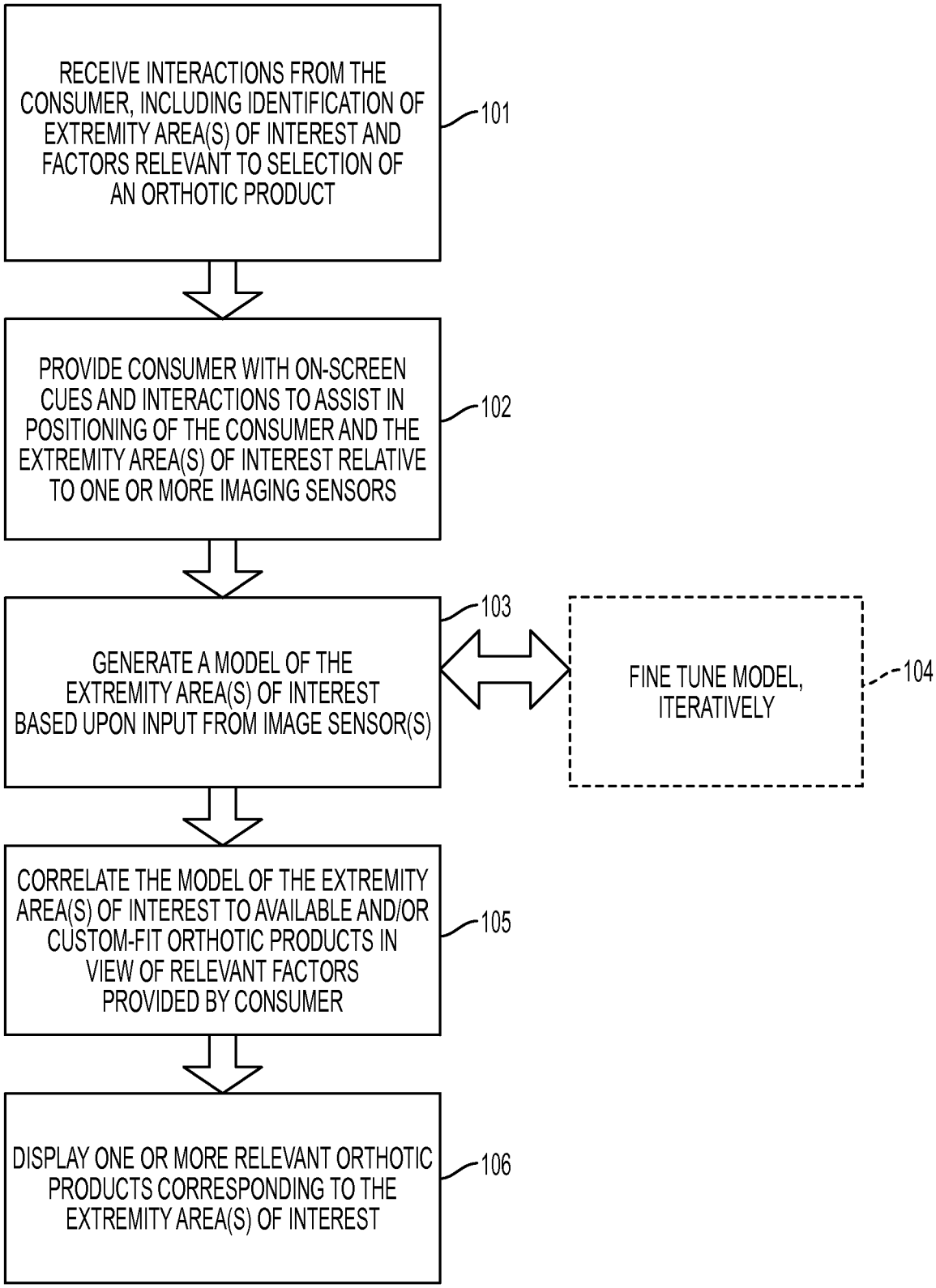
RECEIVE INTERACTIONS FROM THE CONSUMER, INCLUDING IDENTIFICATION OF EXTREMITY AREA(S) OF INTEREST AND FACTORS RELEVANT TO SELECTION OF AN ORTHOTIC PRODUCT
101
PROVIDE CONSUMER WITH ON-SCREEN CUES AND INTERACTIONS TO ASSIST IN POSITIONING OF THE CONSUMER AND THE EXTREMITY AREA(S) OF INTEREST RELATIVE TO ONE OR MORE IMAGING SENSORS
102
GENERATE A MODEL OF THE EXTREMITY AREA(S) OF INTEREST BASED UPON INPUT FROM IMAGE SENSOR(S)
103
FINE TUNE MODEL, ITERATIVELY
104
CORRELATE THE MODEL OF THE EXTREMITY AREA(S) OF INTEREST TO AVAILABLE AND/OR CUSTOM-FIT ORTHOTIC PRODUCTS IN VIEW OF RELEVANT FACTORS PROVIDED BY CONSUMER
105
DISPLAY ONE OR MORE RELEVANT ORTHOTIC PRODUCTS CORRESPONDING TO THE EXTREMITY AREA(S) OF INTEREST
106

FIG. 1

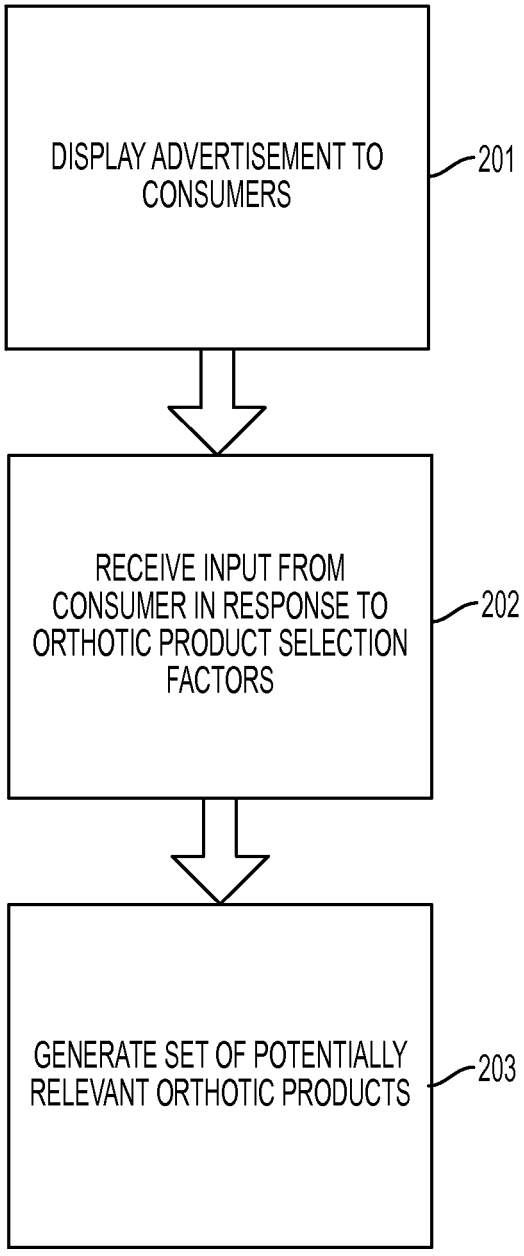
DISPLAY ADVERTISEMENT TO CONSUMERS
201
RECEIVE INPUT FROM CONSUMER IN RESPONSE TO ORTHOTIC PRODUCT SELECTION FACTORS
202
GENERATE SET OF POTENTIALLY RELEVANT ORTHOTIC PRODUCTS
203

FIG. 2

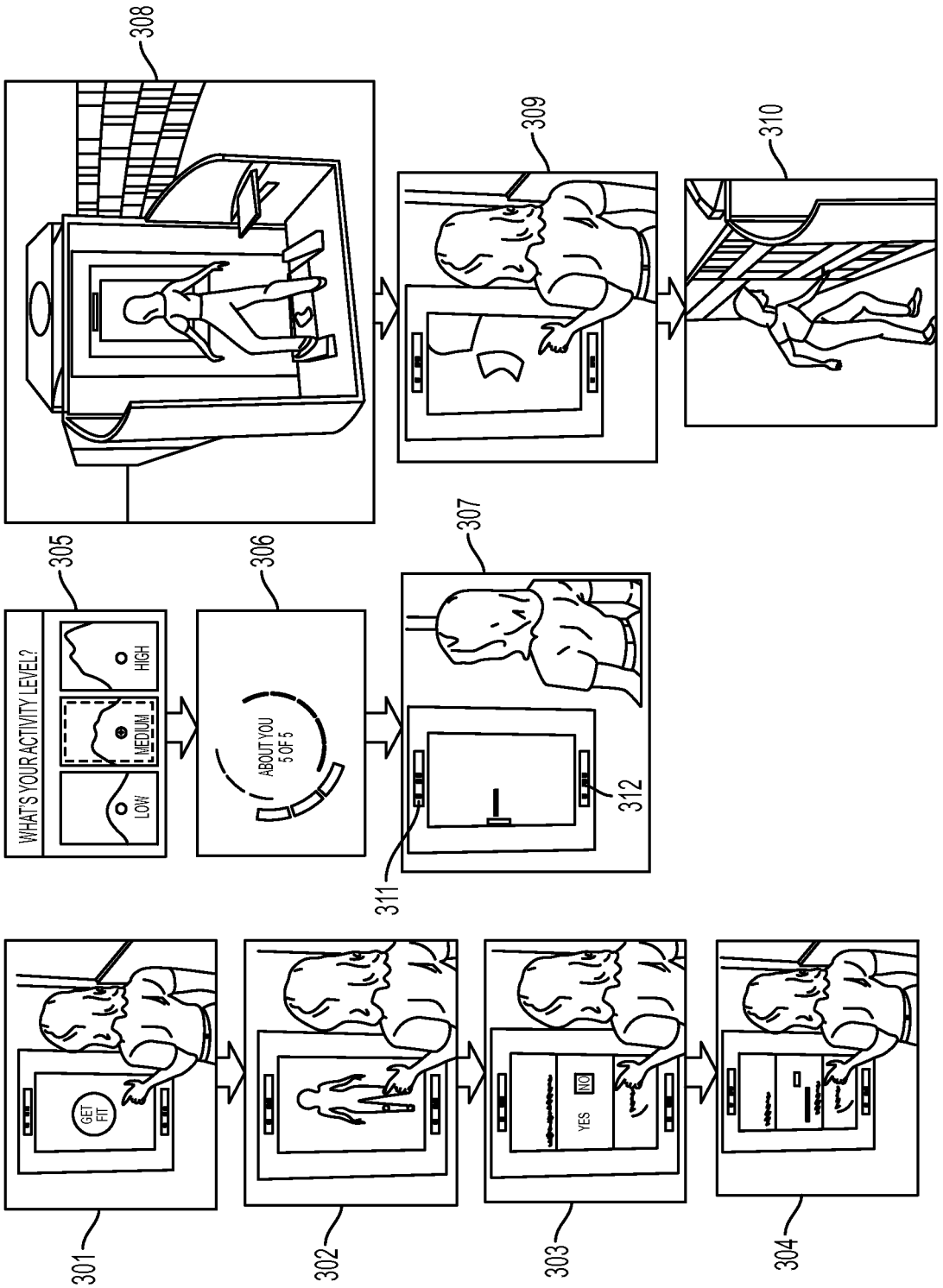
308
309
310
305
306
307
WHAT'S YOUR ACTIVITY LEVEL?
HIGH
MEDIUM
LOW
ABOUT YOU
5 OF 5
311
312
GET FIT
YES
NO
301
302
303
304

FIG. 3

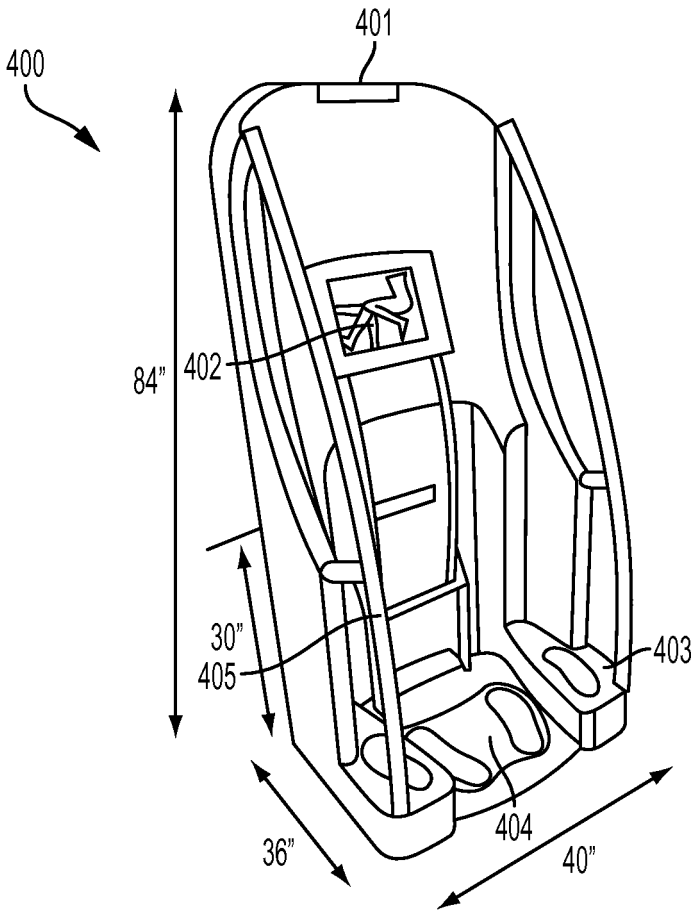

FIG. 4

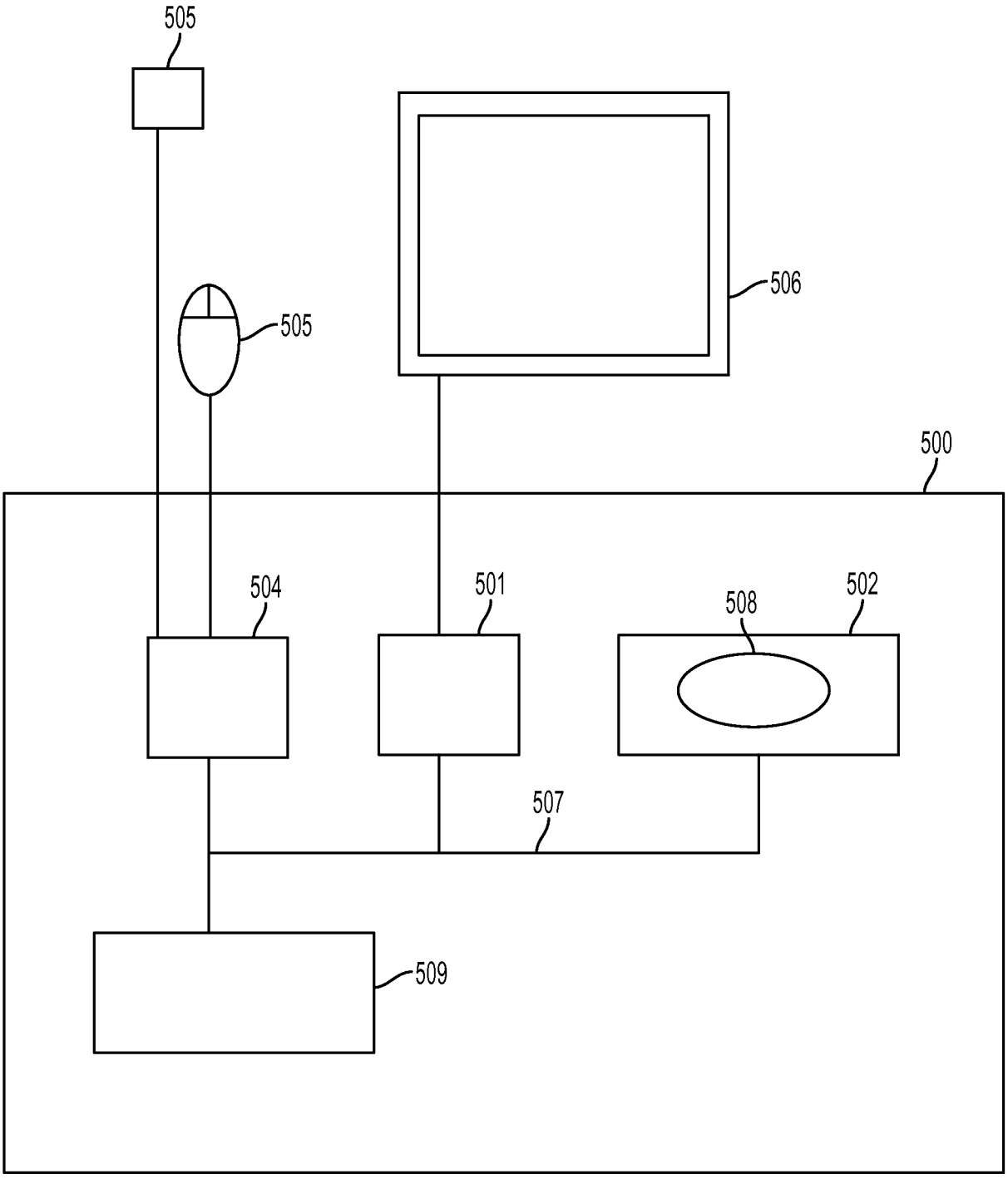

FIG. 5

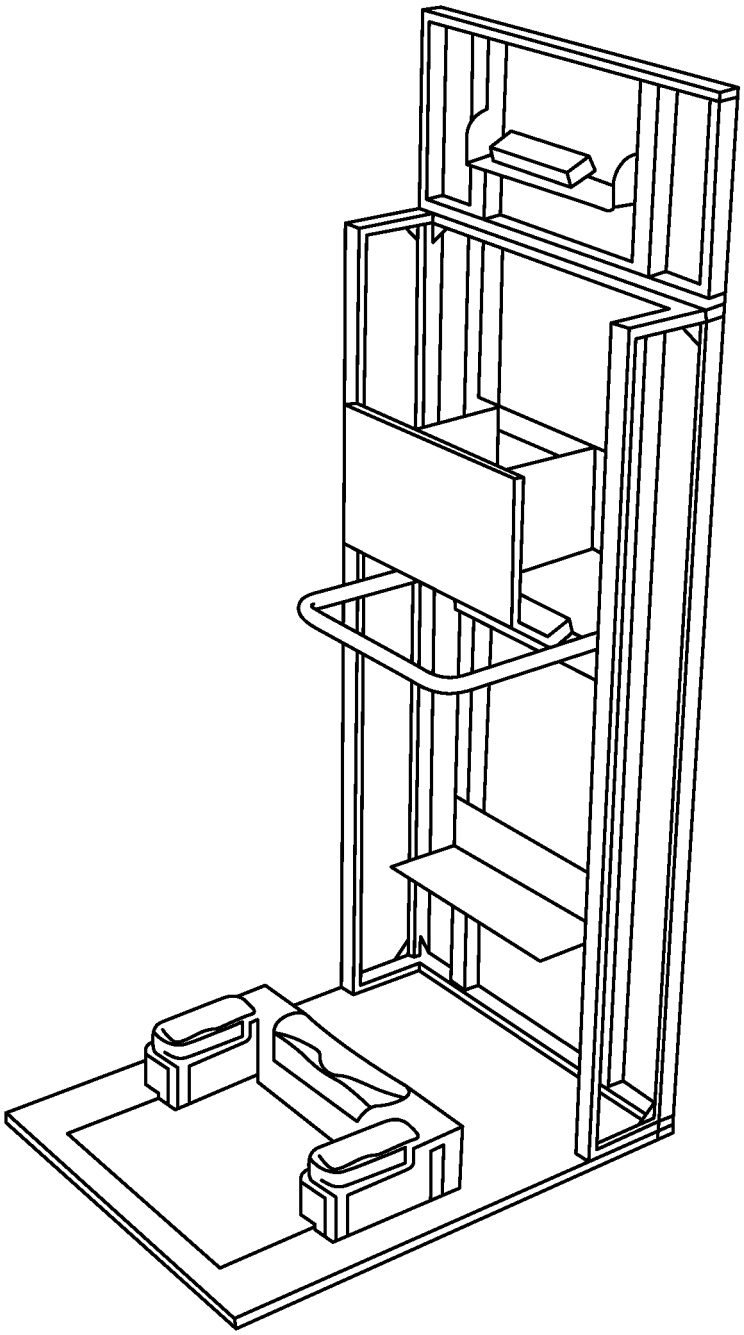

FIG. 6

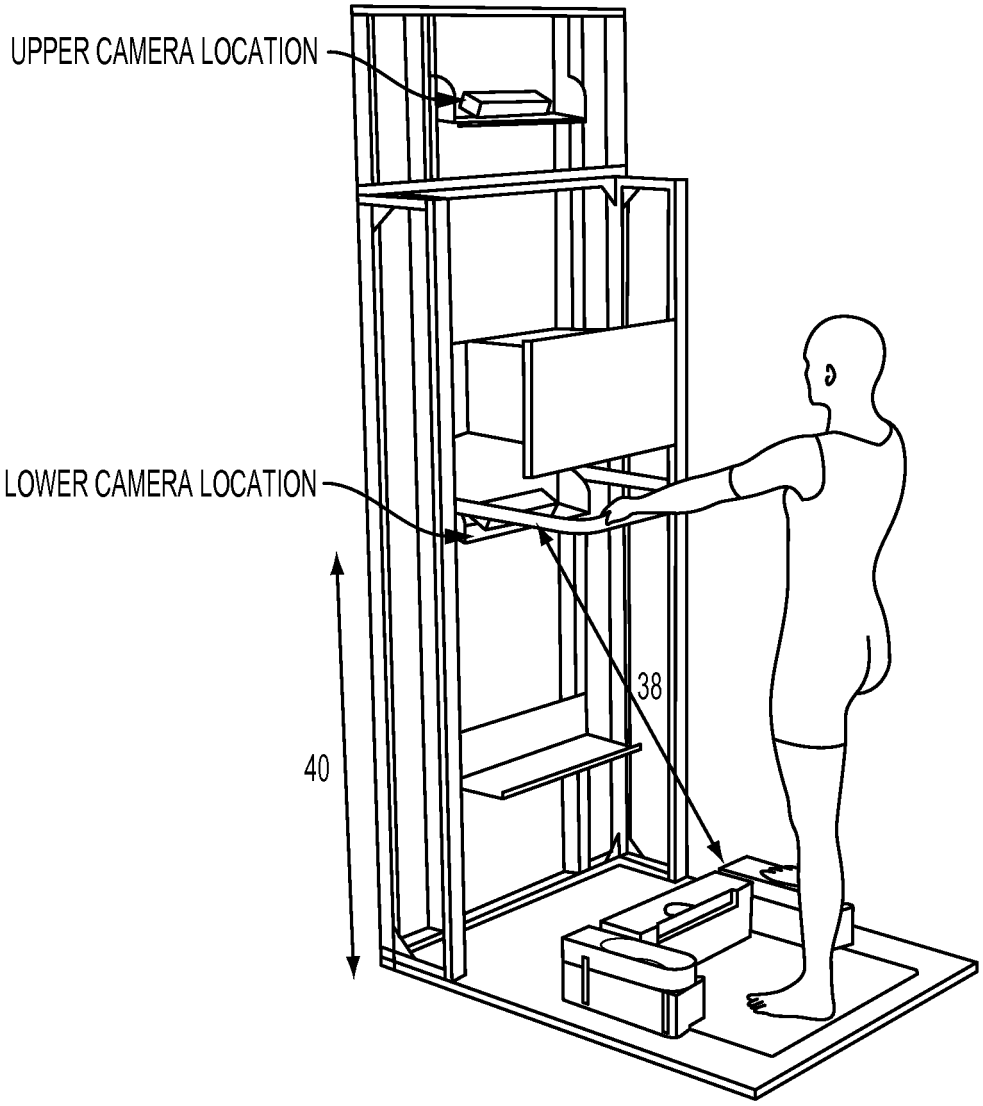

FIG. 7

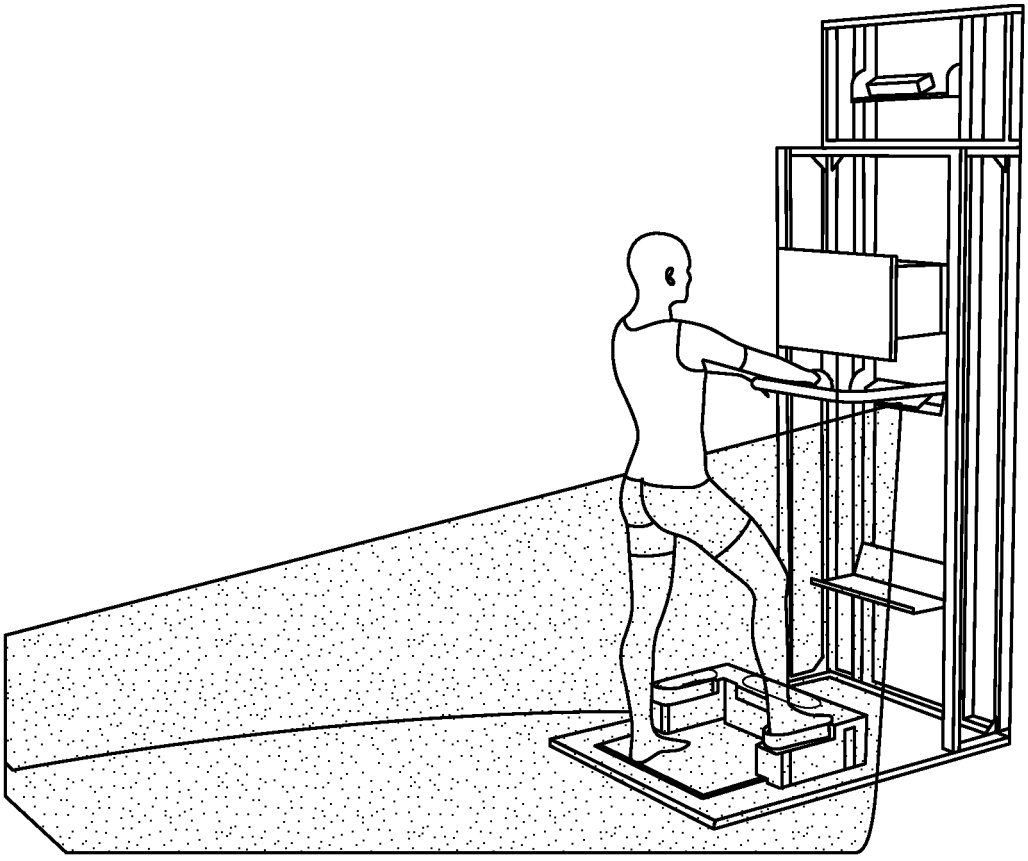

FIG. 8

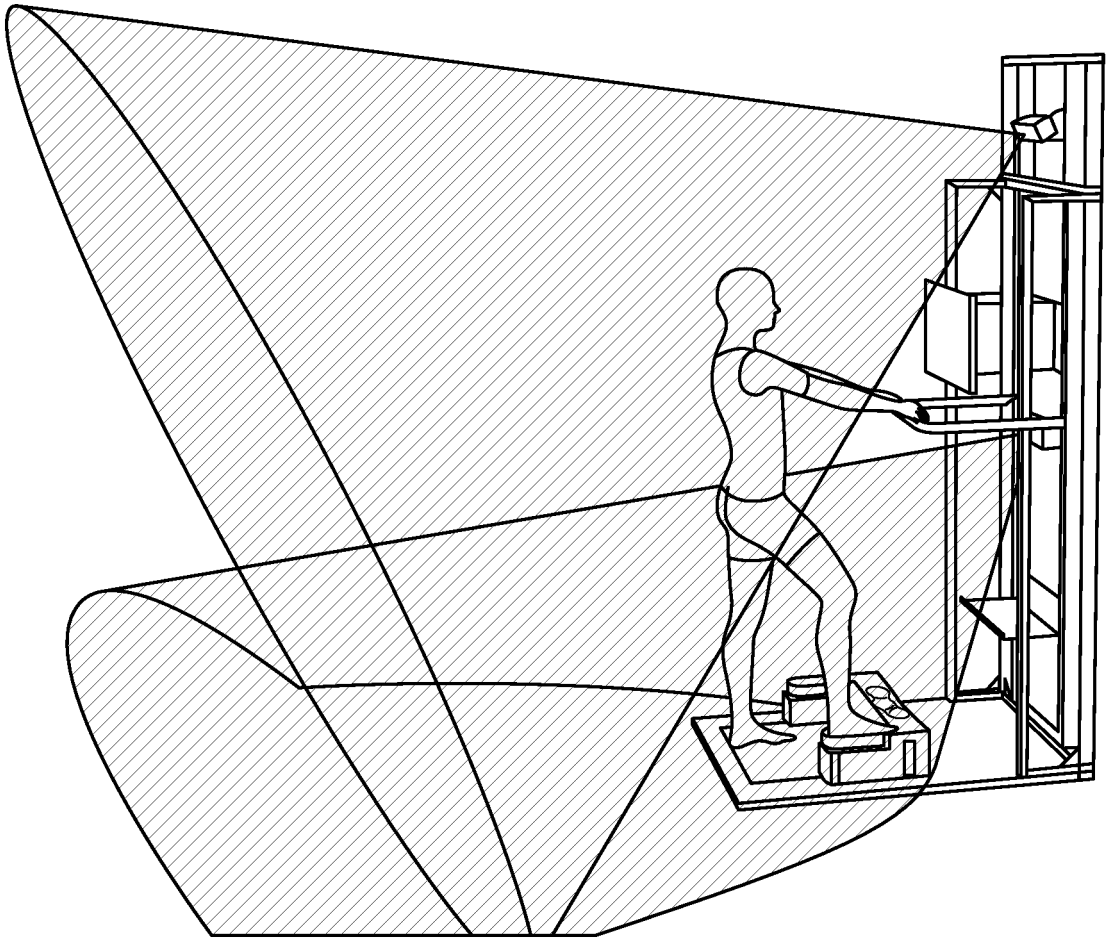

FIG. 9

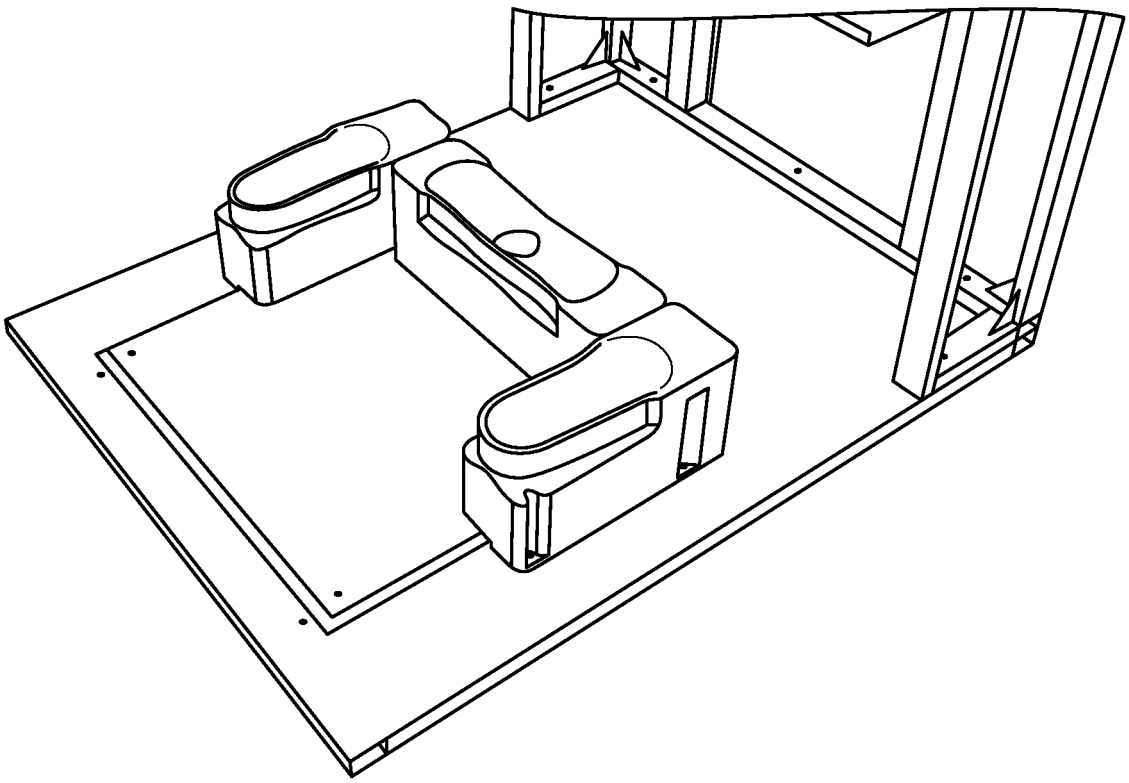

FIG. 10

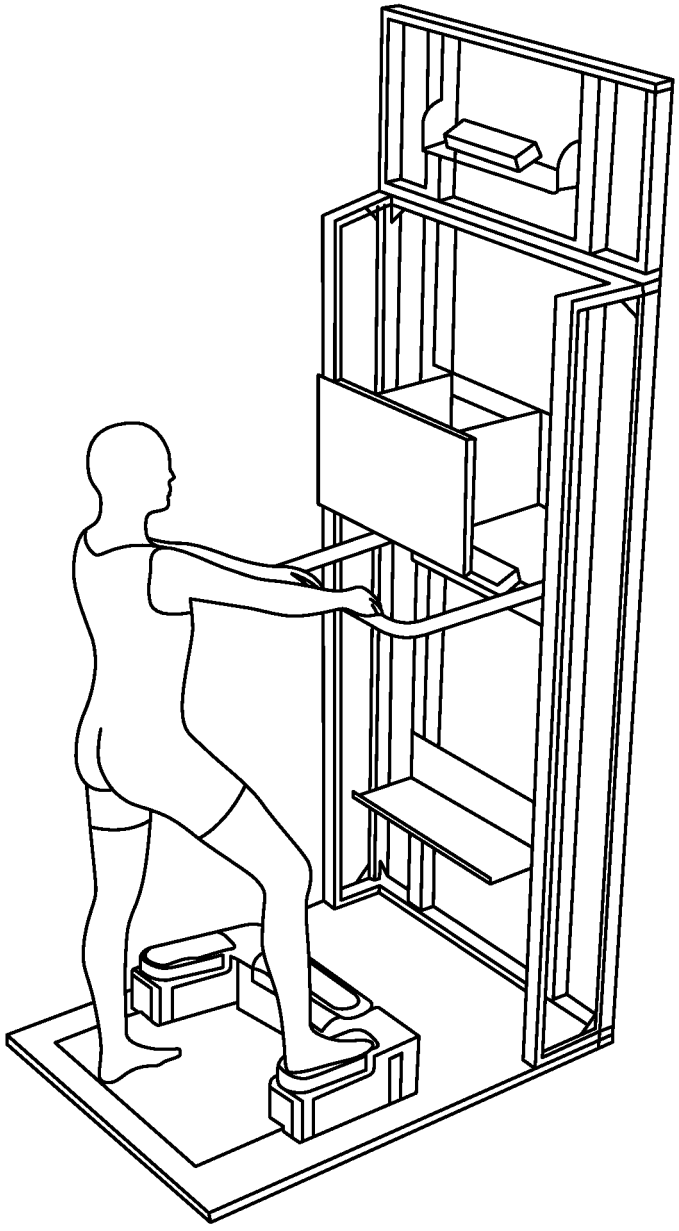

FIG. 11

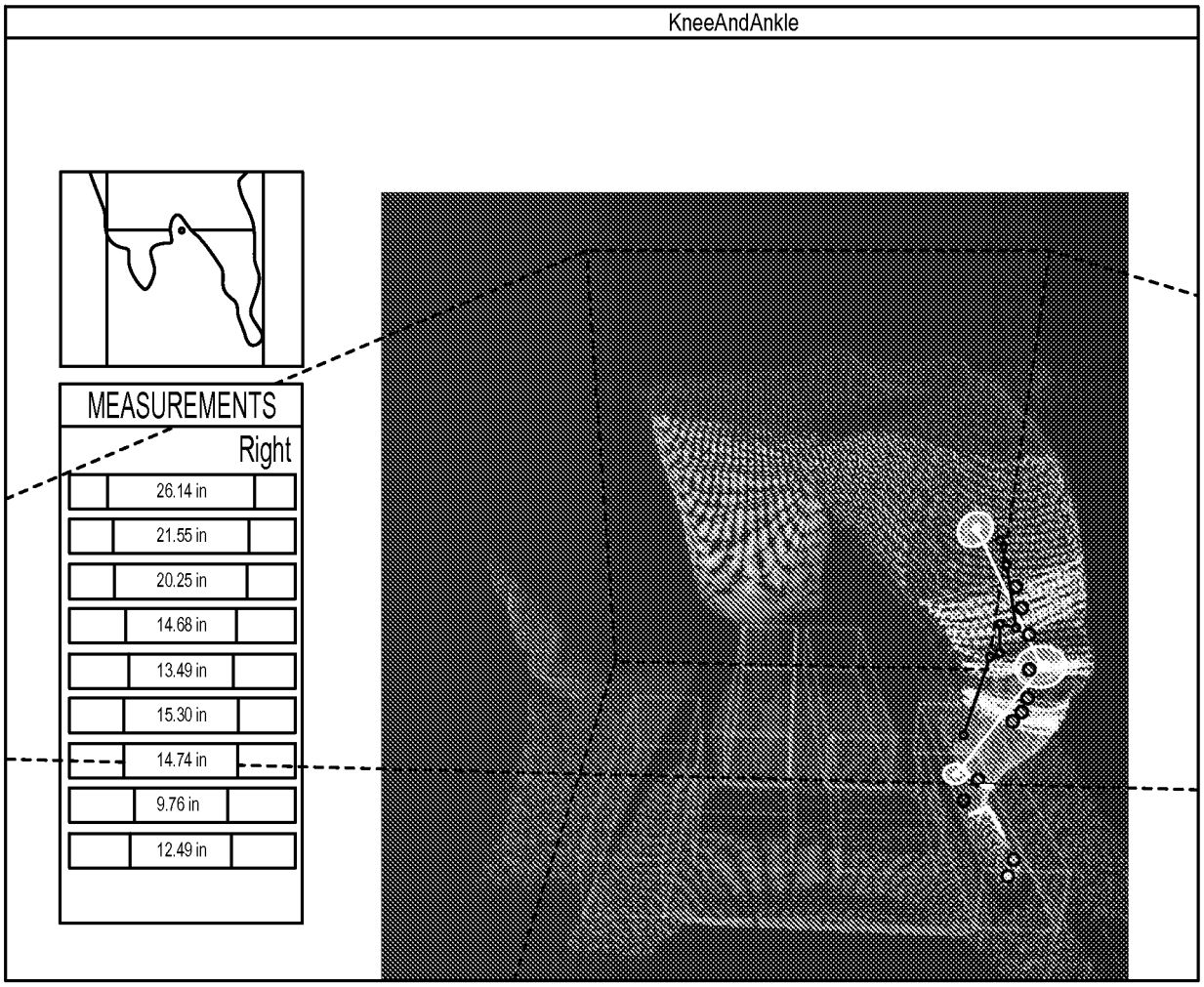
KneeAndAnkle
MEASUREMENTS
Right
26.14 in
21.55 in
20.25 in
14.68 in
13.49 in
15.30 in
14.74 in
9.76 in
12.49 in

FIG. 12

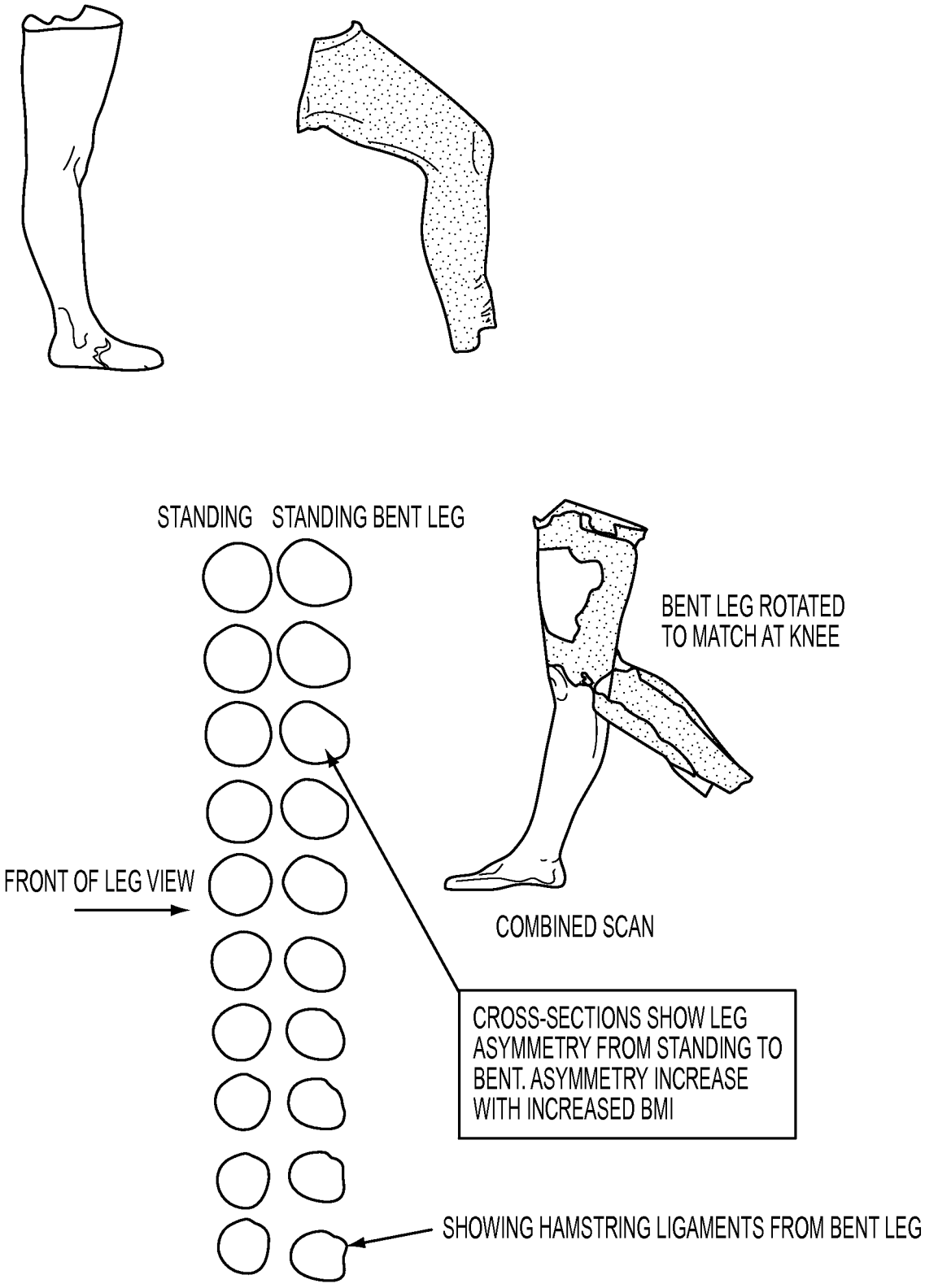
STANDING
STANDING BENT LEG
BENT LEG ROTATED TO MATCH AT KNEE
FRONT OF LEG VIEW
COMBINED SCAN
CROSS-SECTIONS SHOW LEG ASYMMETRY FROM STANDING TO BENT. ASYMMETRY INCREASE WITH INCREASED BMI
SHOWING HAMSTRING LIGAMENTS FROM BENT LEG

FIG. 13

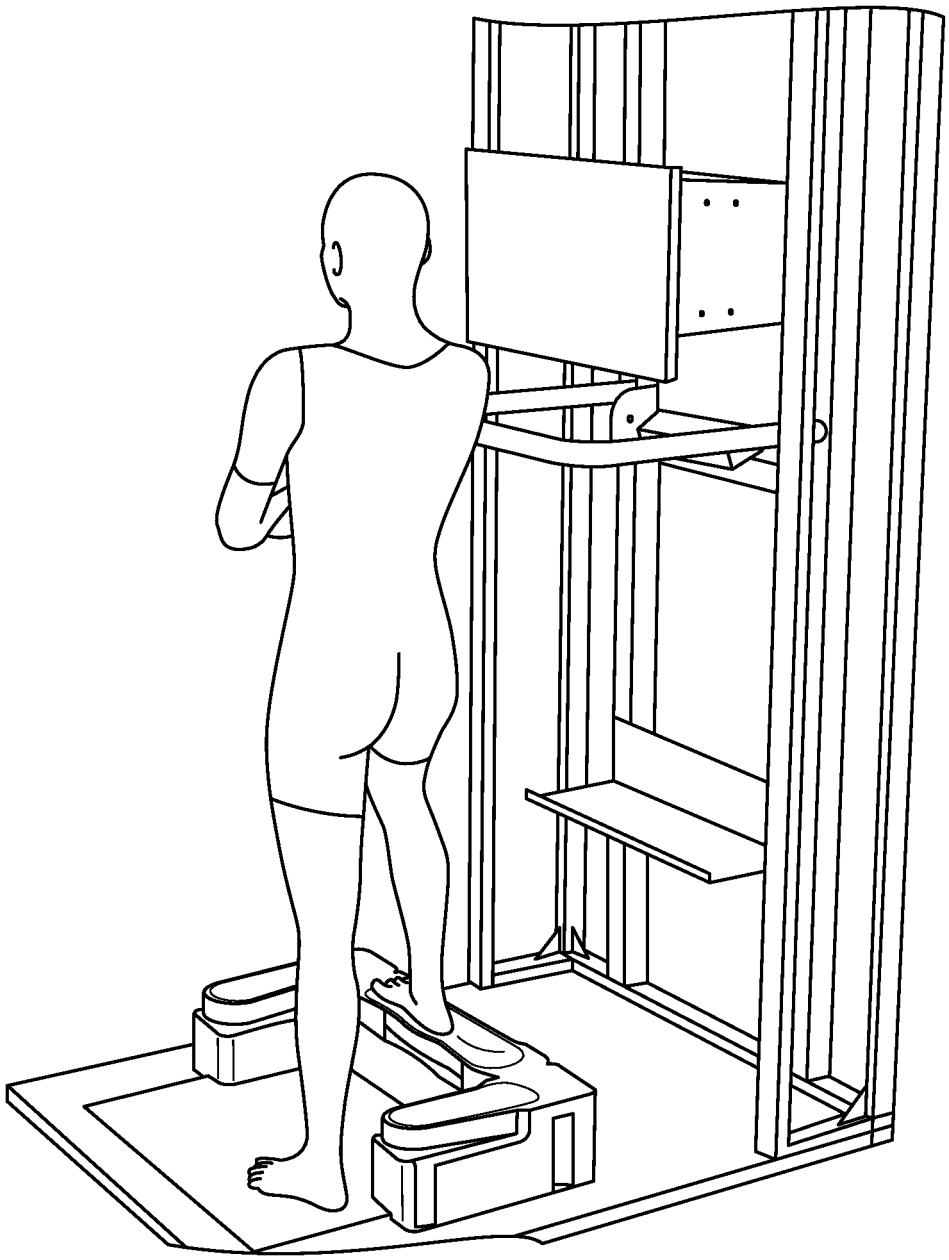

FIG. 14

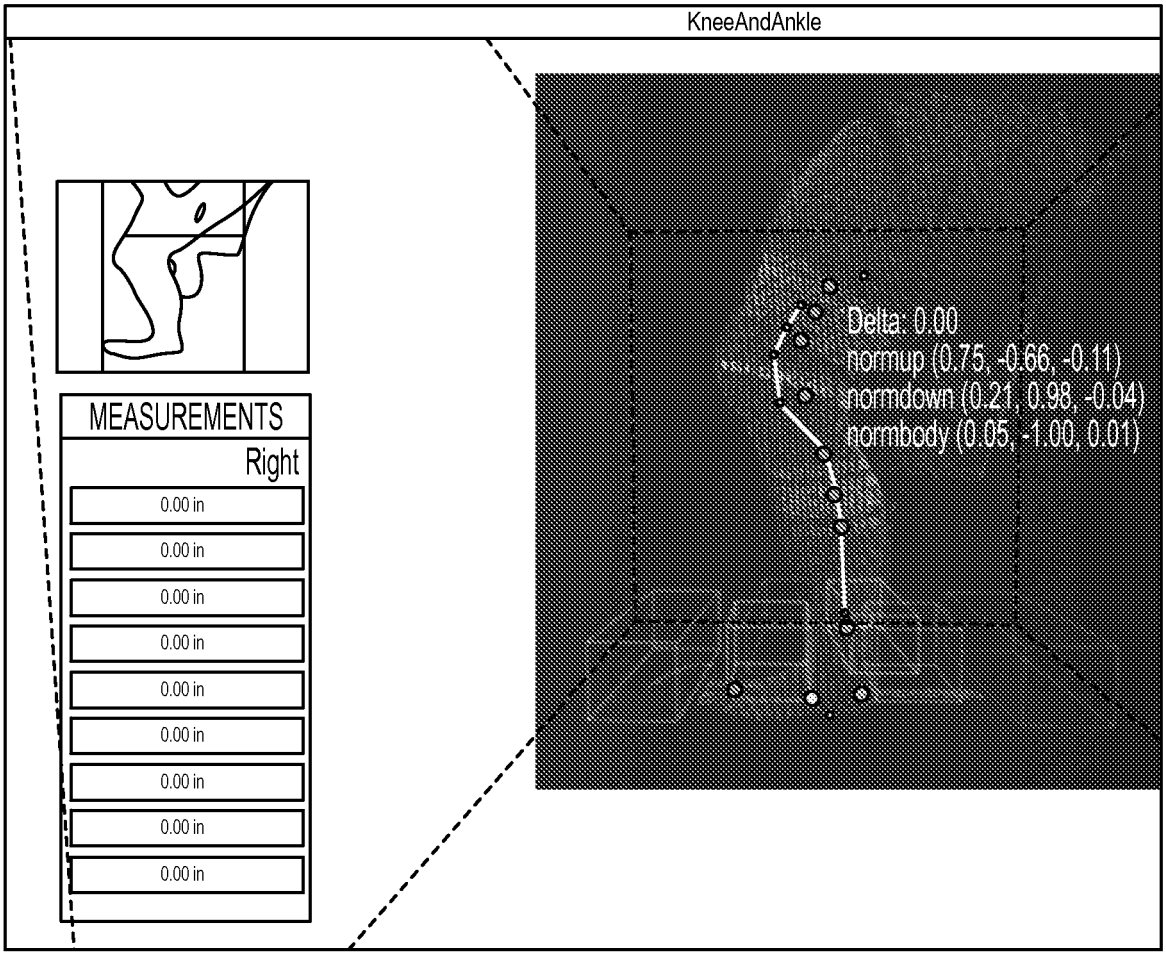
KneeAndAnkle
MEASUREMENTS
Right
0.00 in
0.00 in
0.00 in
0.00 in
0.00 in
0.00 in
0.00 in
0.00 in
0.00 in
Delta: 0.00
normup (0.75, -0.66, -0.11)
normdown (0.21, 0.98, -0.04)
normbody (0.05, -1.00, 0.01)

FIG. 15