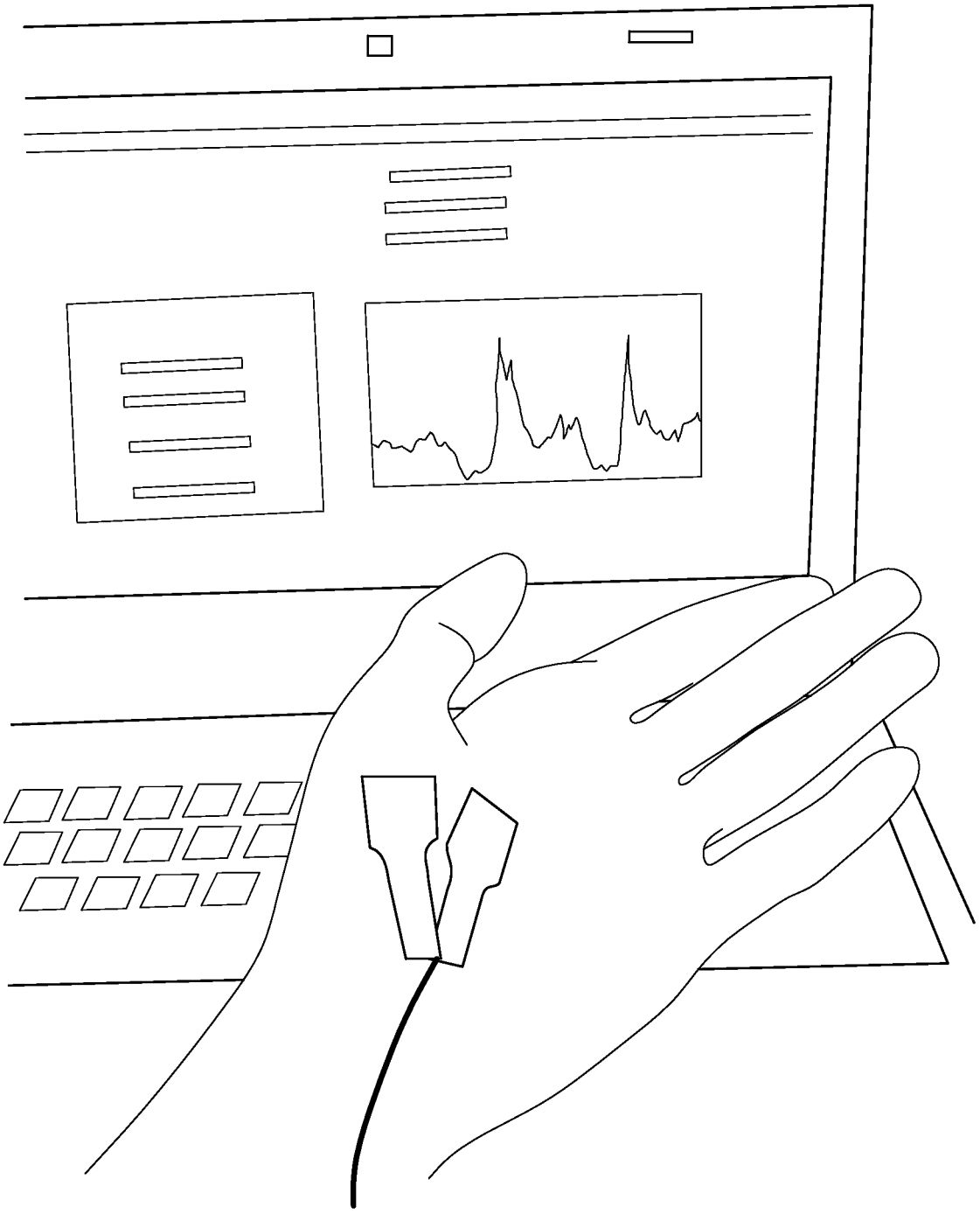


FIG. 11