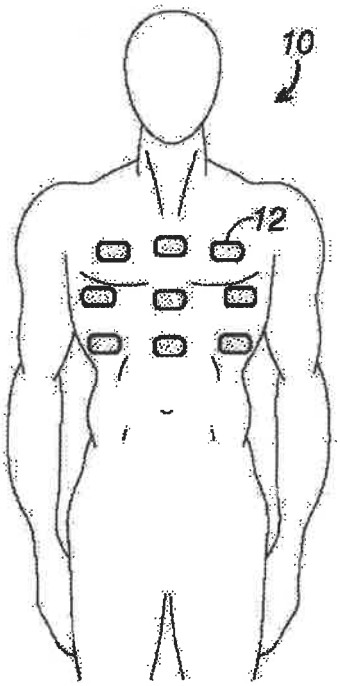

FIG. 1A

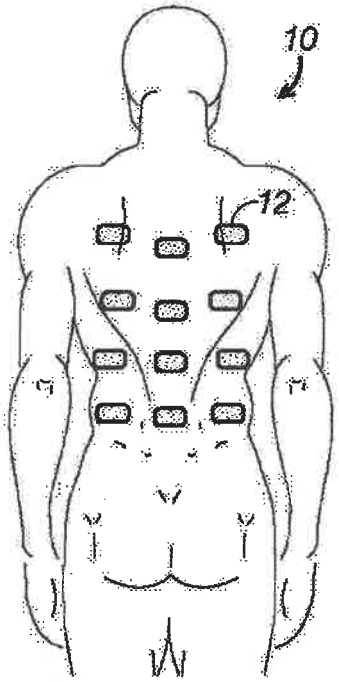

FIG. 1B

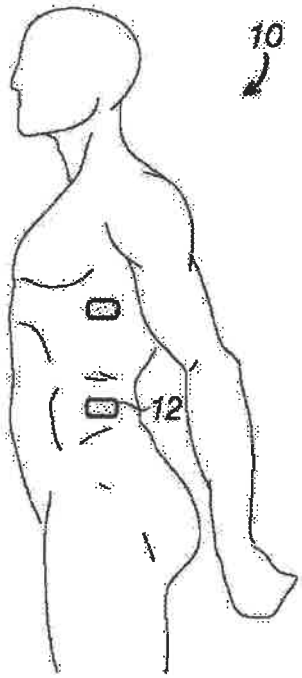

FIG. 1C

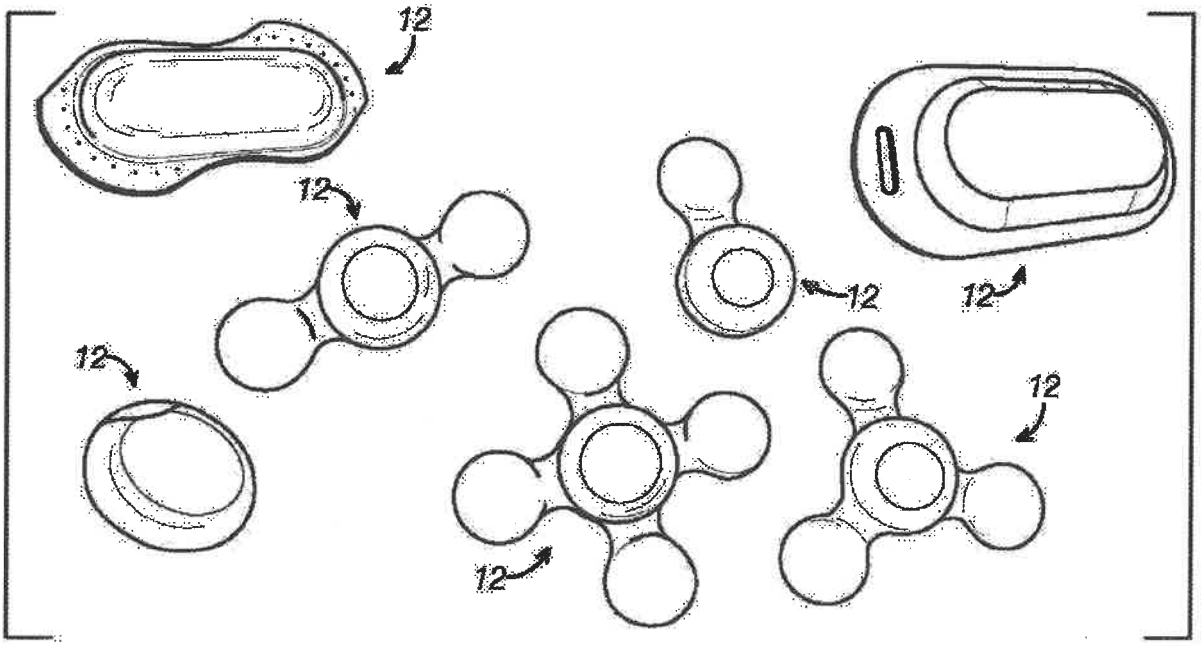

FIG. 2

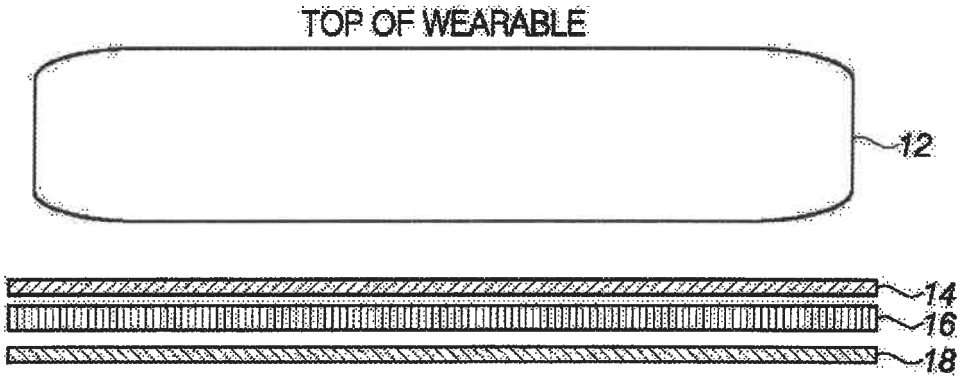
TOP OF WEARABLE
12
14
16
18

FIG. 3

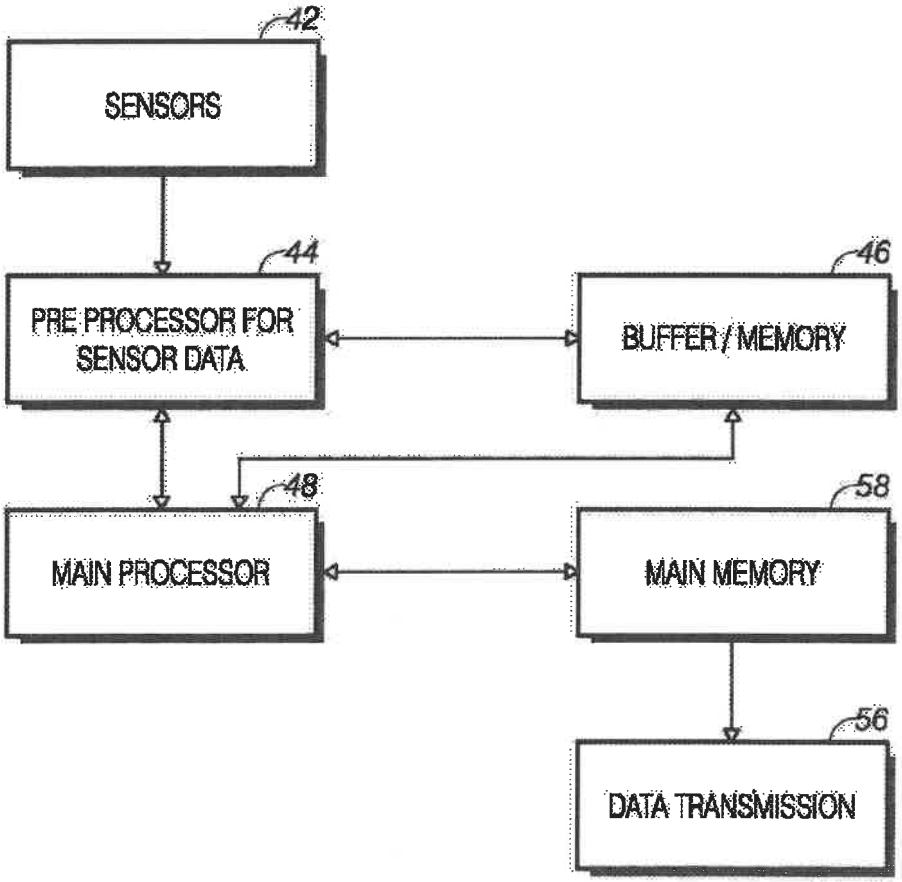
42
SENSORS
44
PRE PROCESSOR FOR SENSOR DATA
46
BUFFER / MEMORY
48
MAIN PROCESSOR
58
MAIN MEMORY
56
DATA TRANSMISSION

FIG. 4

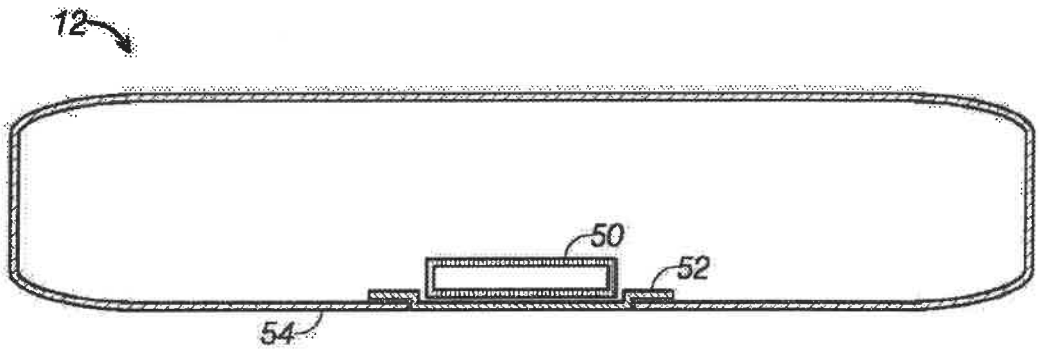

FIG. 5

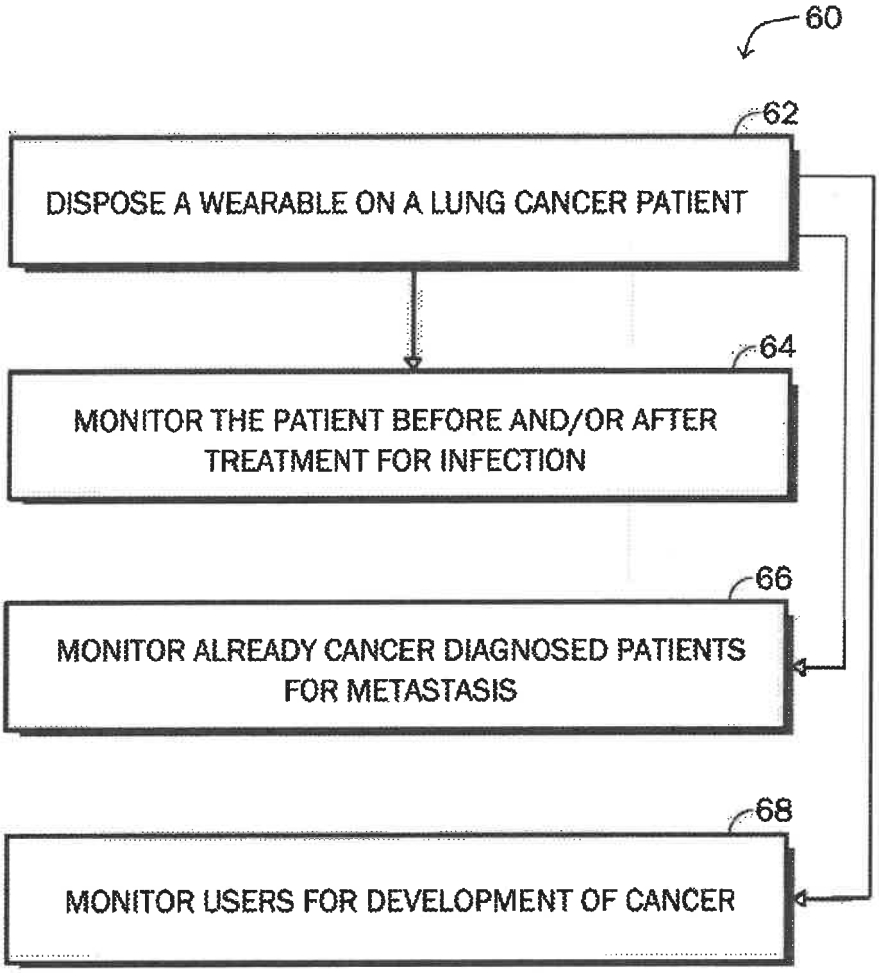
60
62
DISPOSE A WEARABLE ON A LUNG CANCER PATIENT
64
MONITOR THE PATIENT BEFORE AND/OR AFTER TREATMENT FOR INFECTION
66
MONITOR ALREADY CANCER DIAGNOSED PATIENTS FOR METASTASIS
68
MONITOR USERS FOR DEVELOPMENT OF CANCER

FIG. 6

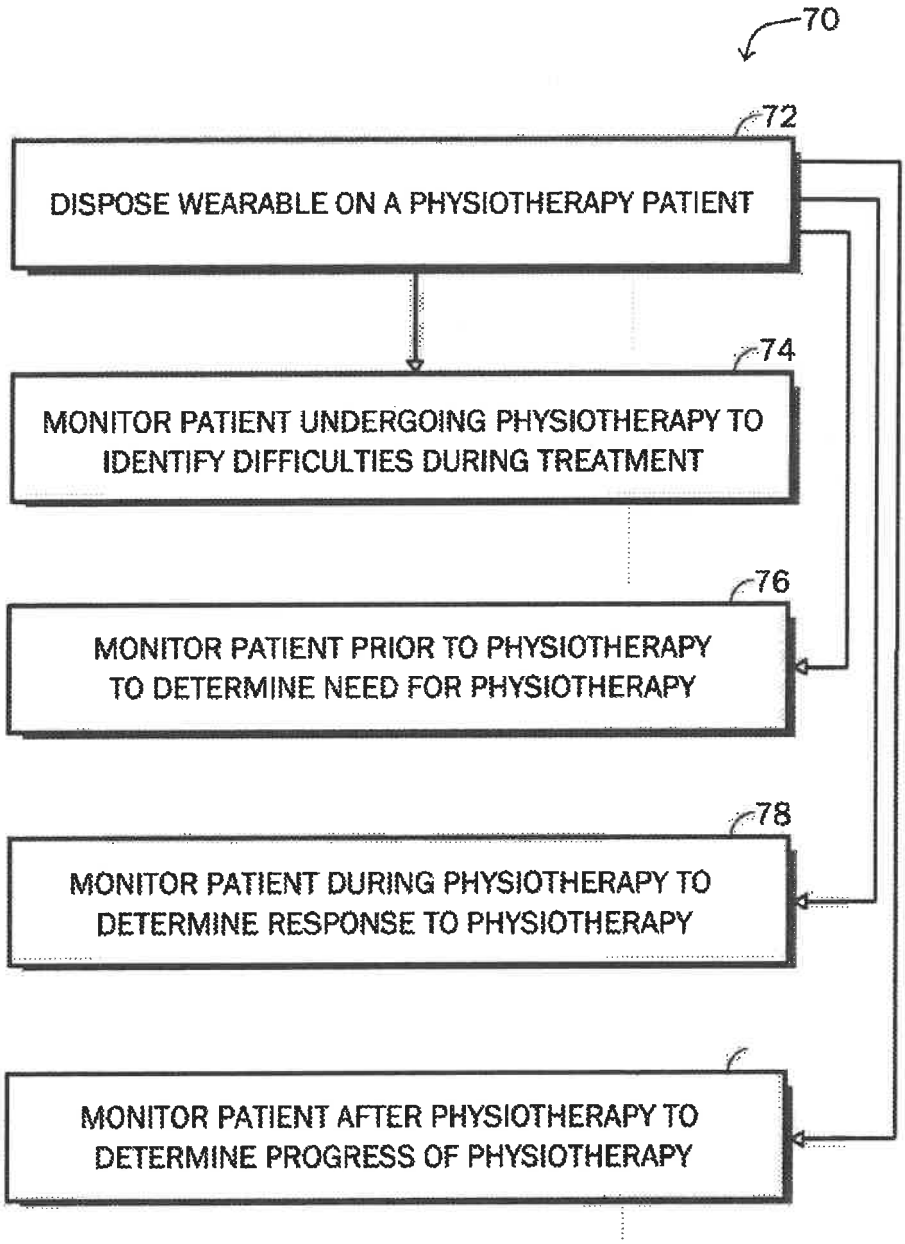
70
72
DISPOSE WEARABLE ON A PHYSIOTHERAPY PATIENT
74
MONITOR PATIENT UNDERGOING PHYSIOTHERAPY TO IDENTIFY DIFFICULTIES DURING TREATMENT
76
MONITOR PATIENT PRIOR TO PHYSIOTHERAPY TO DETERMINE NEED FOR PHYSIOTHERAPY
78
MONITOR PATIENT DURING PHYSIOTHERAPY TO DETERMINE RESPONSE TO PHYSIOTHERAPY
MONITOR PATIENT AFTER PHYSIOTHERAPY TO DETERMINE PROGRESS OF PHYSIOTHERAPY

FIG. 7

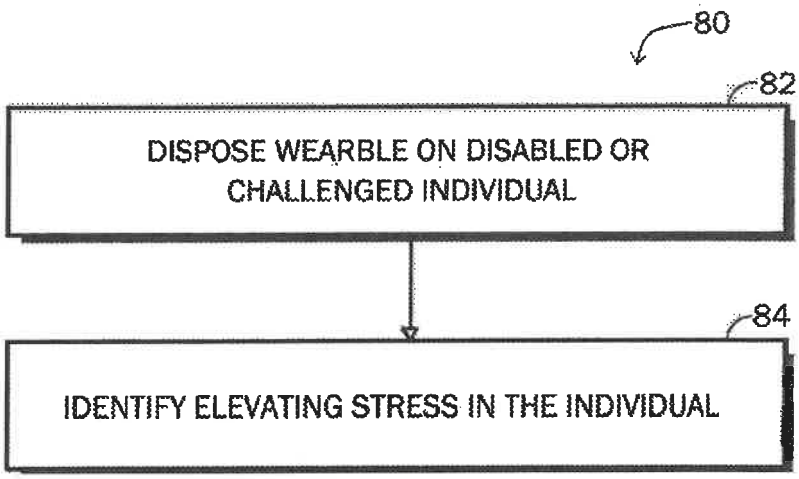
80
82
DISPOSE WEARBLE ON DISABLED OR CHALLENGED INDIVIDUAL
84
IDENTIFY ELEVATING STRESS IN THE INDIVIDUAL

FIG. 8

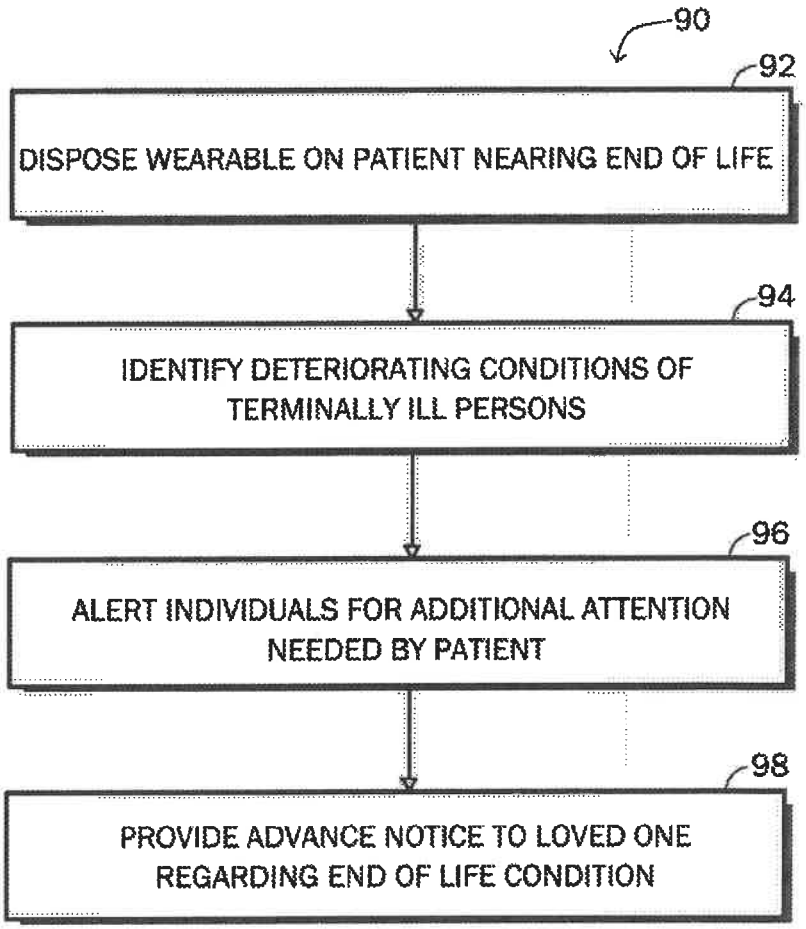
90
92
DISPOSE WEARABLE ON PATIENT NEARING END OF LIFE
94
IDENTIFY DETERIORATING CONDITIONS OF TERMINALLY ILL PERSONS
96
ALERT INDIVIDUALS FOR ADDITIONAL ATTENTION NEEDED BY PATIENT
98
PROVIDE ADVANCE NOTICE TO LOVED ONE REGARDING END OF LIFE CONDITION

FIG. 9

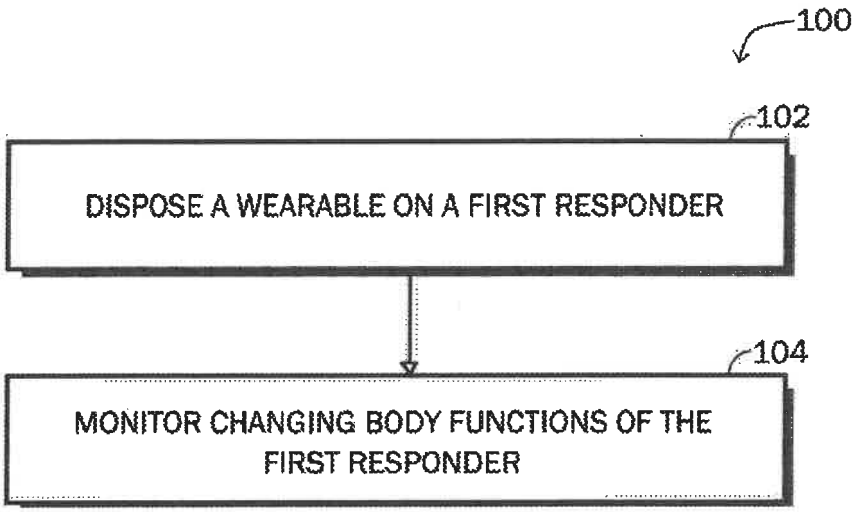
100
102
DISPOSE A WEARABLE ON A FIRST RESPONDER
104
MONITOR CHANGING BODY FUNCTIONS OF THE FIRST RESPONDER

FIG. 10

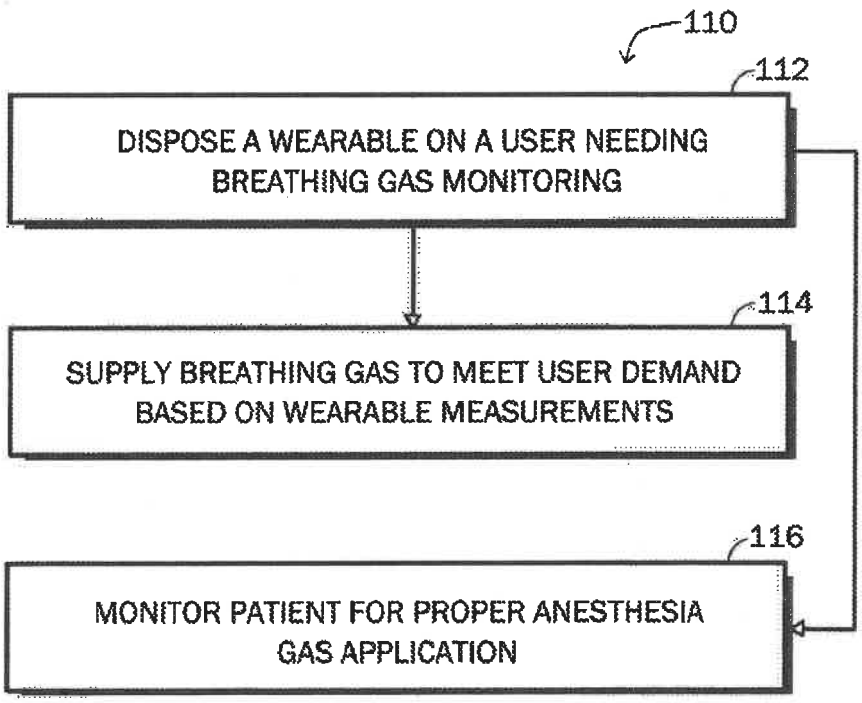
110
112
DISPOSE A WEARABLE ON A USER NEEDING BREATHING GAS MONITORING
114
SUPPLY BREATHING GAS TO MEET USER DEMAND BASED ON WEARABLE MEASUREMENTS
116
MONITOR PATIENT FOR PROPER ANESTHESIA GAS APPLICATION

FIG. 11

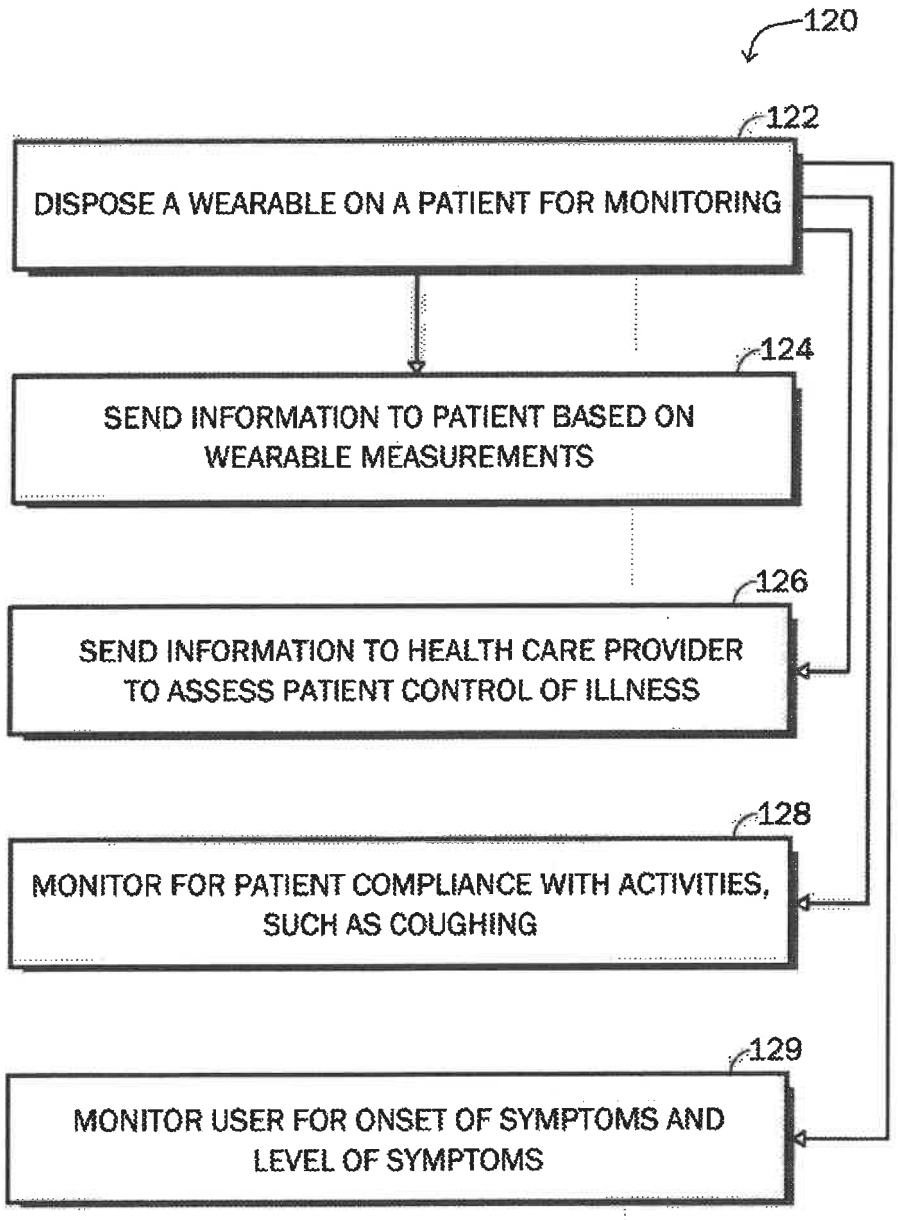
120
122
DISPOSE A WEARABLE ON A PATIENT FOR MONITORING
124
SEND INFORMATION TO PATIENT BASED ON WEARABLE MEASUREMENTS
126
SEND INFORMATION TO HEALTH CARE PROVIDER TO ASSESS PATIENT CONTROL OF ILLNESS
128
MONITOR FOR PATIENT COMPLIANCE WITH ACTIVITIES, SUCH AS COUGHING
129
MONITOR USER FOR ONSET OF SYMPTOMS AND LEVEL OF SYMPTOMS

FIG. 12

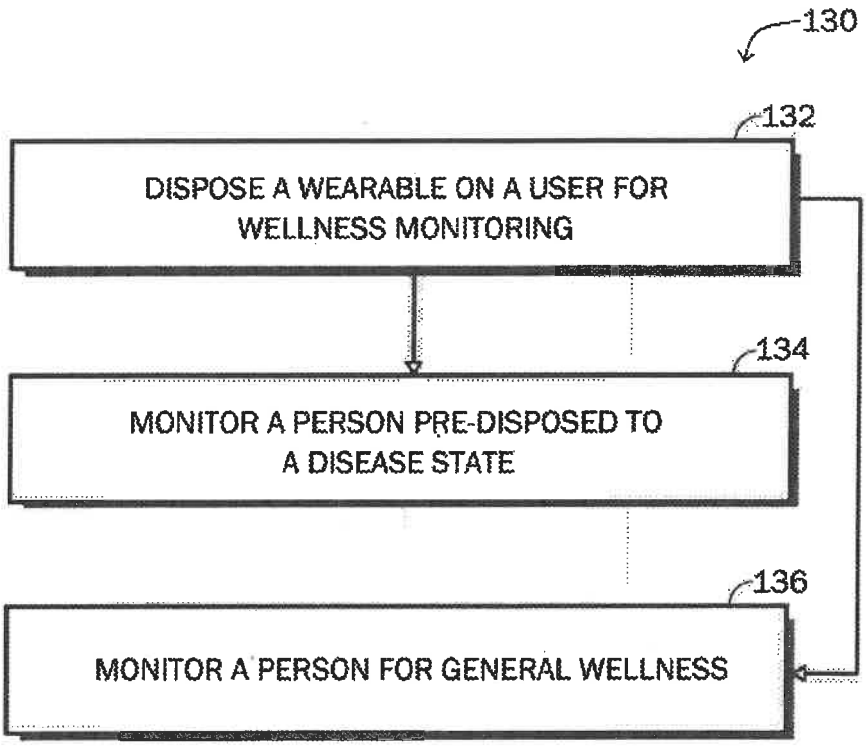
130
132
DISPOSE A WEARABLE ON A USER FOR WELLNESS MONITORING
134
MONITOR A PERSON PRE-DISPOSED TO A DISEASE STATE
136
MONITOR A PERSON FOR GENERAL WELLNESS

FIG. 13

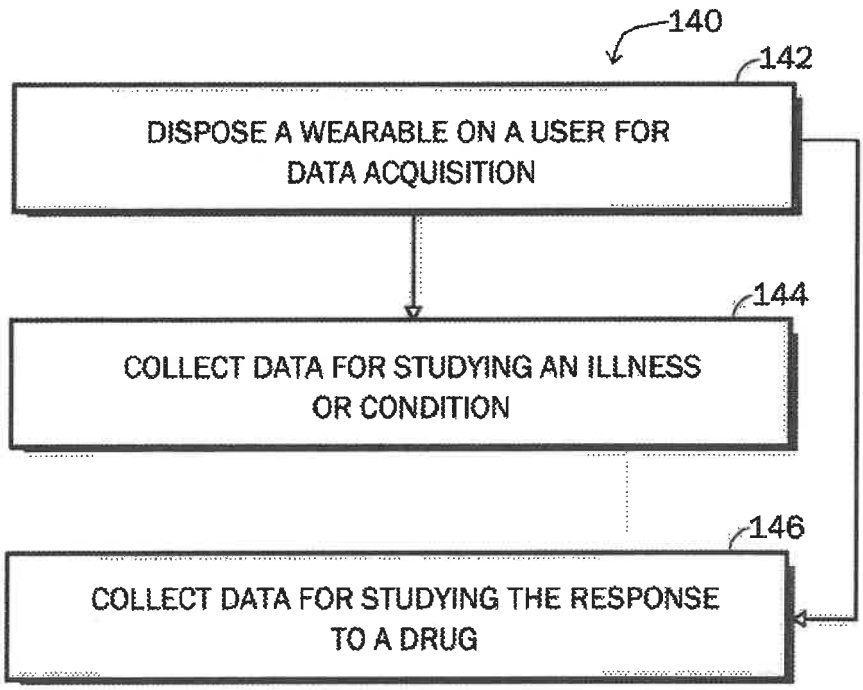
140
142
DISPOSE A WEARABLE ON A USER FOR DATA ACQUISITION
144
COLLECT DATA FOR STUDYING AN ILLNESS OR CONDITION
146
COLLECT DATA FOR STUDYING THE RESPONSE TO A DRUG

FIG. 14

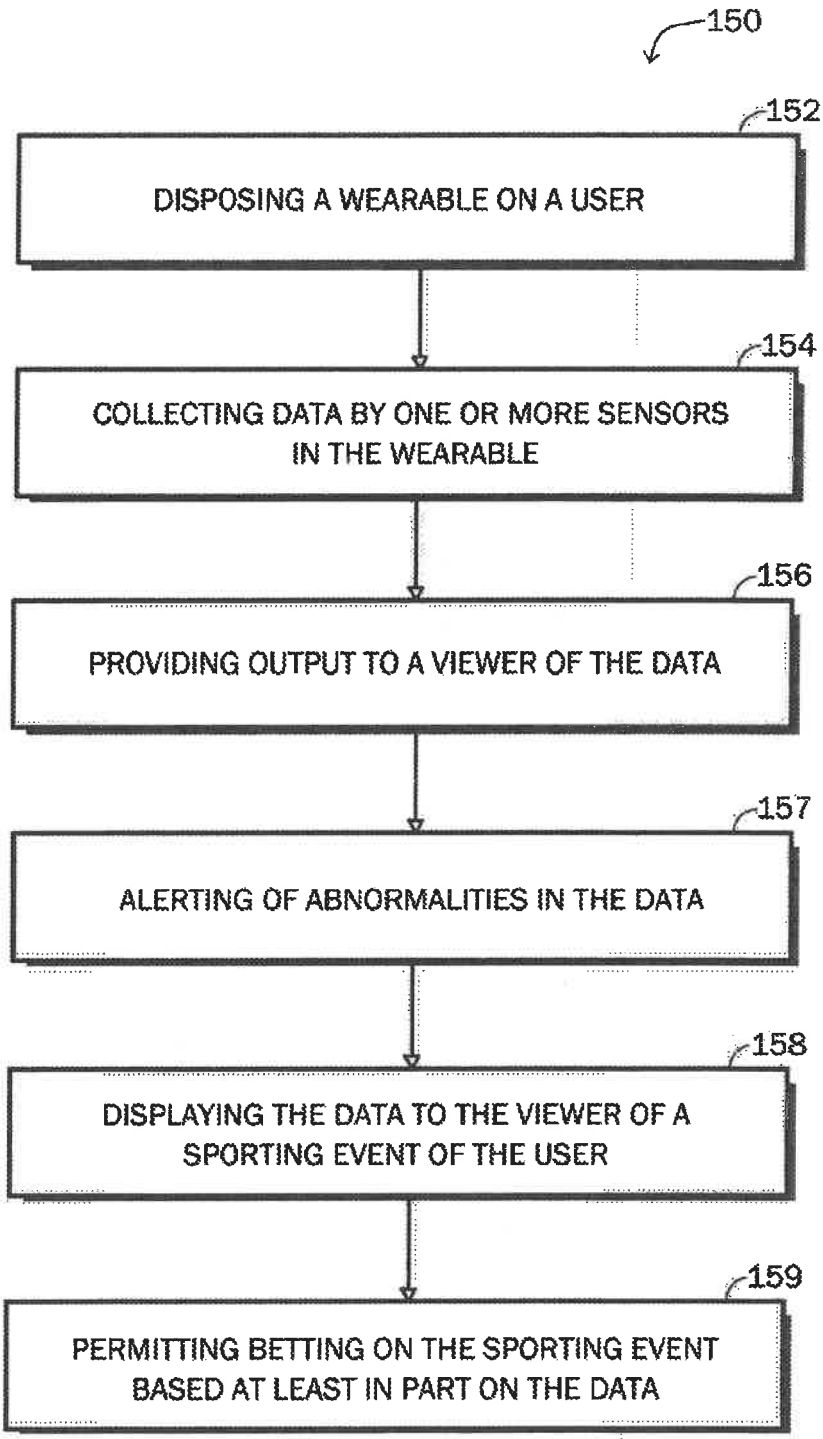
150
152
DISPOSING A WEARABLE ON A USER
154
COLLECTING DATA BY ONE OR MORE SENSORS IN THE WEARABLE
156
PROVIDING OUTPUT TO A VIEWER OF THE DATA
157
ALERTING OF ABNORMALITIES IN THE DATA
158
DISPLAYING THE DATA TO THE VIEWER OF A SPORTING EVENT OF THE USER
159
PERMITTING BETTING ON THE SPORTING EVENT BASED AT LEAST IN PART ON THE DATA

FIG. 15

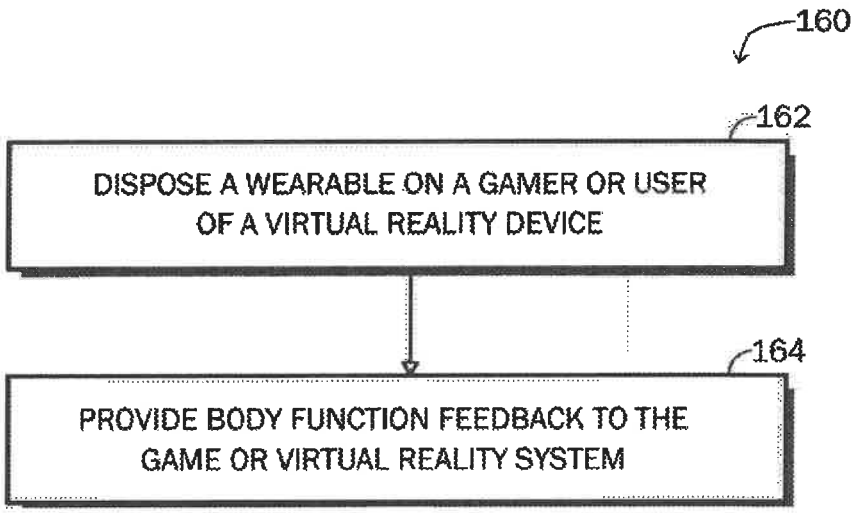
160
162
DISPOSE A WEARABLE ON A GAMER OR USER OF A VIRTUAL REALITY DEVICE
164
PROVIDE BODY FUNCTION FEEDBACK TO THE GAME OR VIRTUAL REALITY SYSTEM

FIG. 16

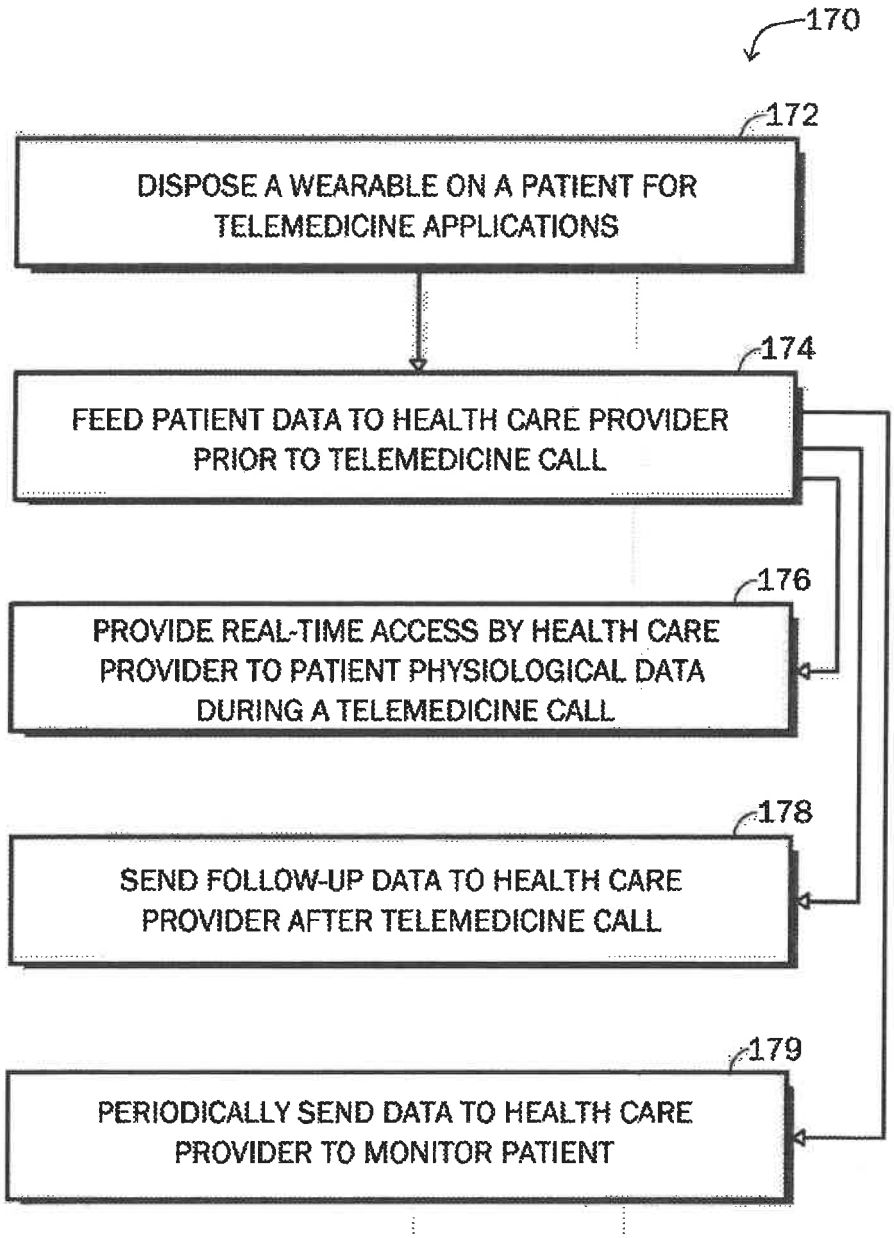
170
172
DISPOSE A WEARABLE ON A PATIENT FOR TELEMEDICINE APPLICATIONS
174
FEED PATIENT DATA TO HEALTH CARE PROVIDER PRIOR TO TELEMEDICINE CALL
176
PROVIDE REAL-TIME ACCESS BY HEALTH CARE PROVIDER TO PATIENT PHYSIOLOGICAL DATA DURING A TELEMEDICINE CALL
178
SEND FOLLOW-UP DATA TO HEALTH CARE PROVIDER AFTER TELEMEDICINE CALL
179
PERIODICALLY SEND DATA TO HEALTH CARE PROVIDER TO MONITOR PATIENT

FIG. 17

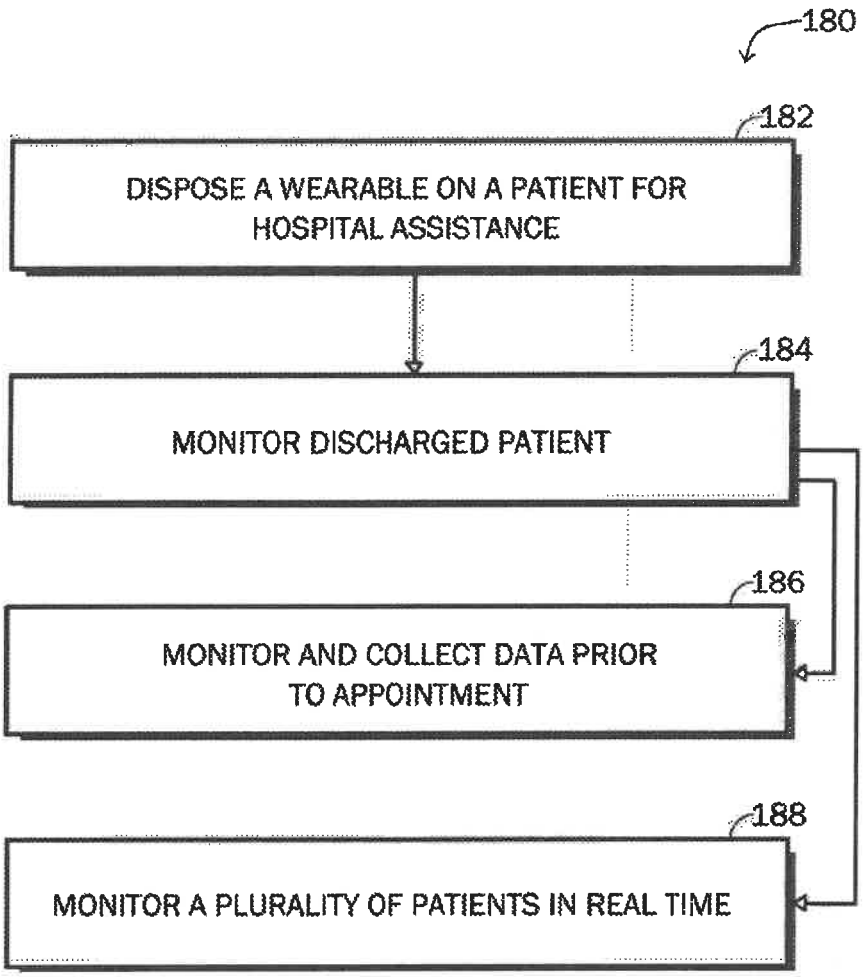
180
182
DISPOSE A WEARABLE ON A PATIENT FOR HOSPITAL ASSISTANCE
184
MONITOR DISCHARGED PATIENT
186
MONITOR AND COLLECT DATA PRIOR TO APPOINTMENT
188
MONITOR A PLURALITY OF PATIENTS IN REAL TIME

FIG. 18

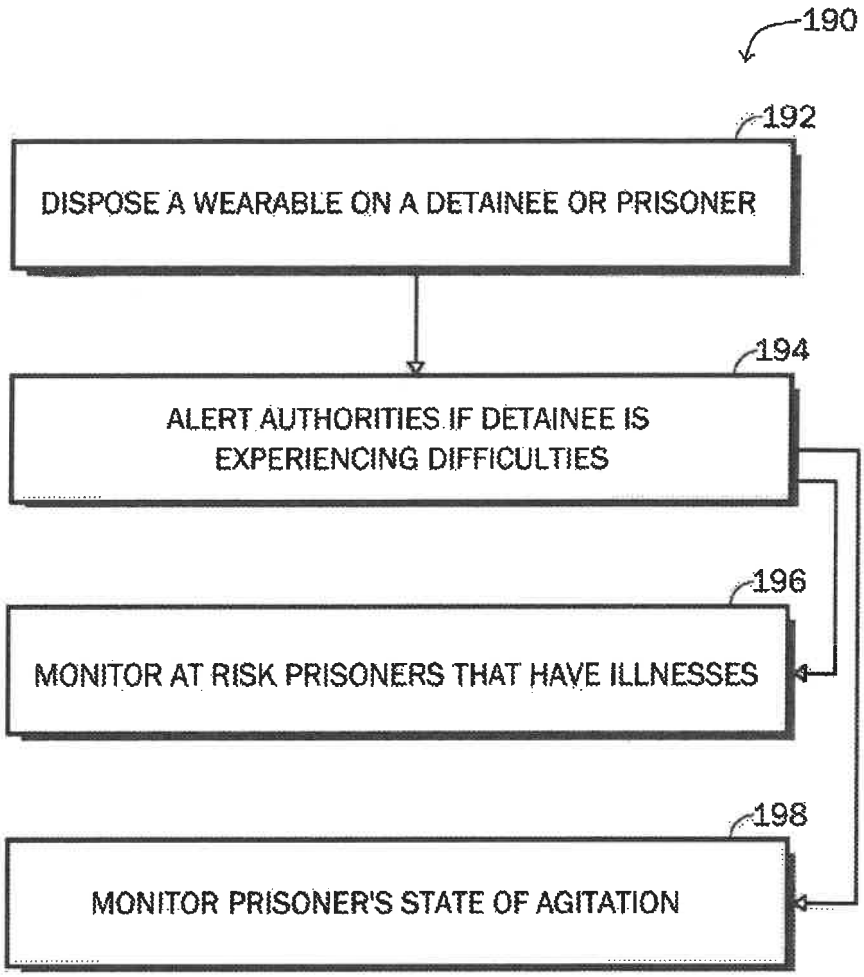
190
192
DISPOSE A WEARABLE ON A DETAINEE OR PRISONER
194
ALERT AUTHORITIES IF DETAINEE IS EXPERIENCING DIFFICULTIES
196
MONITOR AT RISK PRISONERS THAT HAVE ILLNESSES
198
MONITOR PRISONER'S STATE OF AGITATION

FIG. 19

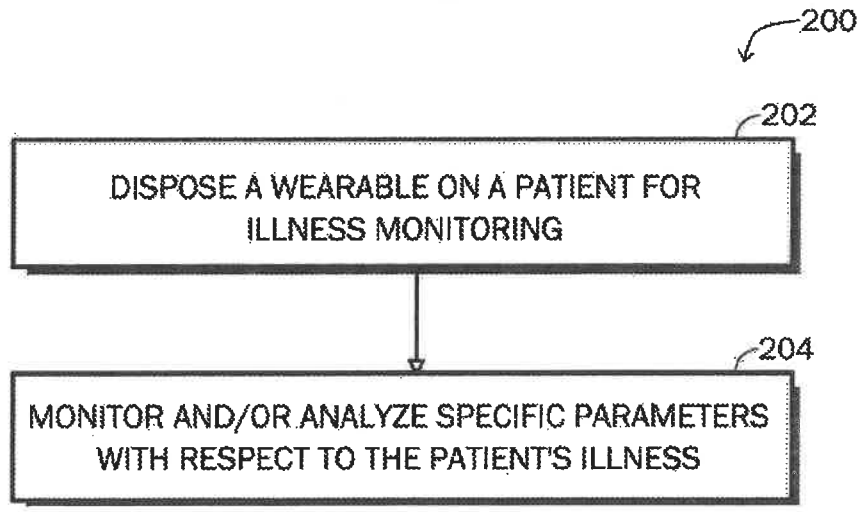
200
202
DISPOSE A WEARABLE ON A PATIENT FOR ILLNESS MONITORING
204
MONITOR AND/OR ANALYZE SPECIFIC PARAMETERS WITH RESPECT TO THE PATIENT'S ILLNESS

FIG. 20