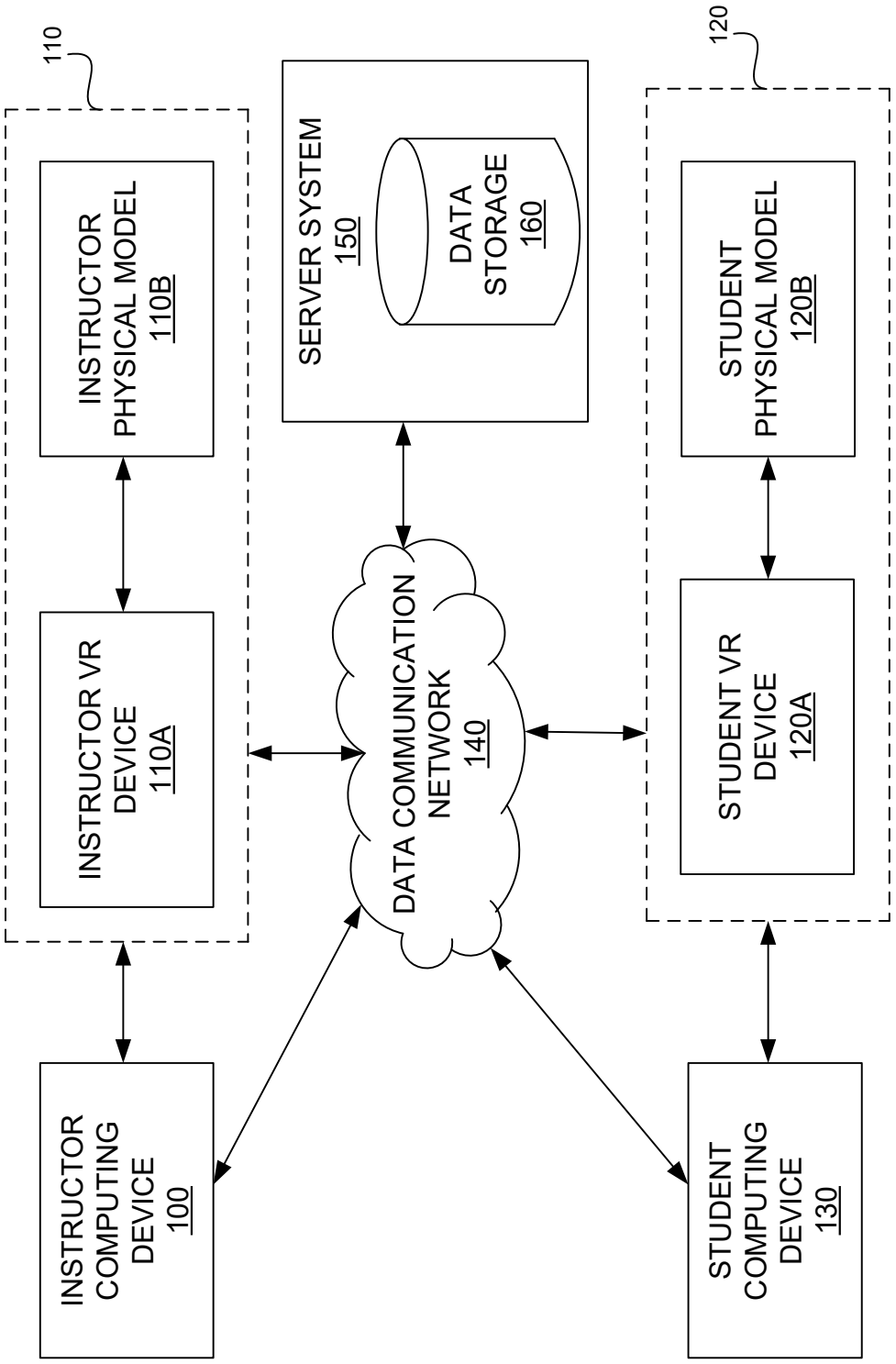

110
INSTRUCTOR PHYSICAL MODEL 110B
INSTRUCTOR VR DEVICE 110A
INSTRUCTOR COMPUTING DEVICE 100
SERVER SYSTEM 150
DATA STORAGE 160
DATA COMMUNICATION NETWORK 140
120
STUDENT PHYSICAL MODEL 120B
STUDENT VR DEVICE 120A
STUDENT COMPUTING DEVICE 130

FIG. 1

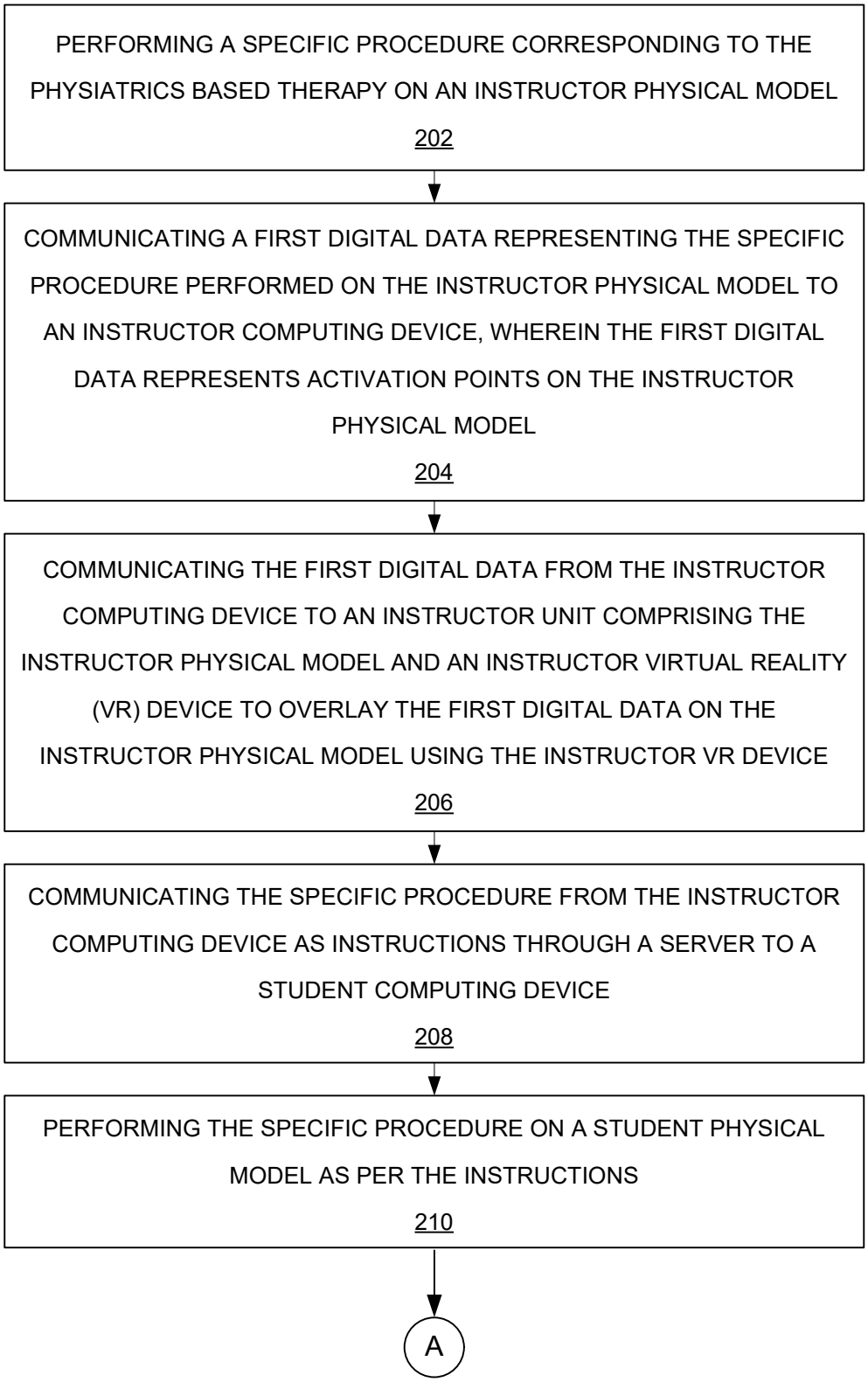

PERFORMING A SPECIFIC PROCEDURE CORRESPONDING TO THE PHYSIATRICS BASED THERAPY ON AN INSTRUCTOR PHYSICAL MODEL
202
COMMUNICATING A FIRST DIGITAL DATA REPRESENTING THE SPECIFIC PROCEDURE PERFORMED ON THE INSTRUCTOR PHYSICAL MODEL TO AN INSTRUCTOR COMPUTING DEVICE, WHEREIN THE FIRST DIGITAL DATA REPRESENTS ACTIVATION POINTS ON THE INSTRUCTOR PHYSICAL MODEL
204
COMMUNICATING THE FIRST DIGITAL DATA FROM THE INSTRUCTOR COMPUTING DEVICE TO AN INSTRUCTOR UNIT COMPRISING THE INSTRUCTOR PHYSICAL MODEL AND AN INSTRUCTOR VIRTUAL REALITY (VR) DEVICE TO OVERLAY THE FIRST DIGITAL DATA ON THE INSTRUCTOR PHYSICAL MODEL USING THE INSTRUCTOR VR DEVICE
206
COMMUNICATING THE SPECIFIC PROCEDURE FROM THE INSTRUCTOR COMPUTING DEVICE AS INSTRUCTIONS THROUGH A SERVER TO A STUDENT COMPUTING DEVICE
208
PERFORMING THE SPECIFIC PROCEDURE ON A STUDENT PHYSICAL MODEL AS PER THE INSTRUCTIONS
210
A

FIG. 2A

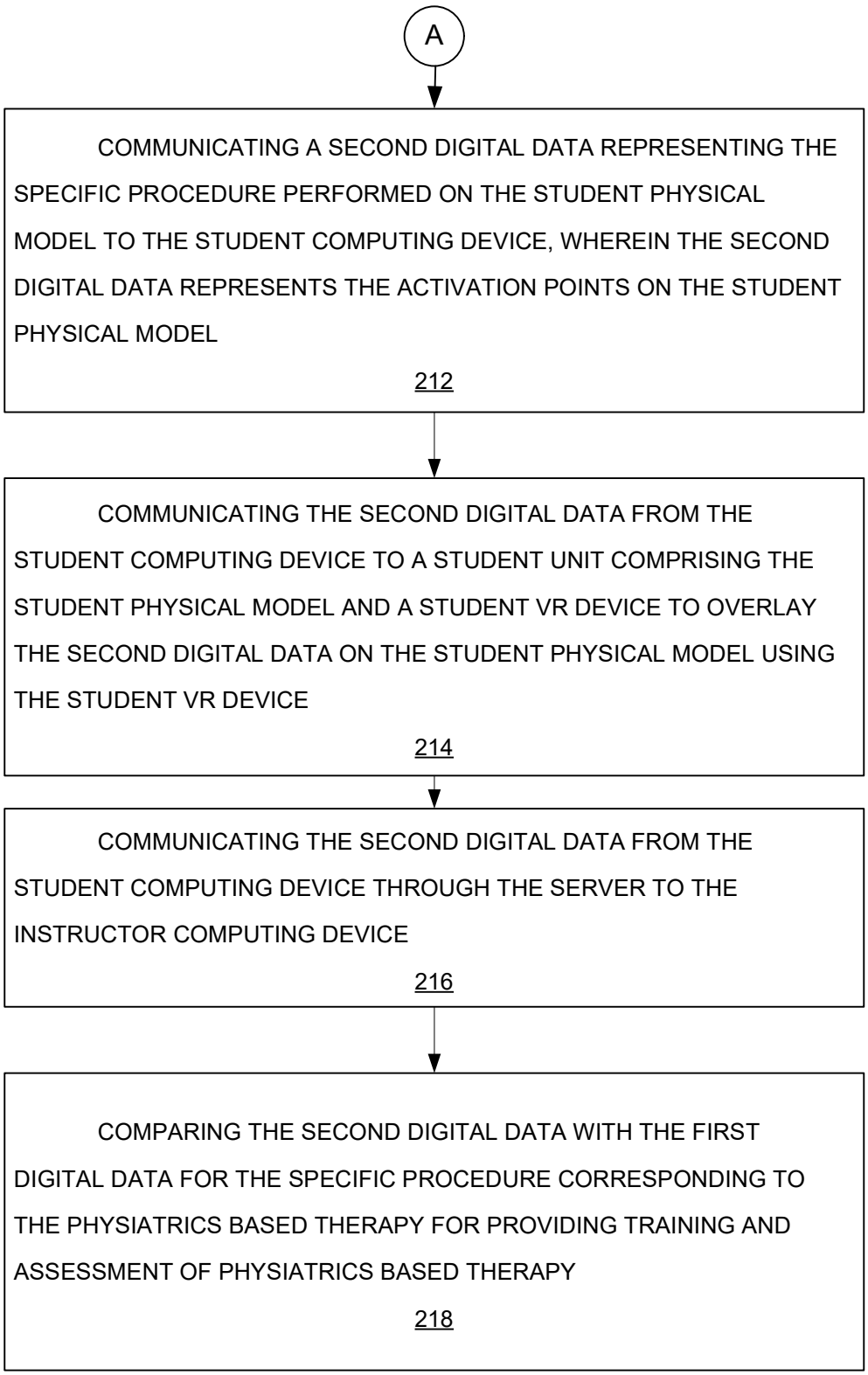

A
COMMUNICATING A SECOND DIGITAL DATA REPRESENTING THE SPECIFIC PROCEDURE PERFORMED ON THE STUDENT PHYSICAL MODEL TO THE STUDENT COMPUTING DEVICE, WHEREIN THE SECOND DIGITAL DATA REPRESENTS THE ACTIVATION POINTS ON THE STUDENT PHYSICAL MODEL
212
COMMUNICATING THE SECOND DIGITAL DATA FROM THE STUDENT COMPUTING DEVICE TO A STUDENT UNIT COMPRISING THE STUDENT PHYSICAL MODEL AND A STUDENT VR DEVICE TO OVERLAY THE SECOND DIGITAL DATA ON THE STUDENT PHYSICAL MODEL USING THE STUDENT VR DEVICE
214
COMMUNICATING THE SECOND DIGITAL DATA FROM THE STUDENT COMPUTING DEVICE THROUGH THE SERVER TO THE INSTRUCTOR COMPUTING DEVICE
216
COMPARING THE SECOND DIGITAL DATA WITH THE FIRST DIGITAL DATA FOR THE SPECIFIC PROCEDURE CORRESPONDING TO THE PHYSIATRICS BASED THERAPY FOR PROVIDING TRAINING AND ASSESSMENT OF PHYSIATRICS BASED THERAPY
218

FIG. 2B

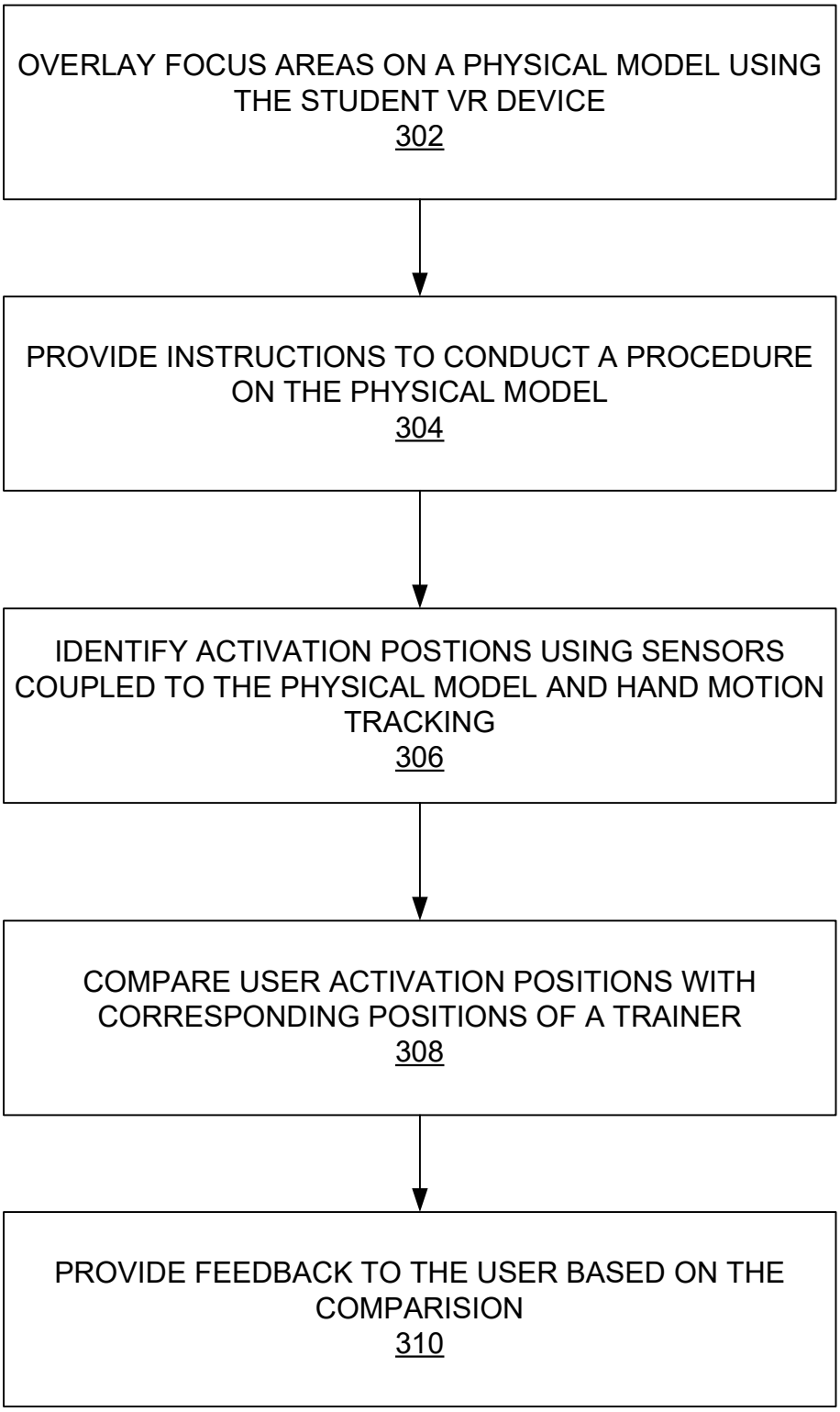

OVERLAY FOCUS AREAS ON A PHYSICAL MODEL USING THE STUDENT VR DEVICE
302
PROVIDE INSTRUCTIONS TO CONDUCT A PROCEDURE ON THE PHYSICAL MODEL
304
IDENTIFY ACTIVATION POSTIONS USING SENSORS COUPLED TO THE PHYSICAL MODEL AND HAND MOTION TRACKING
306
COMPARE USER ACTIVATION POSITIONS WITH CORRESPONDING POSITIONS OF A TRAINER
308
PROVIDE FEEDBACK TO THE USER BASED ON THE COMPARISION
310

FIG. 3

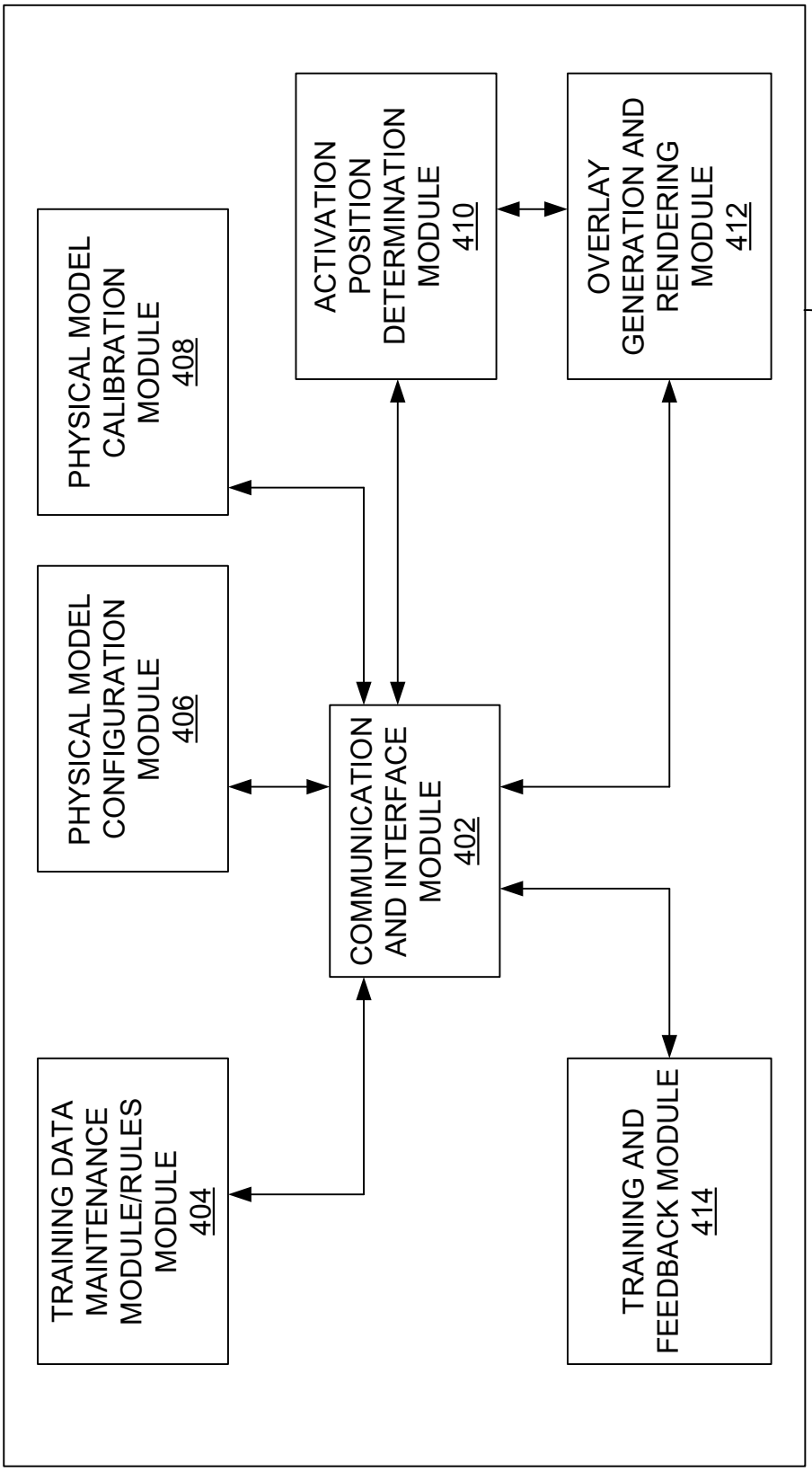

PHYSICAL MODEL CALIBRATION MODULE 408
ACTIVATION POSITION DETERMINATION MODULE 410
OVERLAY GENERATION AND RENDERING MODULE 412
PHYSICAL MODEL CONFIGURATION MODULE 406
COMMUNICATION AND INTERFACE MODULE 402
TRAINING DATA MAINTENANCE MODULE/RULES MODULE 404
TRAINING AND FEEDBACK MODULE 414
100/130

FIG. 4A

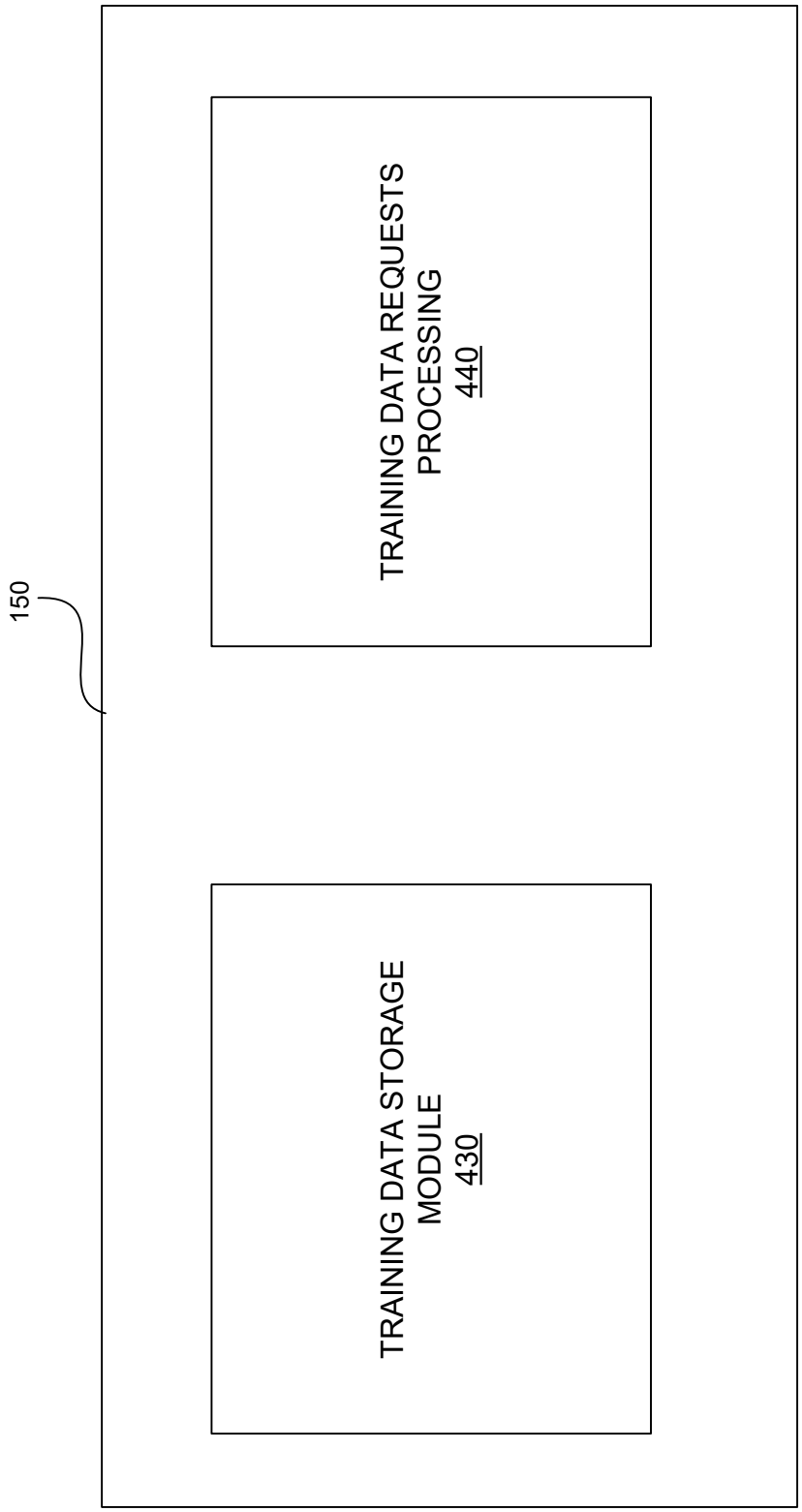

150
TRAINING DATA REQUESTS PROCESSING
440
TRAINING DATA STORAGE MODULE
430

FIG. 4B

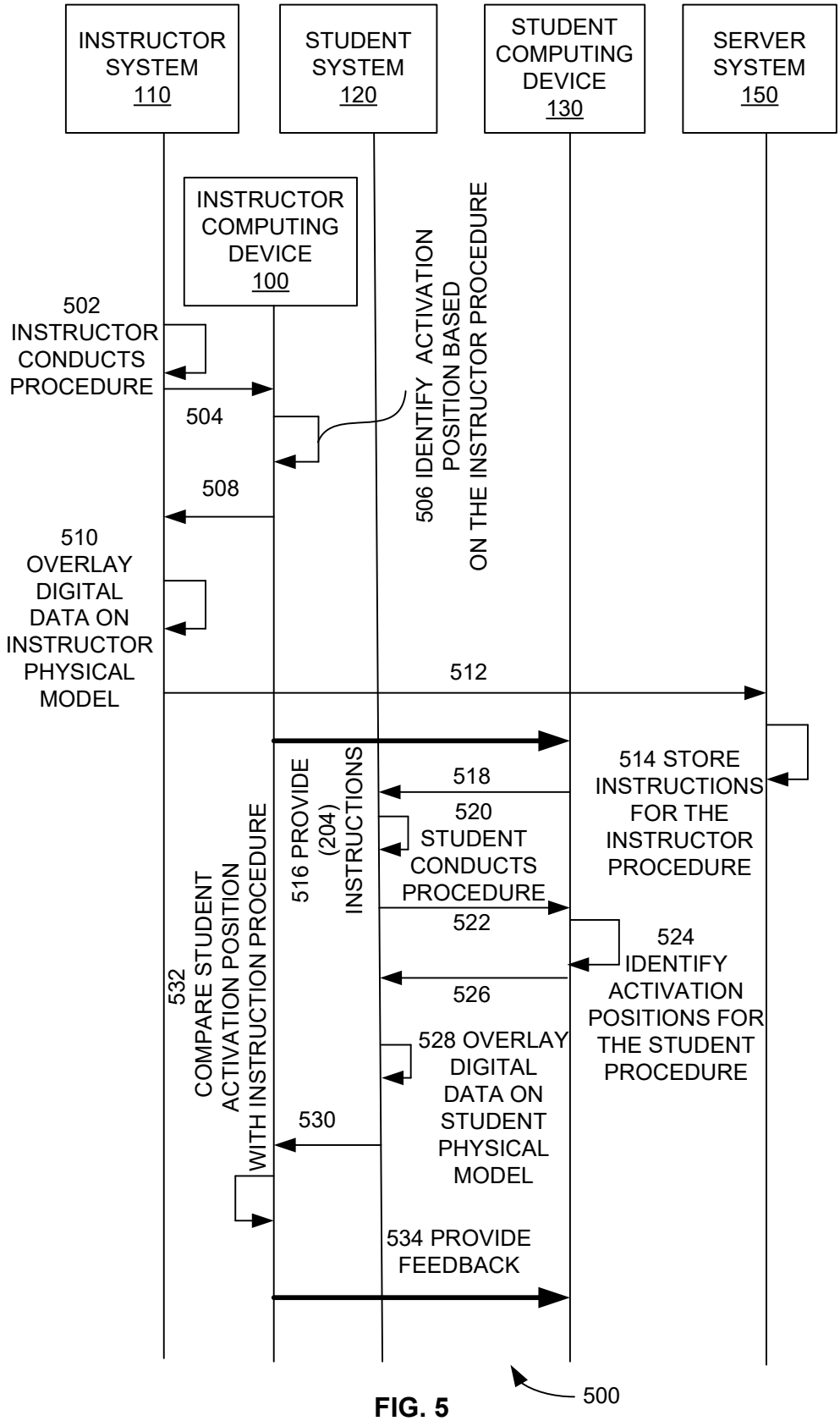

INSTRUCTOR SYSTEM 110
STUDENT SYSTEM 120
STUDENT COMPUTING DEVICE 130
SERVER SYSTEM 150
INSTRUCTOR COMPUTING DEVICE 100
502 INSTRUCTOR CONDUCTS PROCEDURE
504
506 IDENTIFY ACTIVATION POSITION BASED ON THE INSTRUCTOR PROCEDURE
508
510 OVERLAY DIGITAL DATA ON INSTRUCTOR PHYSICAL MODEL
512
514 STORE INSTRUCTIONS FOR THE INSTRUCTOR PROCEDURE
516 PROVIDE (204) INSTRUCTIONS
518
520 STUDENT CONDUCTS PROCEDURE
522
524 IDENTIFY ACTIVATION POSITIONS FOR THE STUDENT PROCEDURE
526
528 OVERLAY DIGITAL DATA ON STUDENT PHYSICAL MODEL
530
532 COMPARE STUDENT ACTIVATION POSITION WITH INSTRUCTION PROCEDURE
534 PROVIDE FEEDBACK
500

FIG. 5



FIG. 6A

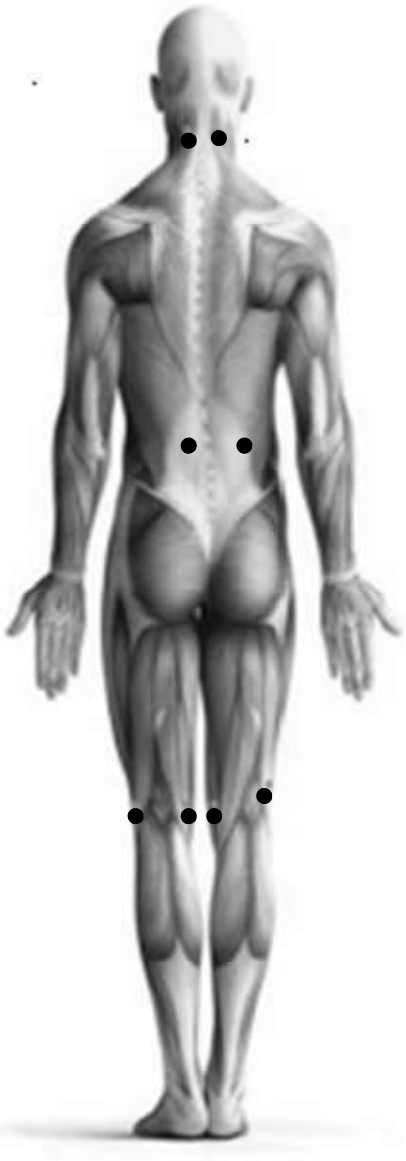


FIG. 6B

610



FIG. 6C

620

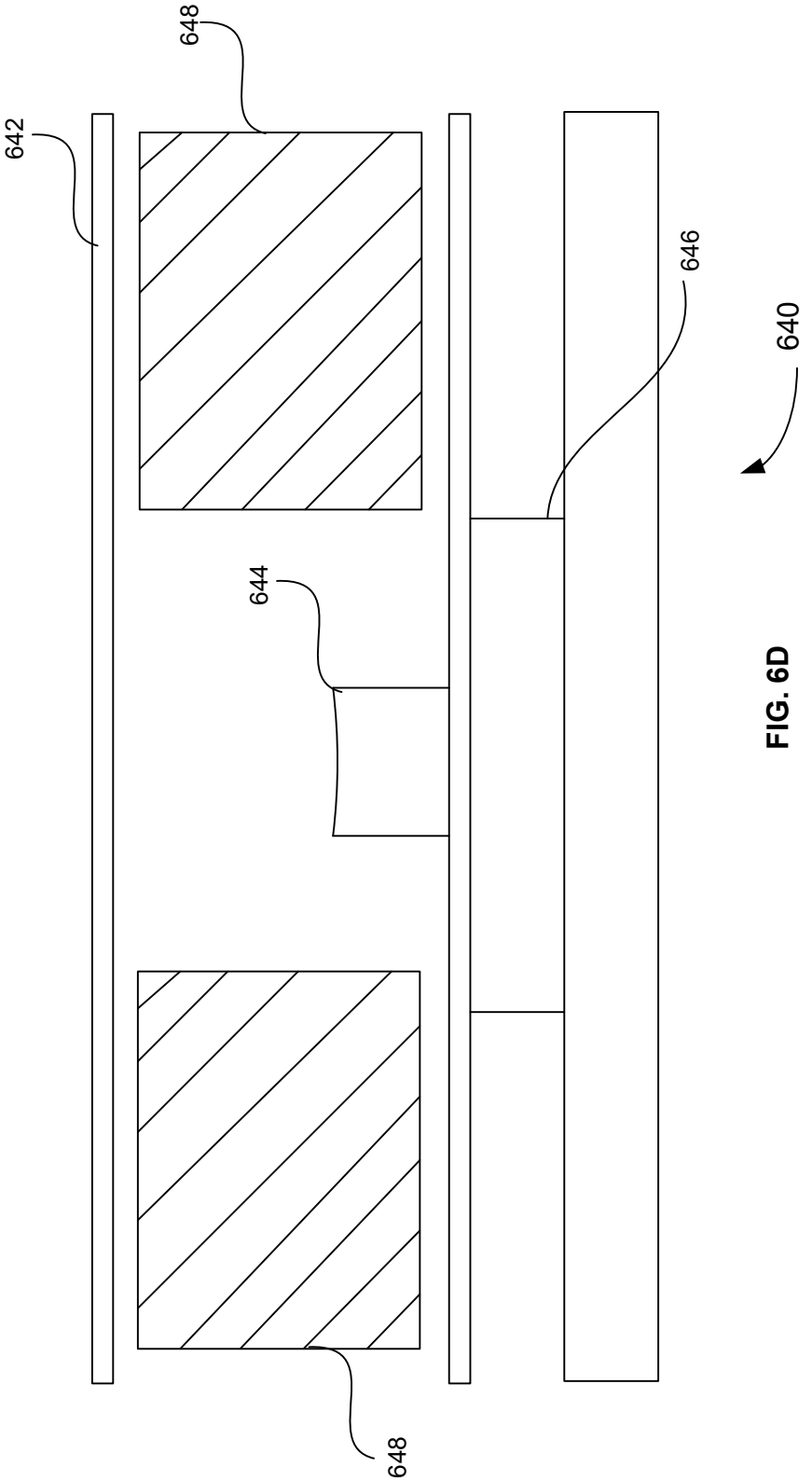


FIG. 6D

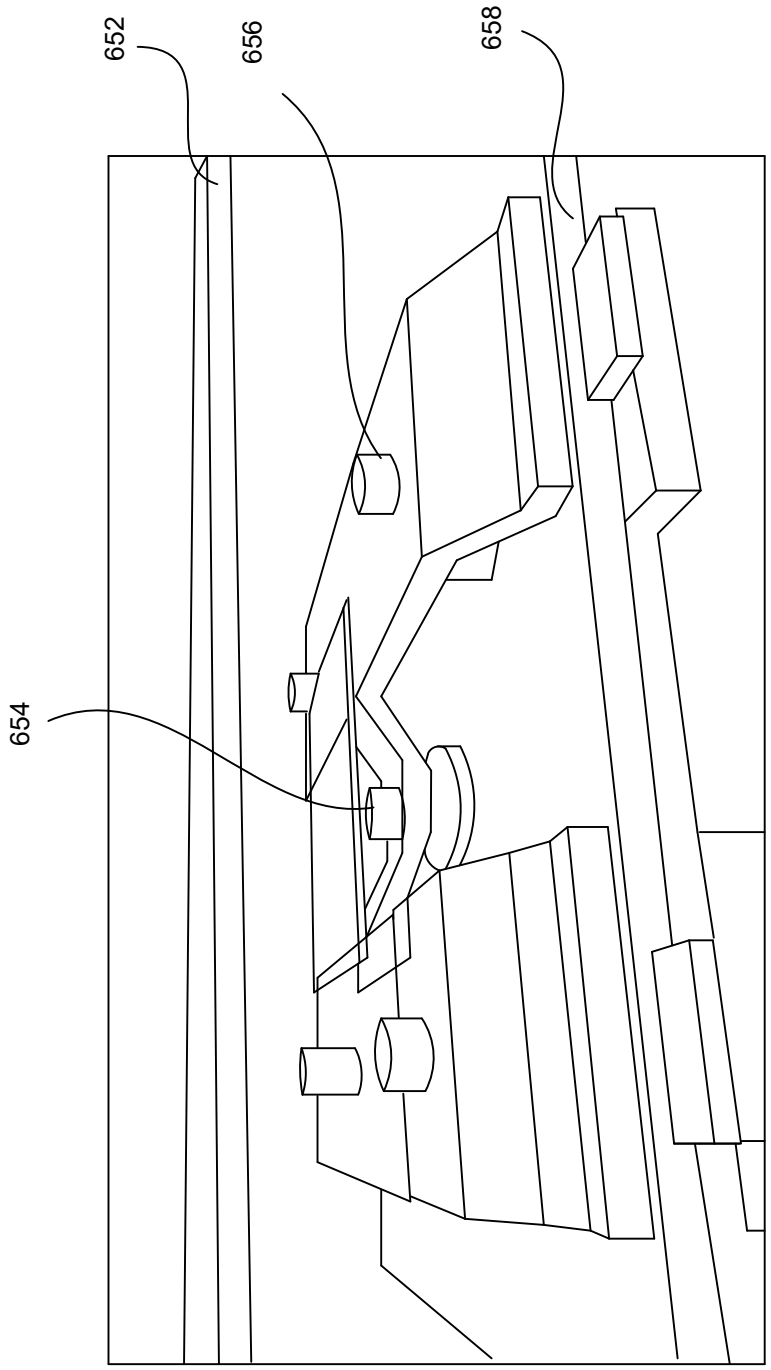


FIG. 6E

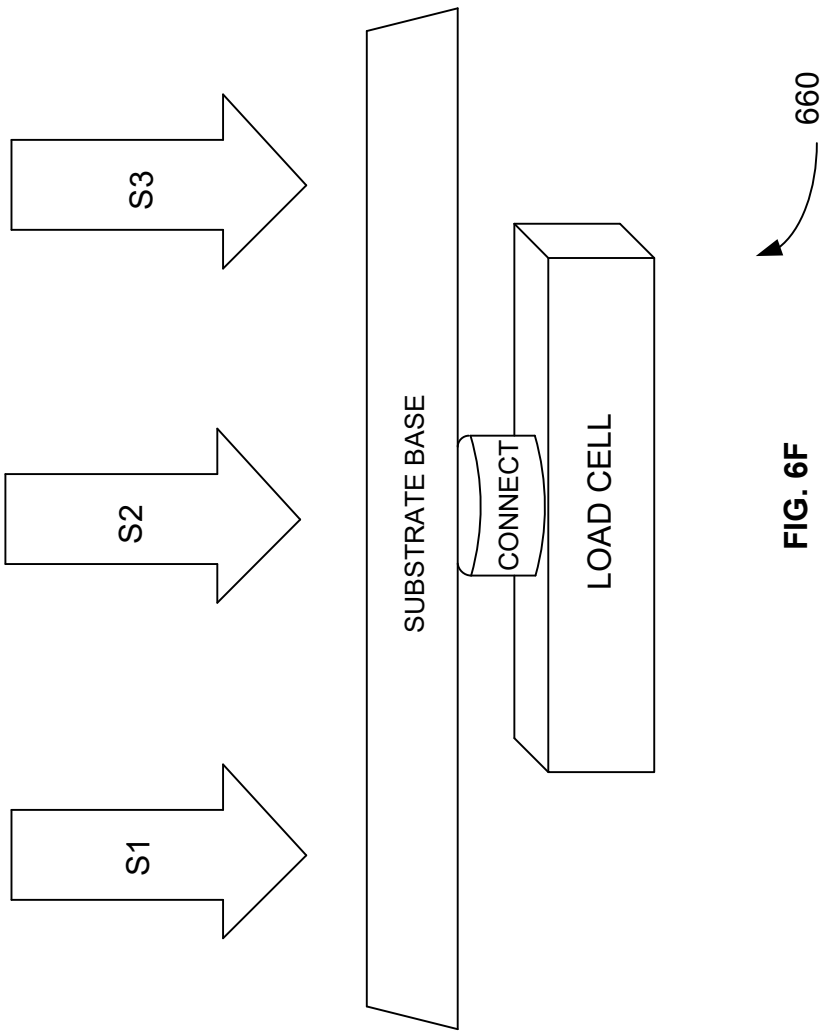


FIG. 6F

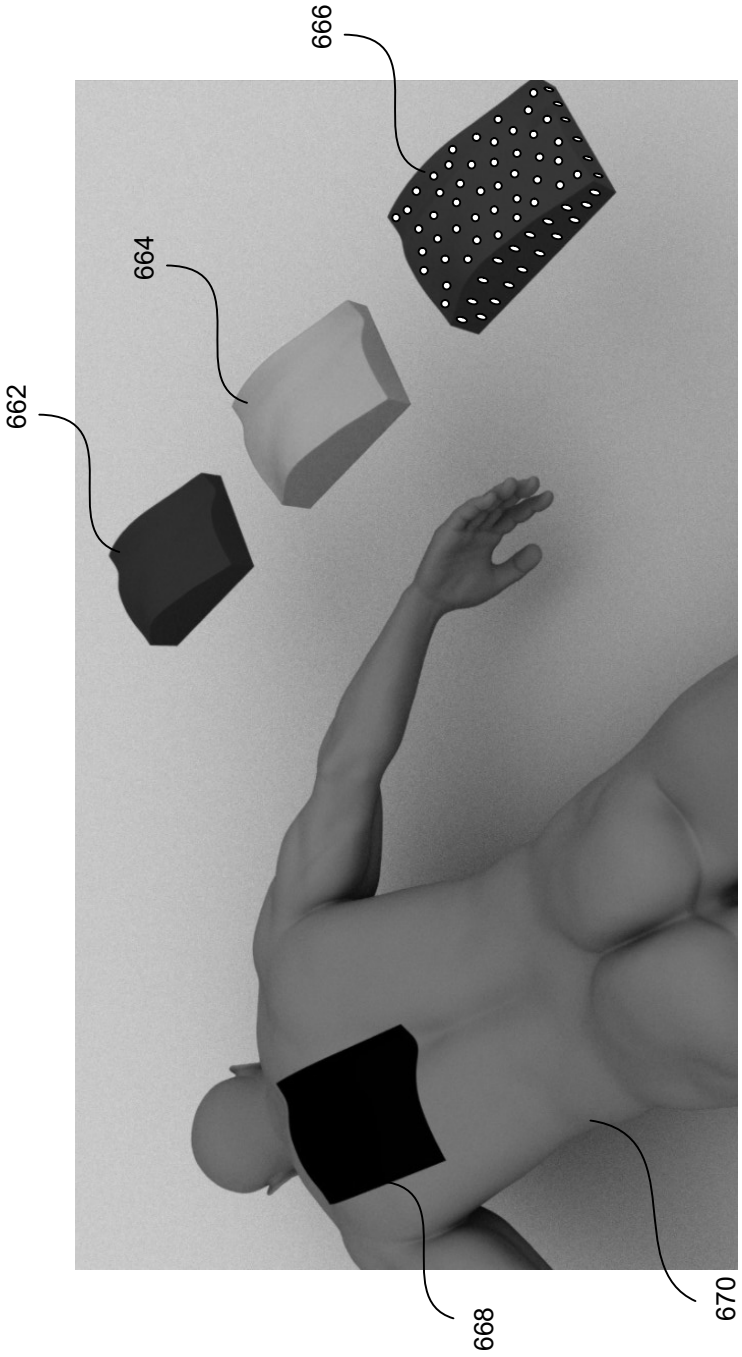


FIG. 6G

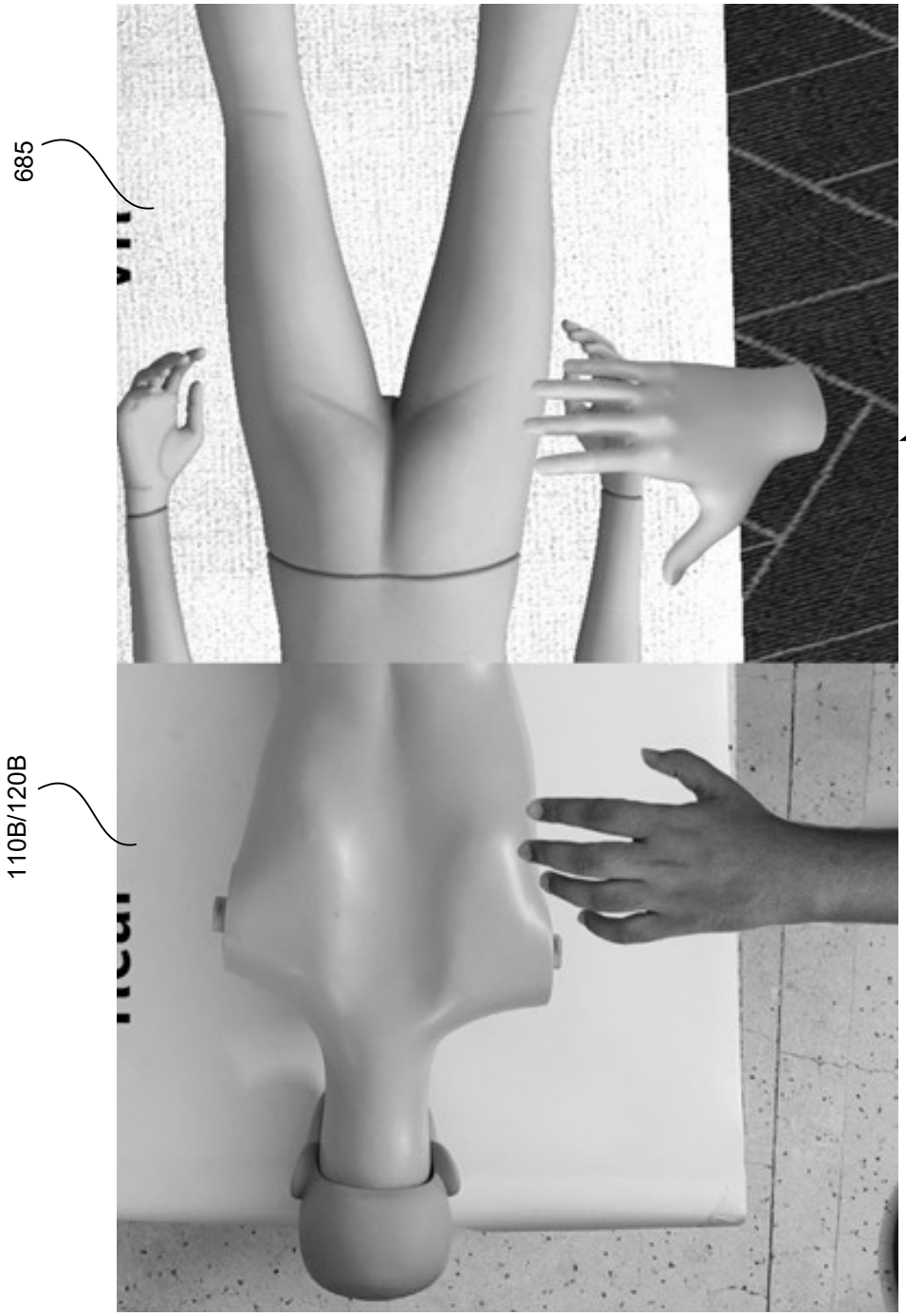


FIG. 6H

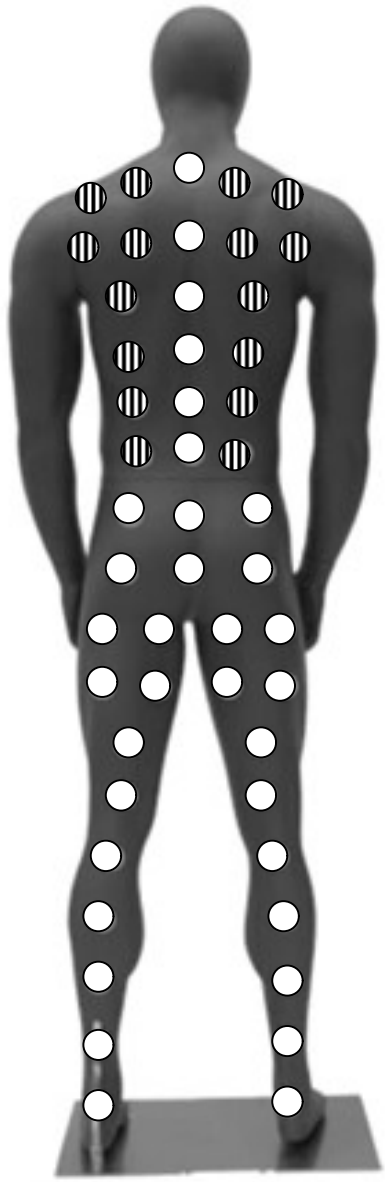


FIG. 7A

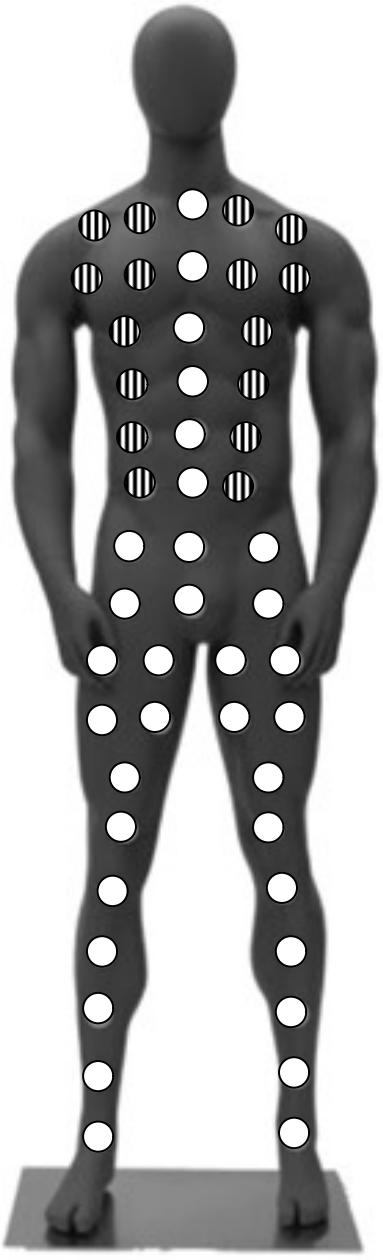


FIG. 7B



FIG. 8



FIG. 9

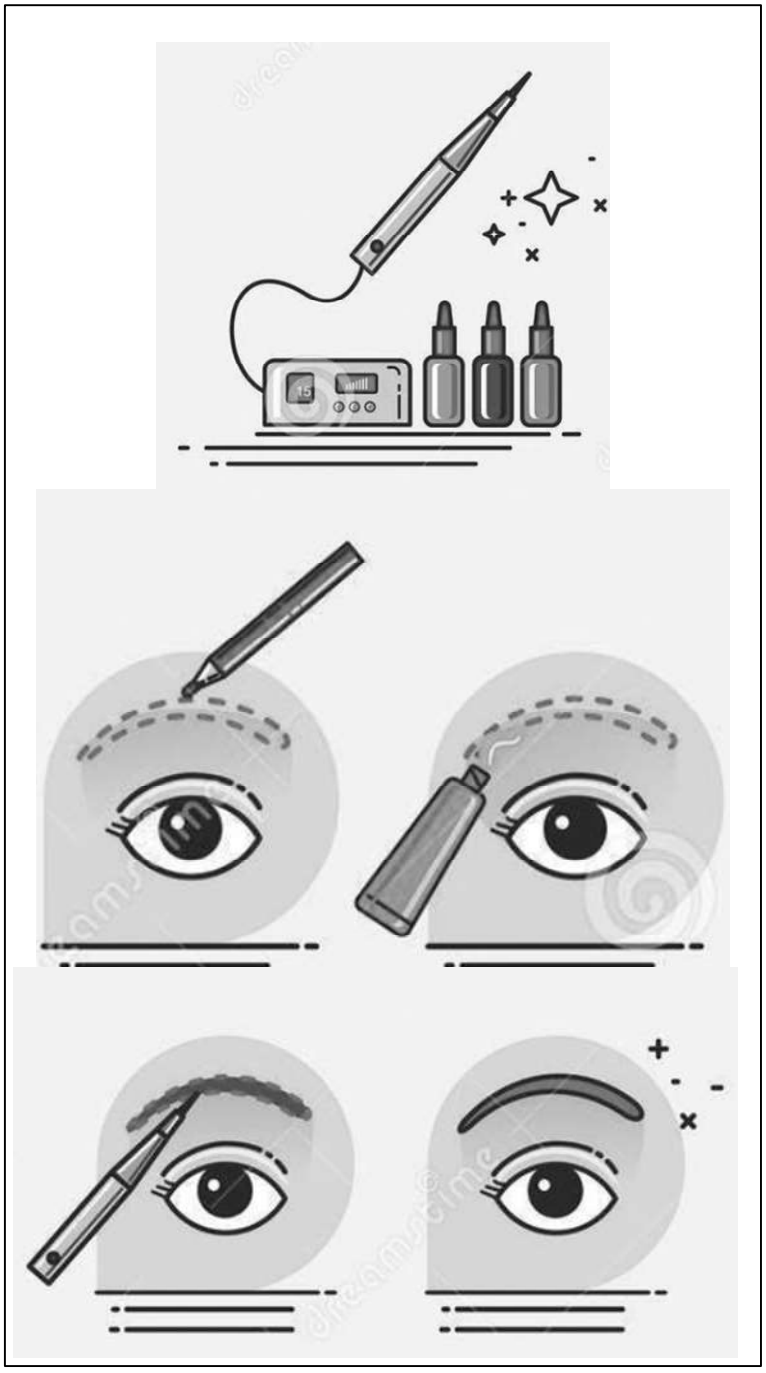


FIG. 10

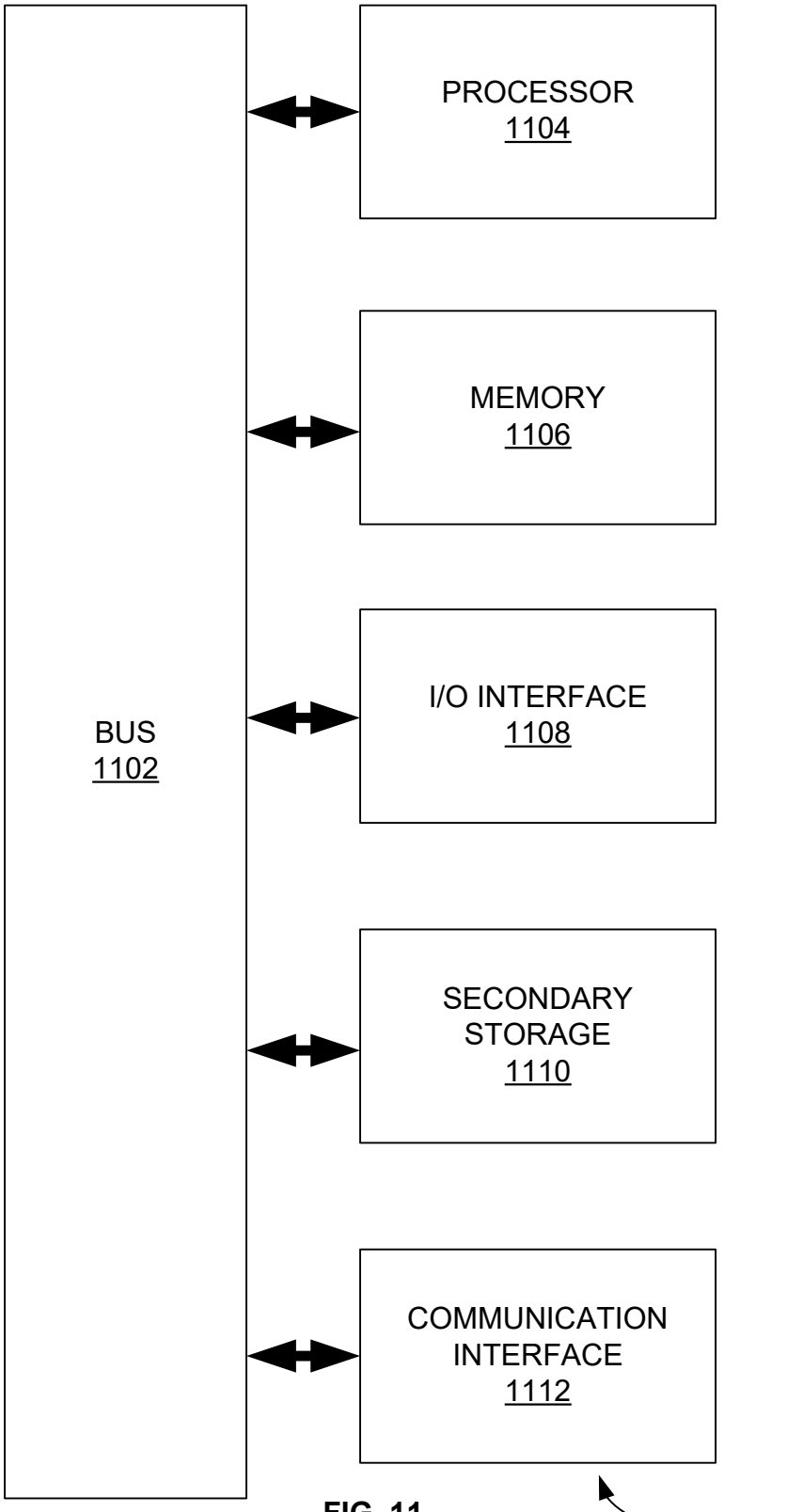

BUS
1102
PROCESSOR
1104
MEMORY
1106
I/O INTERFACE
1108
SECONDARY
STORAGE
1110
COMMUNICATION
INTERFACE
1112
1100

FIG. 11