FIG.1

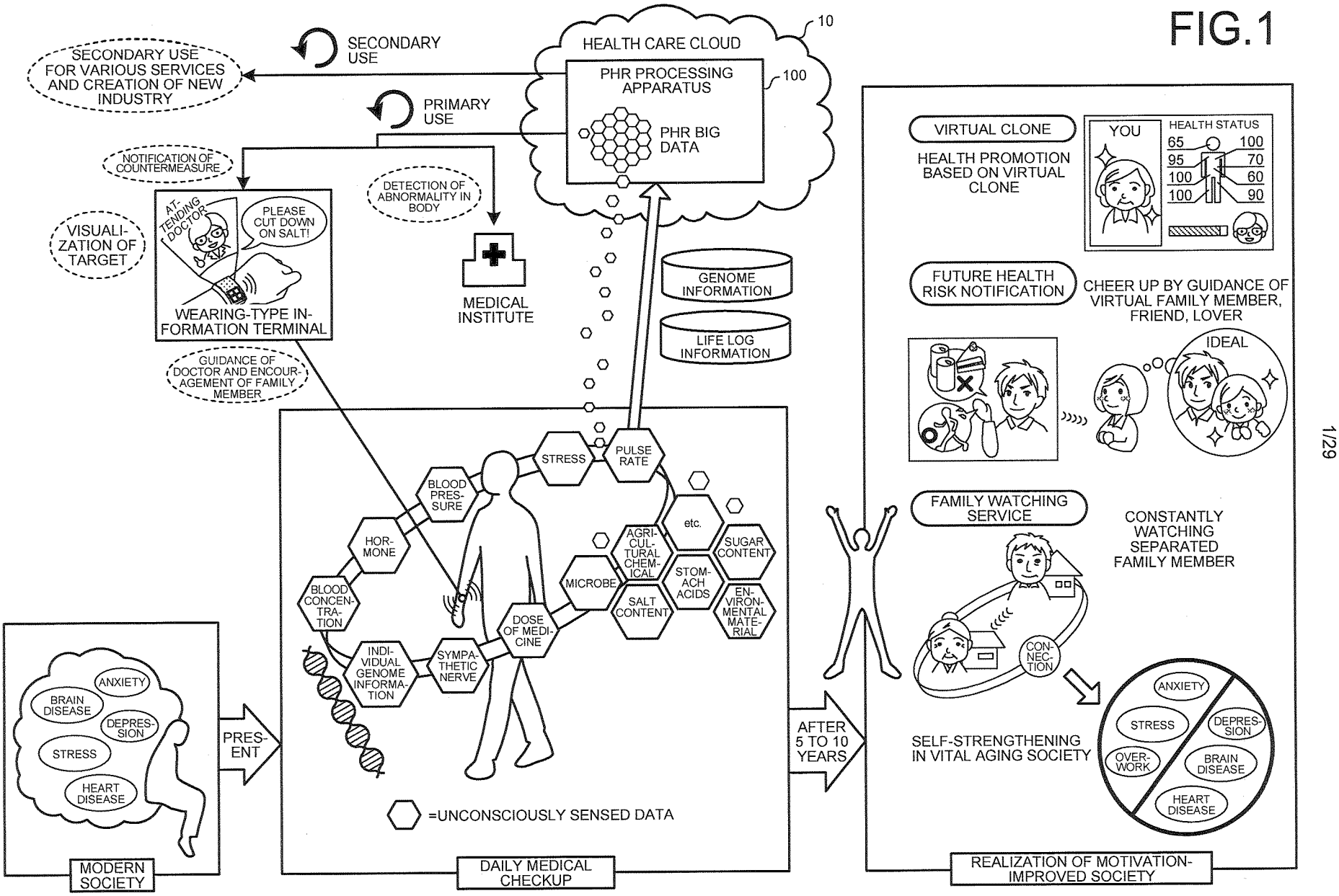

SECONDARY USE FOR VARIOUS SERVICES AND CREATION OF NEW INDUSTRY
SECONDARY USE
PRIMARY USE
HEALTH CARE CLOUD
10
PHR PROCESSING APPARATUS
100
PHR BIG DATA
NOTIFICATION OF COUNTERMEASURE
DETECTION OF ABNORMALITY IN BODY
VISUALI-ZATION OF TARGET
AT-TENDING DOCTOR
PLEASE CUT DOWN ON SALT!
WEARING-TYPE IN-FORMATION TERMINAL
MEDICAL INSTITUTE
GENOME INFORMATION
LIFE LOG INFORMATION
GUIDANCE OF DOCTOR AND ENCOUR-AGEMENT OF FAMILY MEMBER
STRESS
PULSE RATE
BLOOD PRES-SURE
HOR-MONE
BLOOD CONCEN-TRA-TION
INDI-VIDUAL GENOME INFORMA-TION
SYMPA-THETIC NERVE
DOSE OF MEDI-CINE
MICROBE
AGRI-CUL-TURAL CHEM-ICAL
etc.
SUGAR CONTENT
STOM-ACH ACIDS
SALT CONTENT
EN-VIRON-MENTAL MATE-RIAL
=UNCONSCIOUSLY SENSED DATA
ANXIETY
BRAIN DISEASE
DEPRES-SION
STRESS
HEART DISEASE
MODERN SOCIETY
PRES-ENT
DAILY MEDICAL CHECKUP
AFTER 5 TO 10 YEARS
VIRTUAL CLONE
HEALTH PROMOTION BASED ON VIRTUAL CLONE
YOU
HEALTH STATUS
65 100
95 70
100 60
100 90
FUTURE HEALTH RISK NOTIFICATION
CHEER UP BY GUIDANCE OF VIRTUAL FAMILY MEMBER, FRIEND, LOVER
IDEAL
FAMILY WATCHING SERVICE
CONSTANTLY WATCHING SEPARATED FAMILY MEMBER
CON-NEC-TION
SELF-STRENGTHENING IN VITAL AGING SOCIETY
ANXIETY
STRESS
DEPRES-SION
OVER-WORK
BRAIN DISEASE
HEART DISEASE
REALIZATION OF MOTIVATION-IMPROVED SOCIETY

FIG.2A

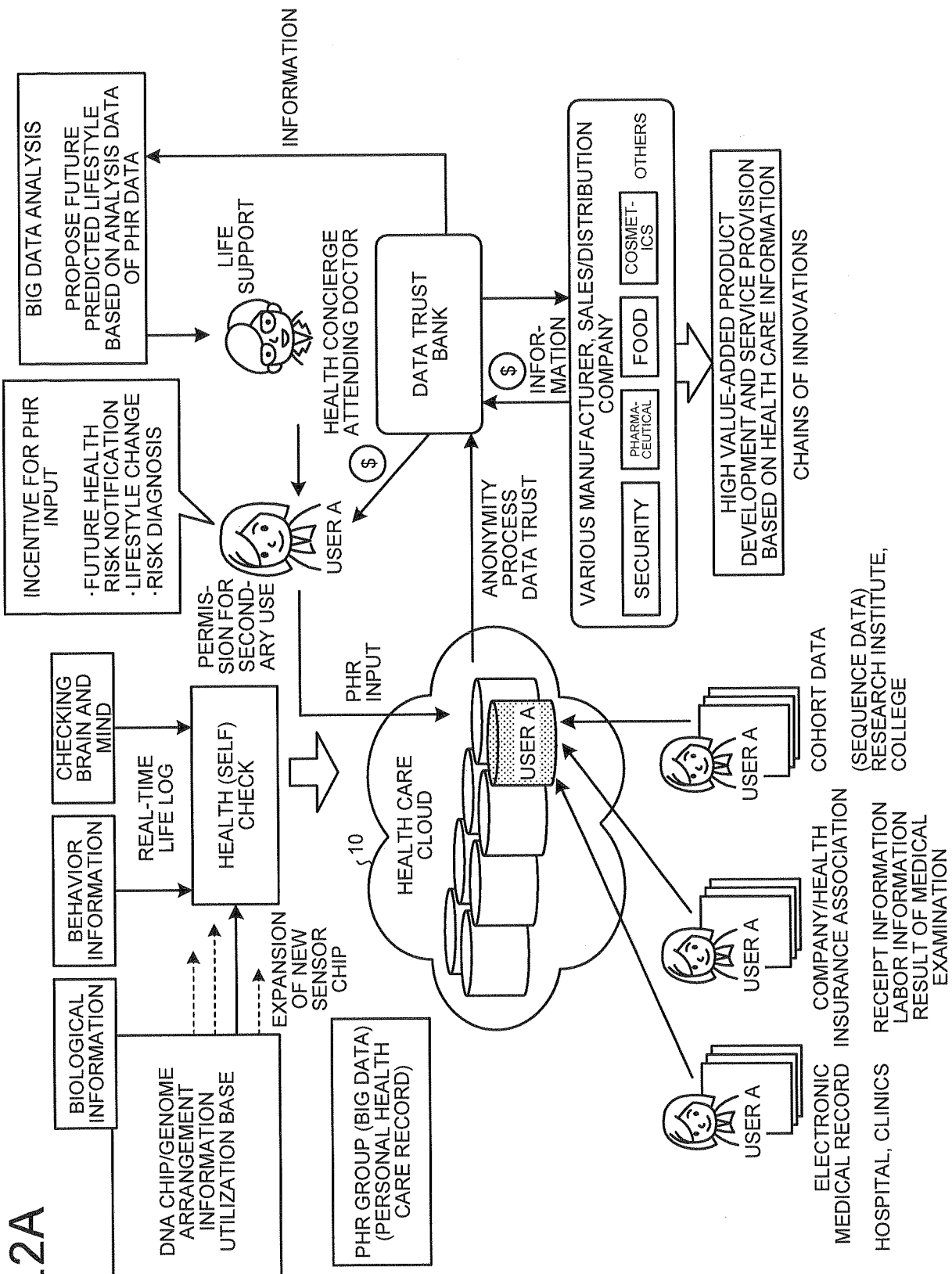

BIG DATA ANALYSIS
PROPOSE FUTURE PREDICTED LIFESTYLE BASED ON ANALYSIS DATA OF PHR DATA
INFORMATION
LIFE SUPPORT
HEALTH CONCIERGE ATTENDING DOCTOR
INCENTIVE FOR PHR INPUT
·FUTURE HEALTH RISK NOTIFICATION
·LIFESTYLE CHANGE
·RISK DIAGNOSIS
DATA TRUST BANK
INFOR-MATION
VARIOUS MANUFACTURER, SALES/DISTRIBUTION COMPANY
SECURITY
PHARMA-CEUTICAL
FOOD
COSMET-ICS
OTHERS
HIGH VALUE-ADDED PRODUCT DEVELOPMENT AND SERVICE PROVISION BASED ON HEALTH CARE INFORMATION
CHAINS OF INNOVATIONS
PERMIS-SION FOR SECOND-ARY USE
USER A
PHR INPUT
ANONYMITY PROCESS DATA TRUST
CHECKING BRAIN AND MIND
BEHAVIOR INFORMATION
REAL-TIME LIFE LOG
HEALTH (SELF) CHECK
EXPANSION OF NEW SENSOR CHIP
10
HEALTH CARE CLOUD
USER A
USER A
USER A
USER A
COHORT DATA
(SEQUENCE DATA)
RESEARCH INSTITUTE, COLLEGE
BIOLOGICAL INFORMATION
DNA CHIP/GENOME ARRANGEMENT INFORMATION UTILIZATION BASE
PHR GROUP (BIG DATA) (PERSONAL HEALTH CARE RECORD)
ELECTRONIC MEDICAL RECORD
HOSPITAL, CLINICS
COMPANY/HEALTH INSURANCE ASSOCIATION
RECEIPT INFORMATION
LABOR INFORMATION
RESULT OF MEDICAL EXAMINATION

FIG.2B

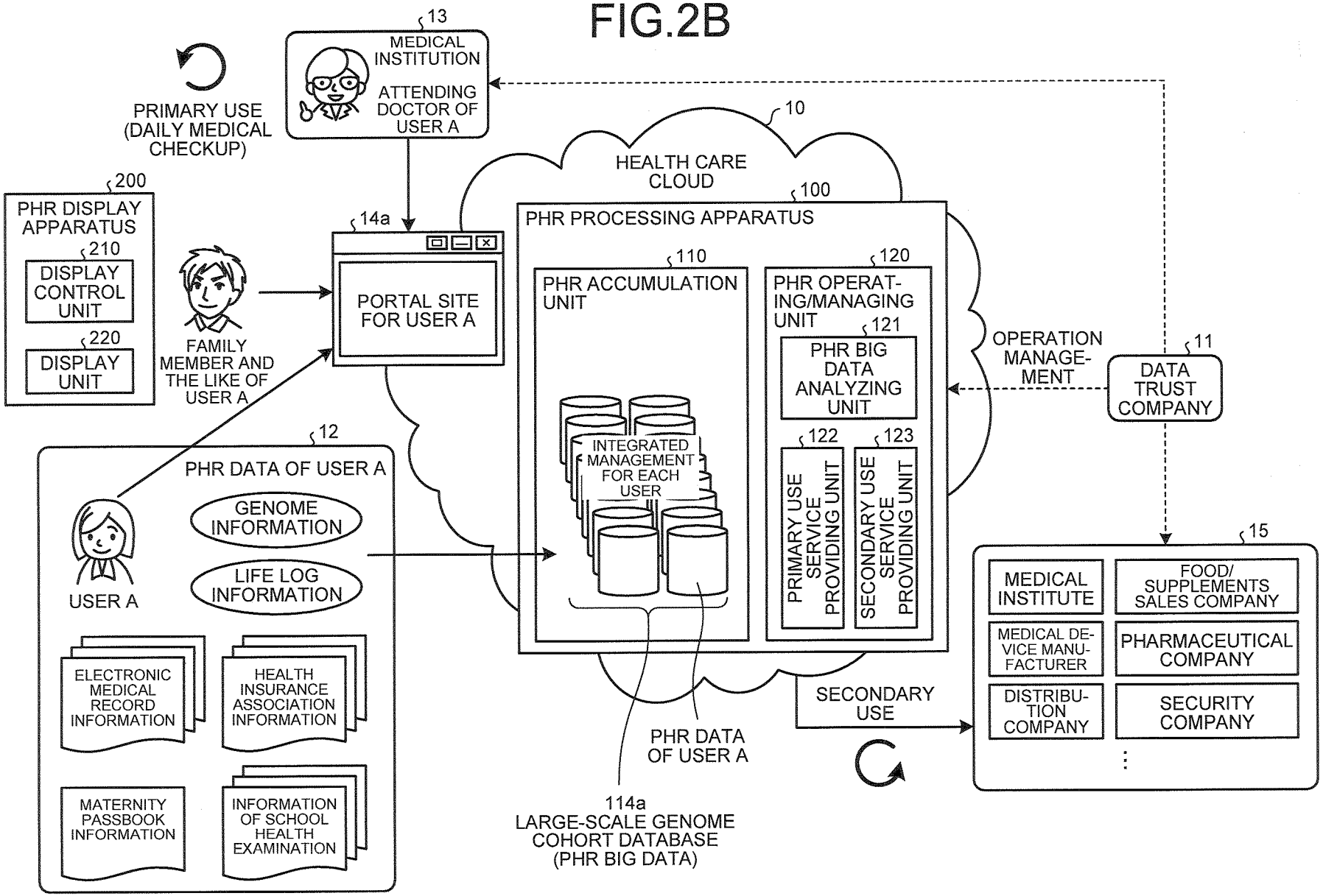

13
MEDICAL INSTITUTION
ATTENDING DOCTOR OF USER A
PRIMARY USE (DAILY MEDICAL CHECKUP)
10
HEALTH CARE CLOUD
200
PHR DISPLAY APPARATUS
210
DISPLAY CONTROL UNIT
220
DISPLAY UNIT
14a
PORTAL SITE FOR USER A
FAMILY MEMBER AND THE LIKE OF USER A
100
PHR PROCESSING APPARATUS
110
PHR ACCUMULATION UNIT
120
PHR OPERAT-ING/MANAGING UNIT
121
PHR BIG DATA ANALYZING UNIT
122
PRIMARY USE SERVICE PROVIDING UNIT
123
SECONDARY USE SERVICE PROVIDING UNIT
INTEGRATED MANAGEMENT FOR EACH USER
OPERATION MANAGE-MENT
11
DATA TRUST COMPANY
12
PHR DATA OF USER A
USER A
GENOME INFORMATION
LIFE LOG INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION
HEALTH INSURANCE ASSOCIATION INFORMATION
MATERNITY PASSBOOK INFORMATION
INFORMATION OF SCHOOL HEALTH EXAMINATION
15
MEDICAL INSTITUTE
FOOD/ SUPPLEMENTS SALES COMPANY
MEDICAL DE-VICE MANU-FACTURER
PHARMACEUTICAL COMPANY
DISTRIBU-TION COMPANY
SECURITY COMPANY
SECONDARY USE
PHR DATA OF USER A
114a
LARGE-SCALE GENOME COHORT DATABASE (PHR BIG DATA)

FIG.3

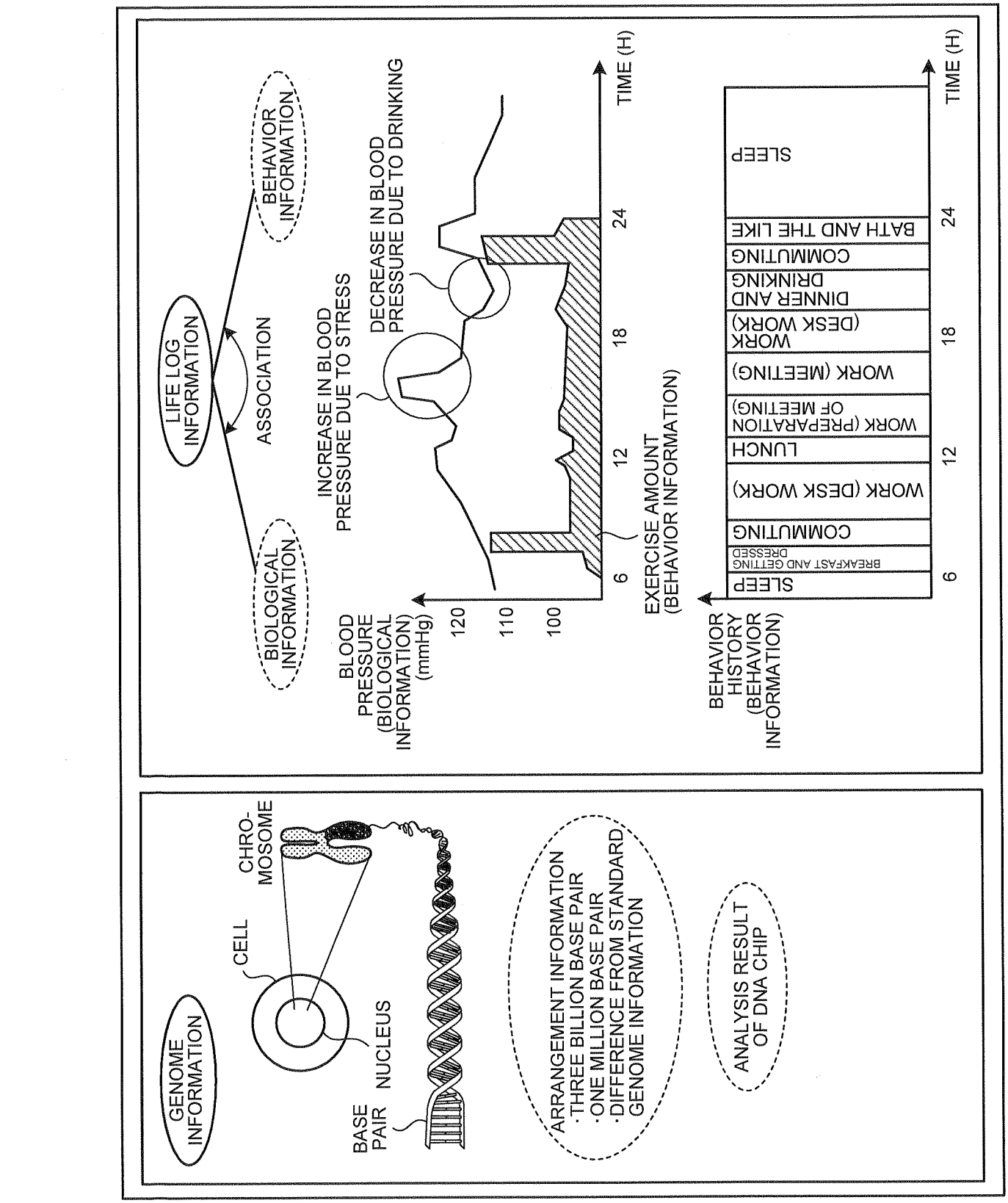

PHR DATA OF USER A
=
GENOME INFORMATION
CELL
CHRO-MOSOME
NUCLEUS
BASE PAIR
ARRANGEMENT INFORMATION
·THREE BILLION BASE PAIR
·ONE MILLION BASE PAIR
·DIFFERENCE FROM STANDARD GENOME INFORMATION
ANALYSIS RESULT OF DNA CHIP
LIFE LOG INFORMATION
ASSOCIATION
BIOLOGICAL INFORMATION
BEHAVIOR INFORMATION
INCREASE IN BLOOD PRESSURE DUE TO STRESS
DECREASE IN BLOOD PRESSURE DUE TO DRINKING
BLOOD PRESSURE (BIOLOGICAL INFORMATION) (mmHg)
120
110
100
6
12
18
24
TIME (H)
EXERCISE AMOUNT (BEHAVIOR INFORMATION)
BEHAVIOR HISTORY (BEHAVIOR INFORMATION)
SLEEP
BREAKFAST AND GETTING DRESSED
COMMUTING
WORK (DESK WORK)
LUNCH
WORK (PREPARATION OF MEETING)
WORK (MEETING)
WORK (DESK WORK)
DINNER AND DRINKING
COMMUTING
BATH AND THE LIKE
SLEEP
6
12
18
24
TIME (H)

FIG.4

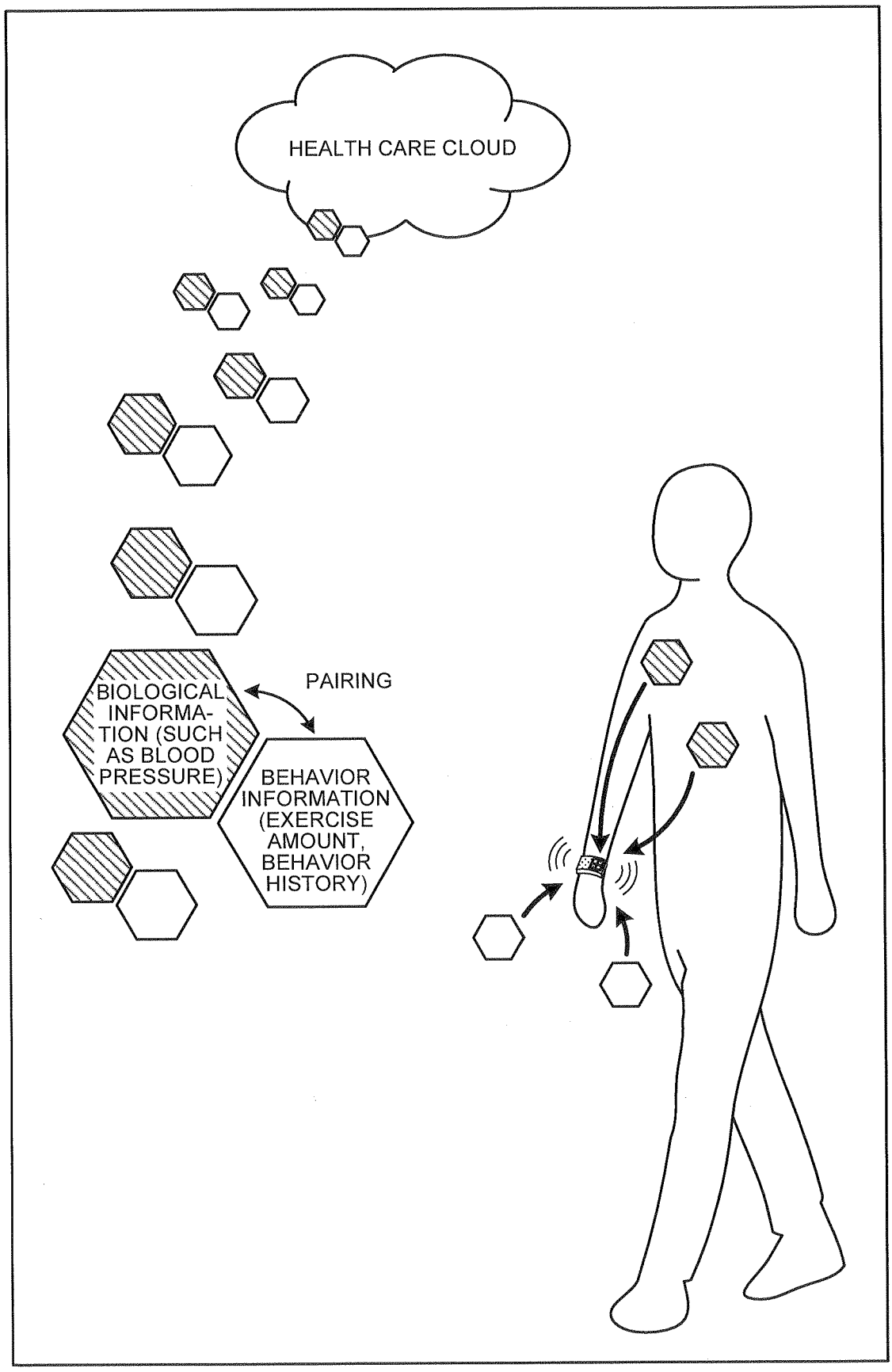
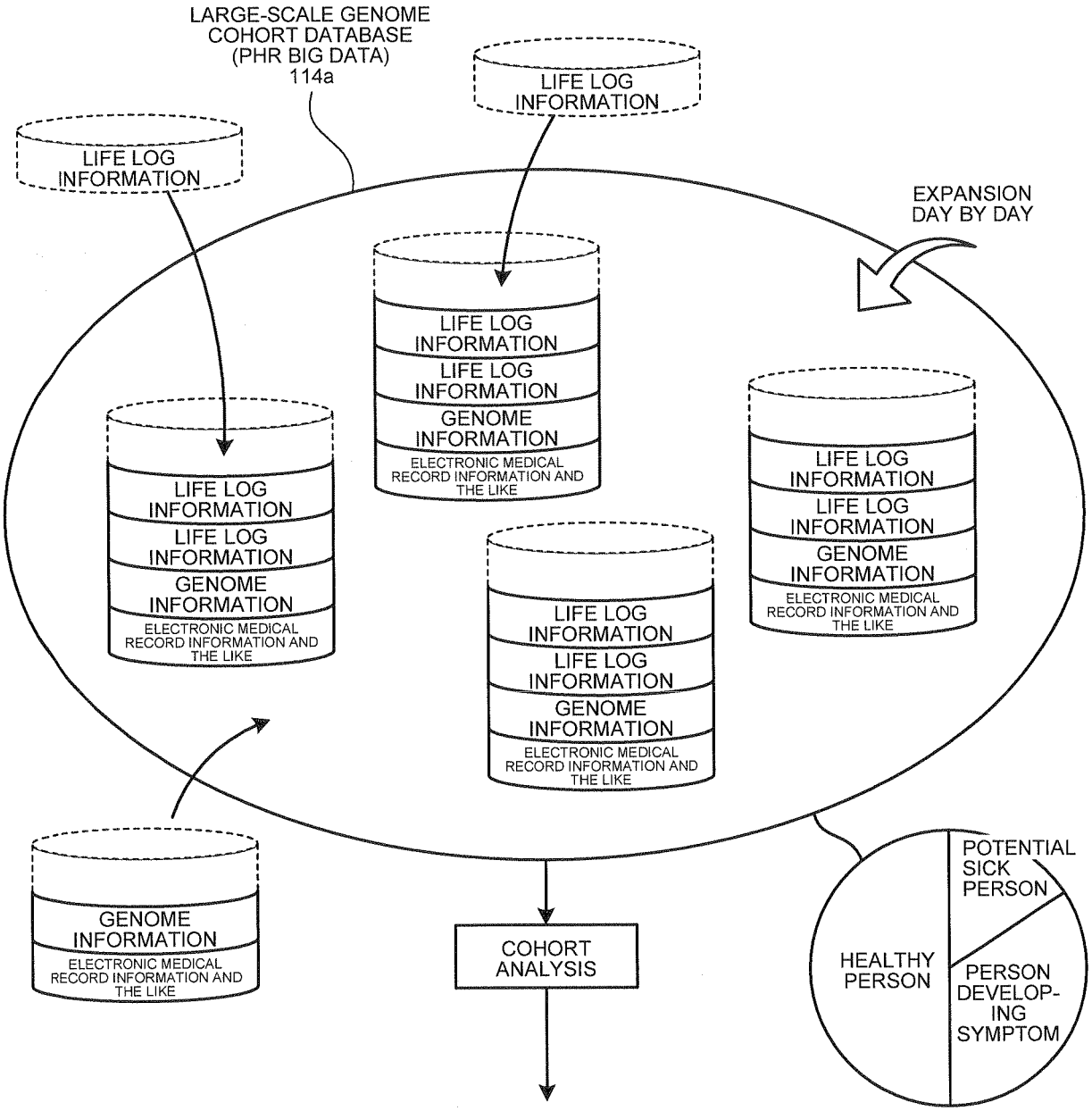

HEALTH CARE CLOUD
BIOLOGICAL INFORMA-TION (SUCH AS BLOOD PRESSURE)
PAIRING
BEHAVIOR INFORMATION (EXERCISE AMOUNT, BEHAVIOR HISTORY)

FIG.5



		TYPE OF LIFESTYLE					
		1	2	3	4	5	...
TYPE OF GENOME	1						
	2						
	3						
	4						
	5						
	⋮	⋮	⋮	⋮	⋮	⋮	⋮

FIG.6

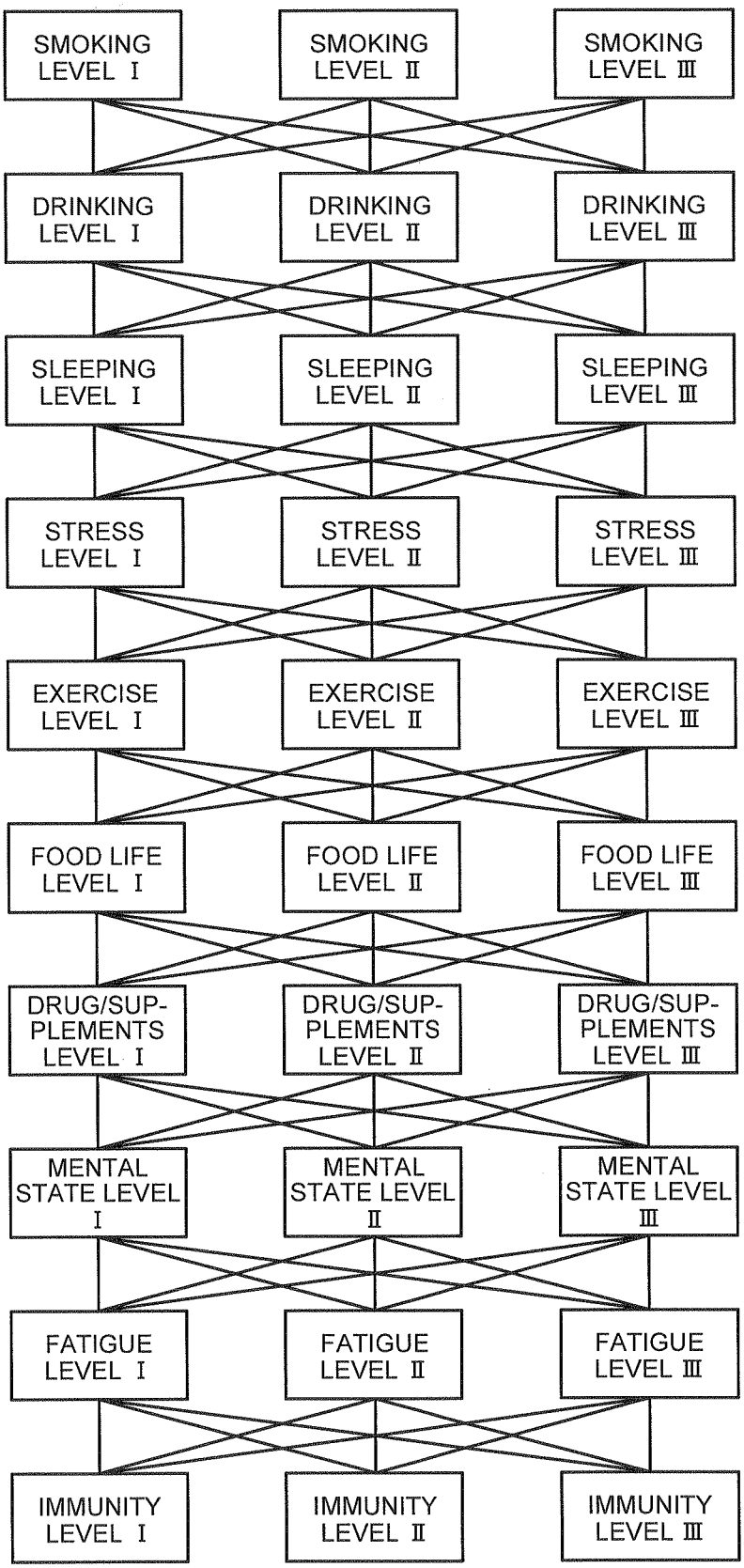

SMOKING LEVEL I
SMOKING LEVEL II
SMOKING LEVEL III
DRINKING LEVEL I
DRINKING LEVEL II
DRINKING LEVEL III
SLEEPING LEVEL I
SLEEPING LEVEL II
SLEEPING LEVEL III
STRESS LEVEL I
STRESS LEVEL II
STRESS LEVEL III
EXERCISE LEVEL I
EXERCISE LEVEL II
EXERCISE LEVEL III
FOOD LIFE LEVEL I
FOOD LIFE LEVEL II
FOOD LIFE LEVEL III
DRUG/SUP-PLEMENTS LEVEL I
DRUG/SUP-PLEMENTS LEVEL II
DRUG/SUP-PLEMENTS LEVEL III
MENTAL STATE LEVEL I
MENTAL STATE LEVEL II
MENTAL STATE LEVEL III
FATIGUE LEVEL I
FATIGUE LEVEL II
FATIGUE LEVEL III
IMMUNITY LEVEL I
IMMUNITY LEVEL II
IMMUNITY LEVEL III

FIG.7

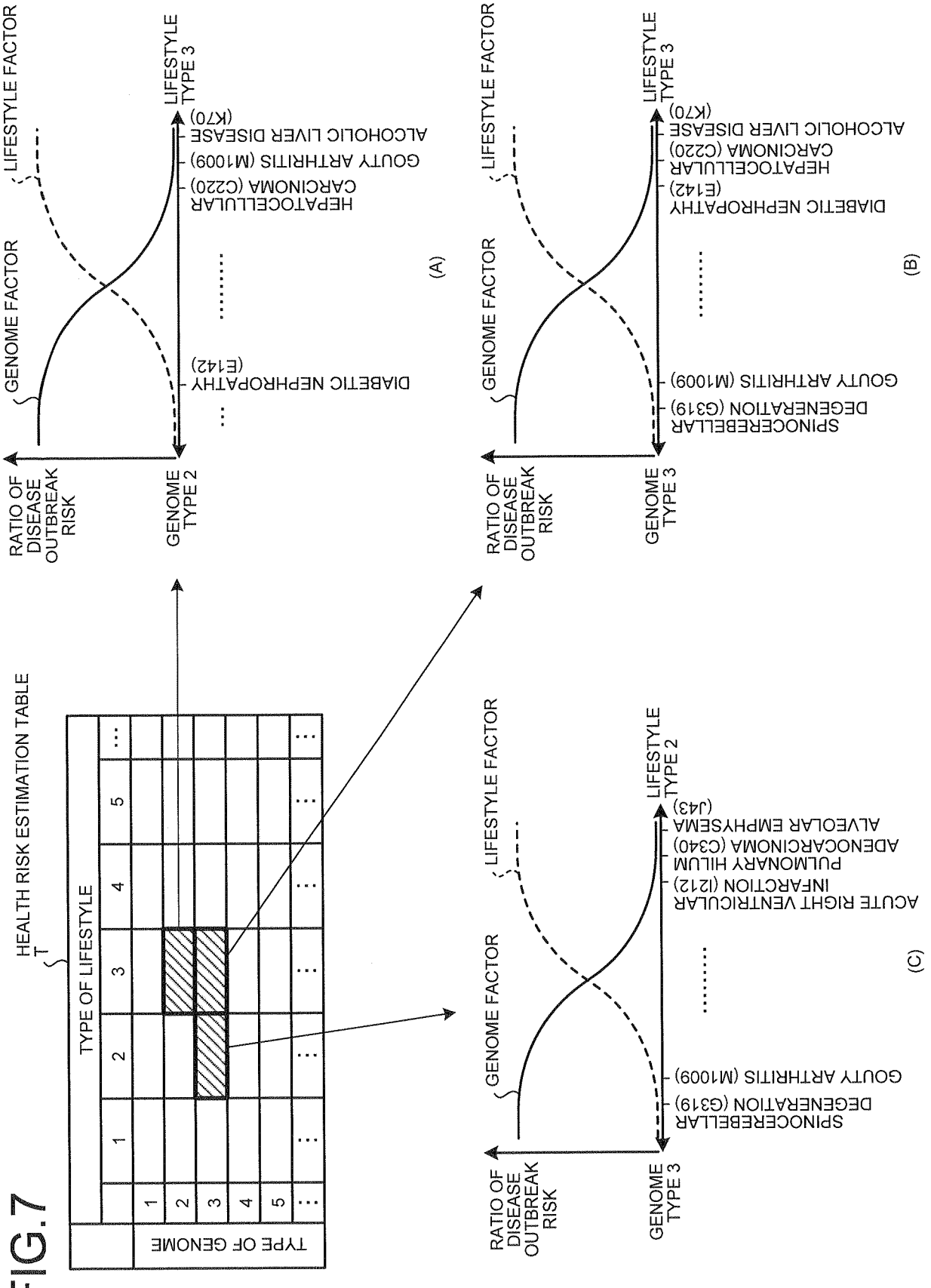

HEALTH RISK ESTIMATION TABLE
T
TYPE OF LIFESTYLE
TYPE OF GENOME
1
2
3
4
5
...
LIFESTYLE FACTOR
GENOME FACTOR
RATIO OF DISEASE OUTBREAK RISK
GENOME TYPE 2
LIFESTYLE TYPE 3
HEPATOCELLULAR CARCINOMA (C220)
GOUTY ARTHRITIS (M1009)
ALCOHOLIC LIVER DISEASE (K70)
DIABETIC NEPHROPATHY (E142)
(A)
GENOME TYPE 3
LIFESTYLE TYPE 3
SPINOCEREBELLAR DEGENERATION (G319)
GOUTY ARTHRITIS (M1009)
DIABETIC NEPHROPATHY (E142)
HEPATOCELLULAR CARCINOMA (C220)
ALCOHOLIC LIVER DISEASE (K70)
(B)
GENOME TYPE 3
LIFESTYLE TYPE 2
SPINOCEREBELLAR DEGENERATION (G319)
GOUTY ARTHRITIS (M1009)
ACUTE RIGHT VENTRICULAR INFARCTION (I212)
PULMONARY HILUM ADENOCARCINOMA (C340)
ALVEOLAR EMPHYSEMA (J43)
(C)

FIG.8

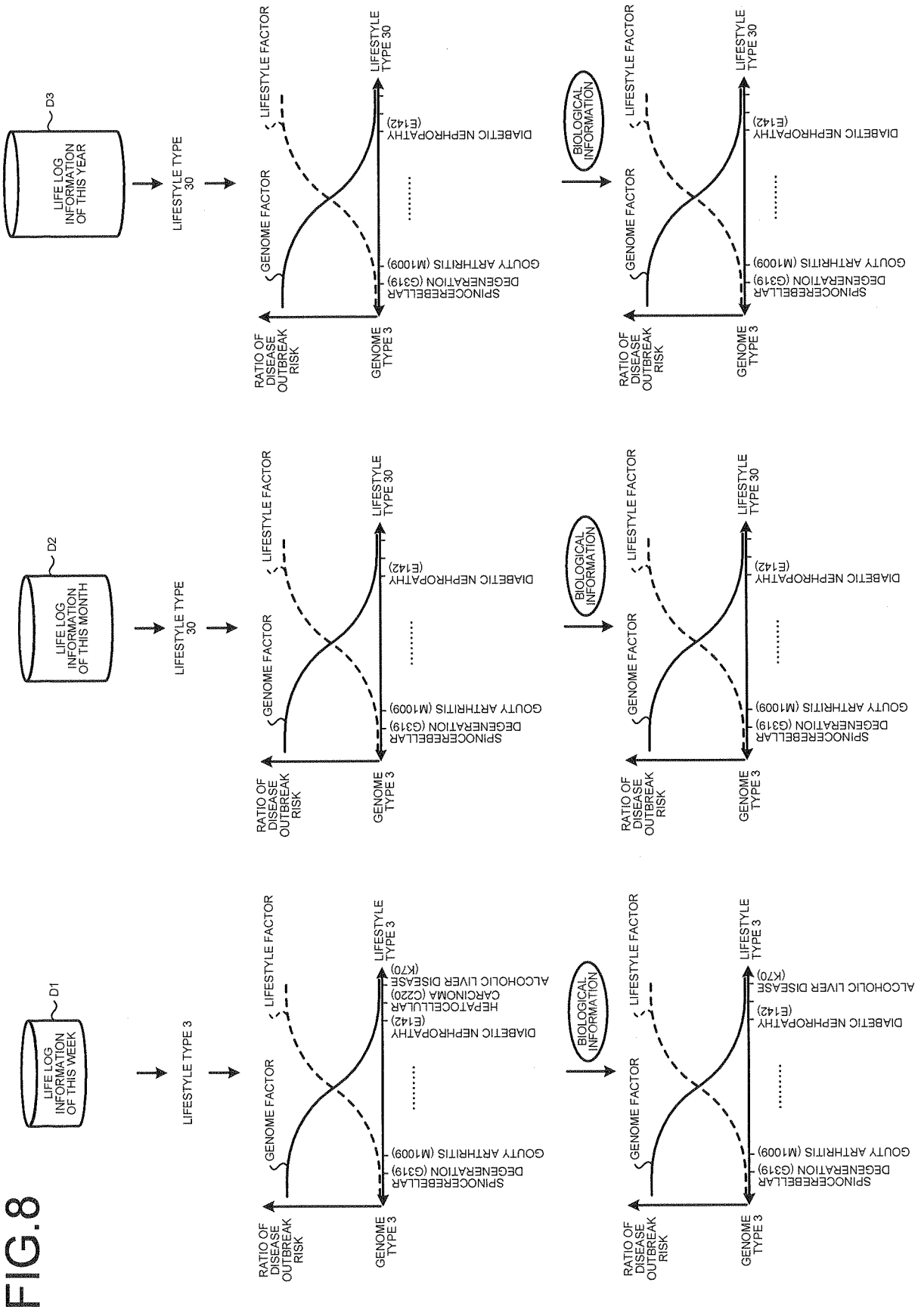

D1
LIFE LOG INFORMATION OF THIS WEEK
LIFESTYLE TYPE 3
D2
LIFE LOG INFORMATION OF THIS MONTH
LIFESTYLE TYPE 30
D3
LIFE LOG INFORMATION OF THIS YEAR
LIFESTYLE TYPE 30
BIOLOGICAL INFORMATION
LIFESTYLE FACTOR
GENOME FACTOR
RATIO OF DISEASE OUTBREAK RISK
GENOME TYPE 3
LIFESTYLE TYPE 3
LIFESTYLE TYPE 30
SPINOCEREBELLAR DEGENERATION (G319)
GOUTY ARTHRITIS (M1009)
DIABETIC NEPHROPATHY (E142)
HEPATOCELLULAR CARCINOMA (C220)
ALCOHOLIC LIVER DISEASE (K70)

FIG.9

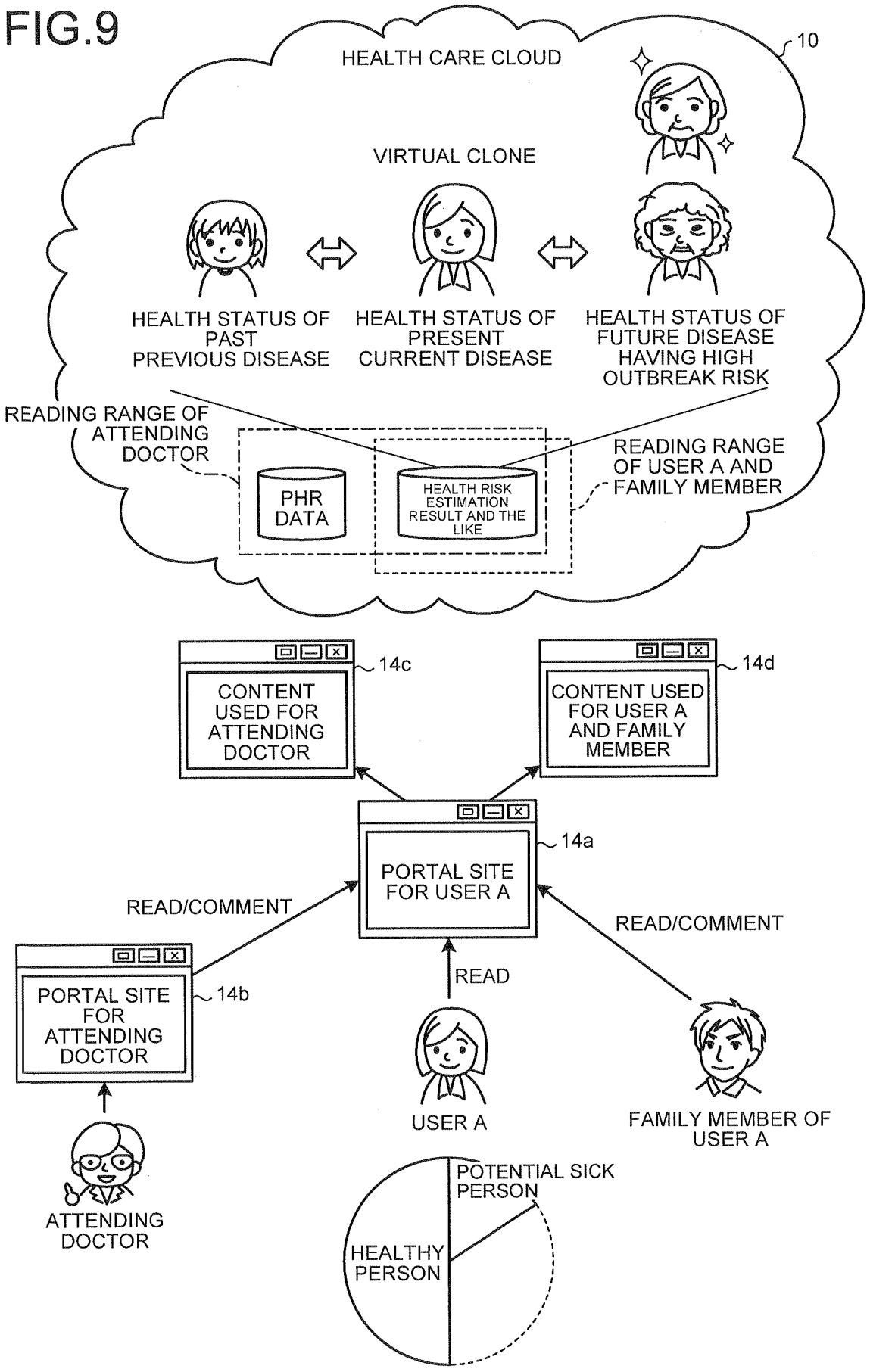

HEALTH CARE CLOUD
10
VIRTUAL CLONE
HEALTH STATUS OF PAST PREVIOUS DISEASE
HEALTH STATUS OF PRESENT CURRENT DISEASE
HEALTH STATUS OF FUTURE DISEASE HAVING HIGH OUTBREAK RISK
READING RANGE OF ATTENDING DOCTOR
PHR DATA
HEALTH RISK ESTIMATION RESULT AND THE LIKE
READING RANGE OF USER A AND FAMILY MEMBER
CONTENT USED FOR ATTENDING DOCTOR
14c
CONTENT USED FOR USER A AND FAMILY MEMBER
14d
PORTAL SITE FOR USER A
14a
READ/COMMENT
READ/COMMENT
PORTAL SITE FOR ATTENDING DOCTOR
14b
READ
ATTENDING DOCTOR
USER A
FAMILY MEMBER OF USER A
POTENTIAL SICK PERSON
HEALTHY PERSON

FIG.10

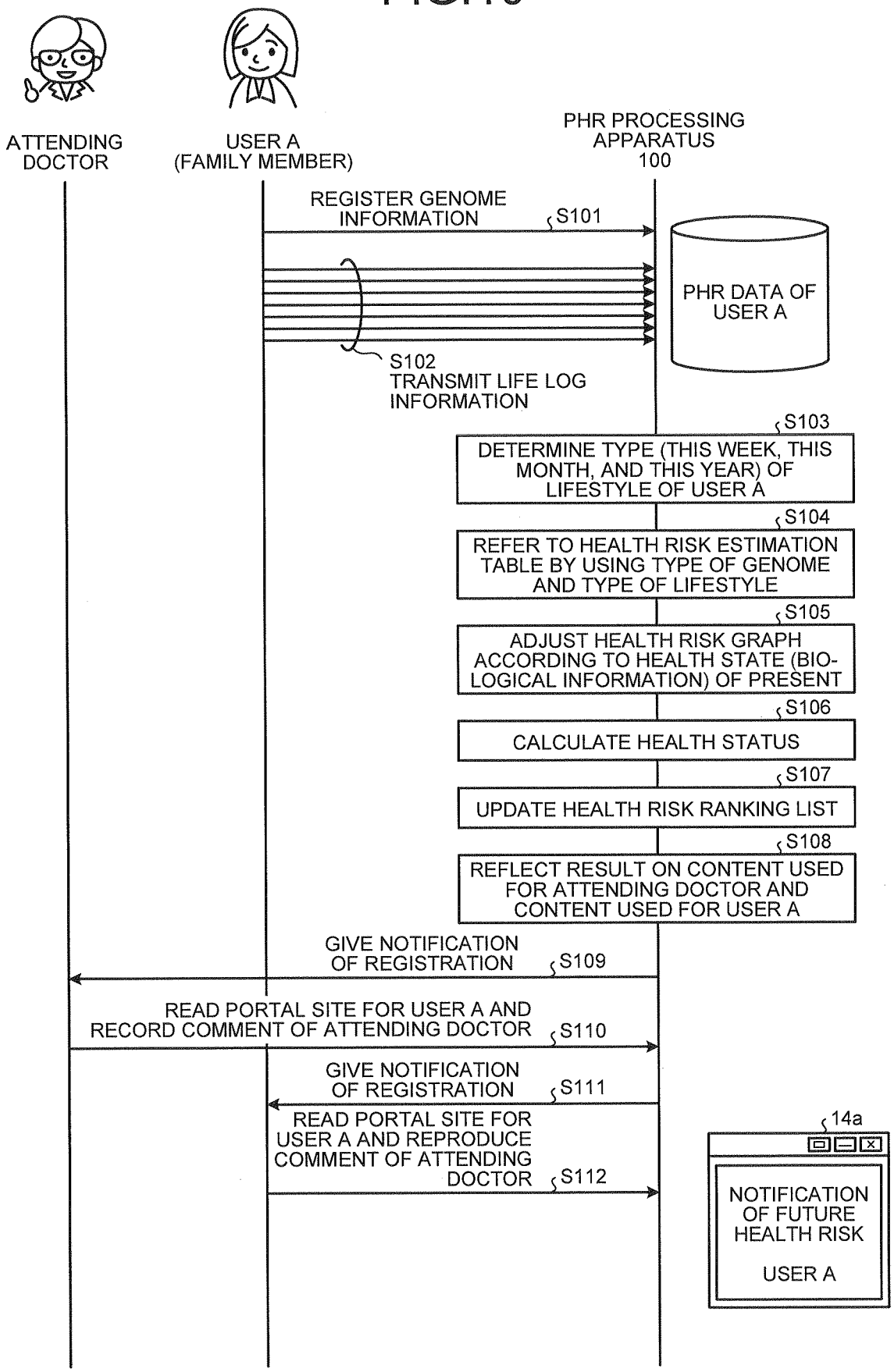

ATTENDING DOCTOR
USER A (FAMILY MEMBER)
PHR PROCESSING APPARATUS 100
REGISTER GENOME INFORMATION
S101
PHR DATA OF USER A
S102
TRANSMIT LIFE LOG INFORMATION
S103
DETERMINE TYPE (THIS WEEK, THIS MONTH, AND THIS YEAR) OF LIFESTYLE OF USER A
S104
REFER TO HEALTH RISK ESTIMATION TABLE BY USING TYPE OF GENOME AND TYPE OF LIFESTYLE
S105
ADJUST HEALTH RISK GRAPH ACCORDING TO HEALTH STATE (BIOLOGICAL INFORMATION) OF PRESENT
S106
CALCULATE HEALTH STATUS
S107
UPDATE HEALTH RISK RANKING LIST
S108
REFLECT RESULT ON CONTENT USED FOR ATTENDING DOCTOR AND CONTENT USED FOR USER A
GIVE NOTIFICATION OF REGISTRATION
S109
READ PORTAL SITE FOR USER A AND RECORD COMMENT OF ATTENDING DOCTOR
S110
GIVE NOTIFICATION OF REGISTRATION
S111
READ PORTAL SITE FOR USER A AND REPRODUCE COMMENT OF ATTENDING DOCTOR
S112
14a
NOTIFICATION OF FUTURE HEALTH RISK
USER A

FIG.11

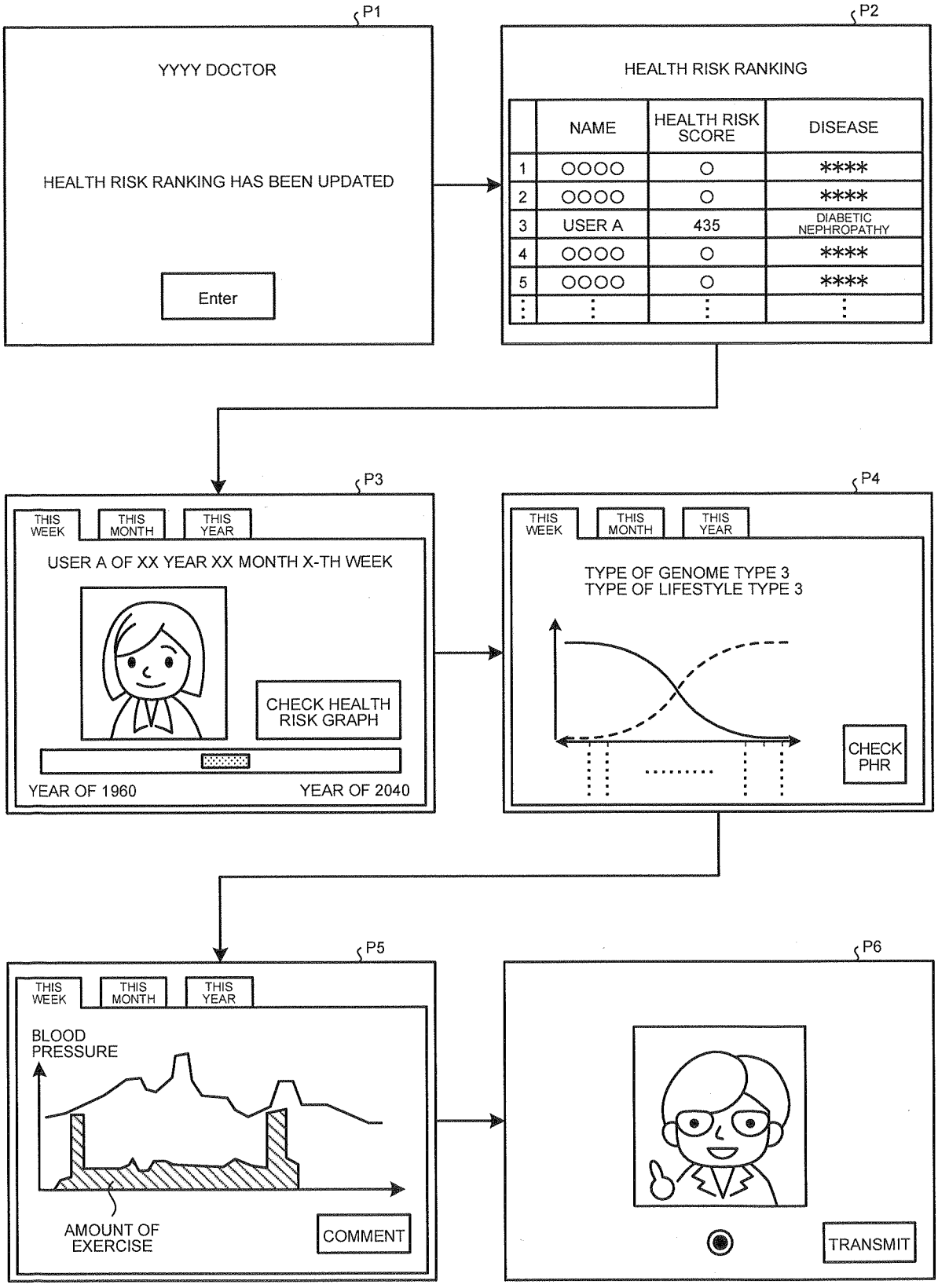

P1
YYYY DOCTOR
HEALTH RISK RANKING HAS BEEN UPDATED
Enter
P2
HEALTH RISK RANKING
NAME
HEALTH RISK SCORE
DISEASE
1 OOOO O ****
2 OOOO O ****
3 USER A 435 DIABETIC NEPHROPATHY
4 OOOO O ****
5 OOOO O ****
P3
THIS WEEK
THIS MONTH
THIS YEAR
USER A OF XX YEAR XX MONTH X-TH WEEK
CHECK HEALTH RISK GRAPH
YEAR OF 1960
YEAR OF 2040
P4
THIS WEEK
THIS MONTH
THIS YEAR
TYPE OF GENOME TYPE 3
TYPE OF LIFESTYLE TYPE 3
CHECK PHR
P5
THIS WEEK
THIS MONTH
THIS YEAR
BLOOD PRESSURE
AMOUNT OF EXERCISE
COMMENT
P6
TRANSMIT

FIG.12

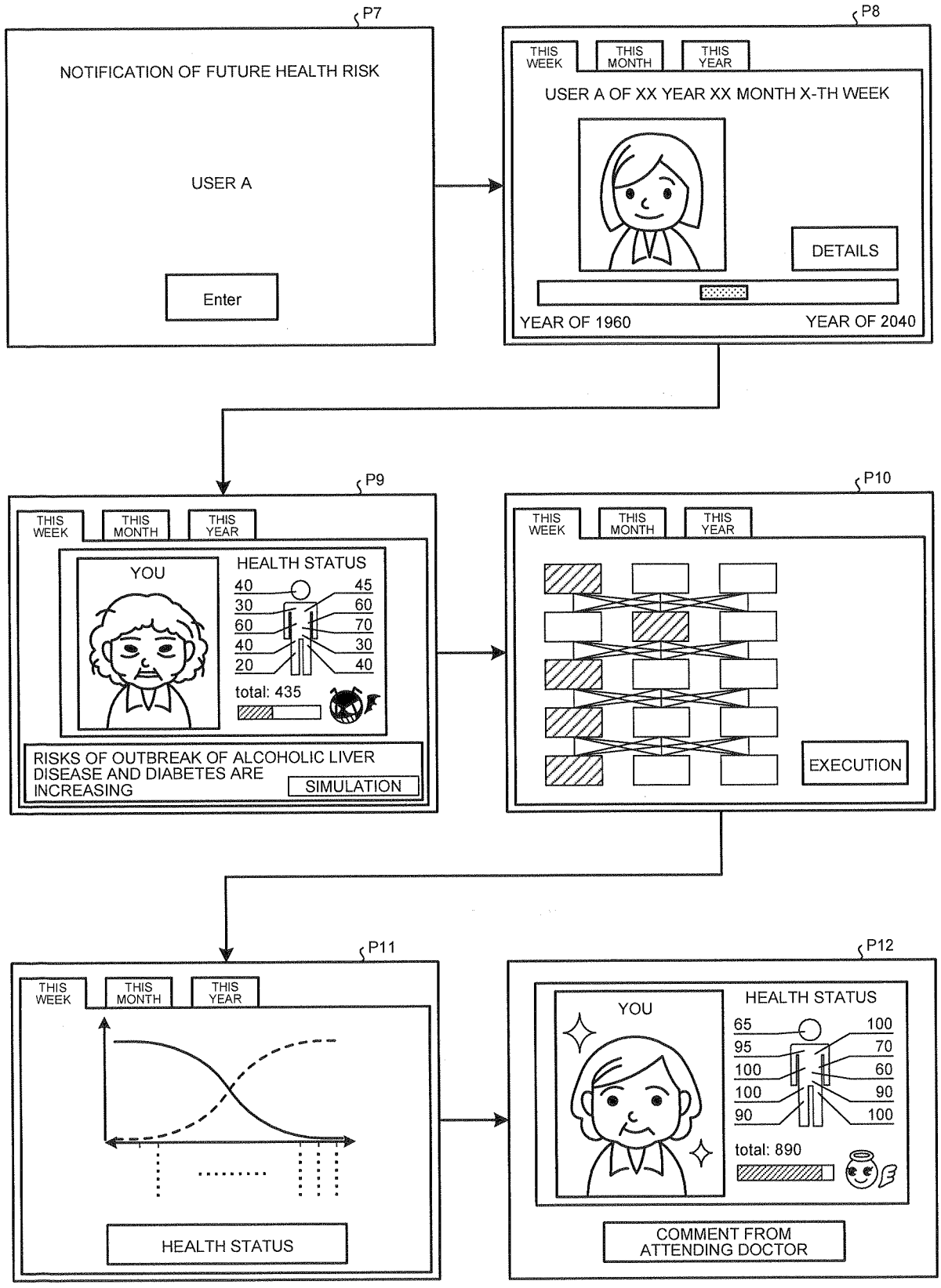

P7
NOTIFICATION OF FUTURE HEALTH RISK
USER A
Enter
P8
THIS WEEK
THIS MONTH
THIS YEAR
USER A OF XX YEAR XX MONTH X-TH WEEK
DETAILS
YEAR OF 1960
YEAR OF 2040
P9
THIS WEEK
THIS MONTH
THIS YEAR
YOU
HEALTH STATUS
40 45
30 60
60 70
40 30
20 40
total: 435
RISKS OF OUTBREAK OF ALCOHOLIC LIVER DISEASE AND DIABETES ARE INCREASING
SIMULATION
P10
THIS WEEK
THIS MONTH
THIS YEAR
EXECUTION
P11
THIS WEEK
THIS MONTH
THIS YEAR
HEALTH STATUS
P12
YOU
HEALTH STATUS
65 100
95 70
100 60
100 90
90 100
total: 890
COMMENT FROM ATTENDING DOCTOR

FIG.13

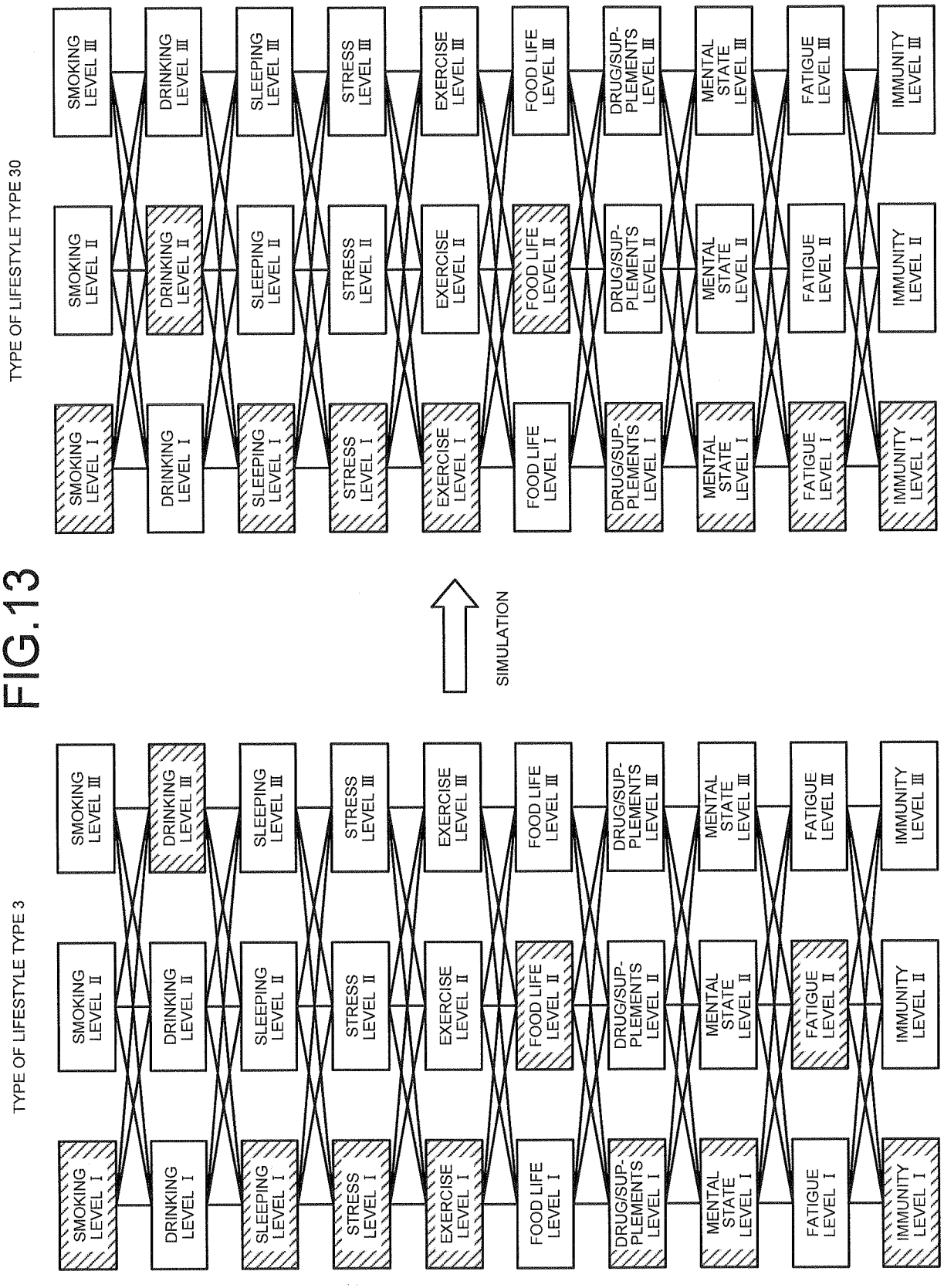

TYPE OF LIFESTYLE TYPE 3
SMOKING LEVEL I
SMOKING LEVEL II
SMOKING LEVEL III
DRINKING LEVEL I
DRINKING LEVEL II
DRINKING LEVEL III
SLEEPING LEVEL I
SLEEPING LEVEL II
SLEEPING LEVEL III
STRESS LEVEL I
STRESS LEVEL II
STRESS LEVEL III
EXERCISE LEVEL I
EXERCISE LEVEL II
EXERCISE LEVEL III
FOOD LIFE LEVEL I
FOOD LIFE LEVEL II
FOOD LIFE LEVEL III
DRUG/SUP-PLEMENTS LEVEL I
DRUG/SUP-PLEMENTS LEVEL II
DRUG/SUP-PLEMENTS LEVEL III
MENTAL STATE LEVEL I
MENTAL STATE LEVEL II
MENTAL STATE LEVEL III
FATIGUE LEVEL I
FATIGUE LEVEL II
FATIGUE LEVEL III
IMMUNITY LEVEL I
IMMUNITY LEVEL II
IMMUNITY LEVEL III
SIMULATION
TYPE OF LIFESTYLE TYPE 30

FIG.14

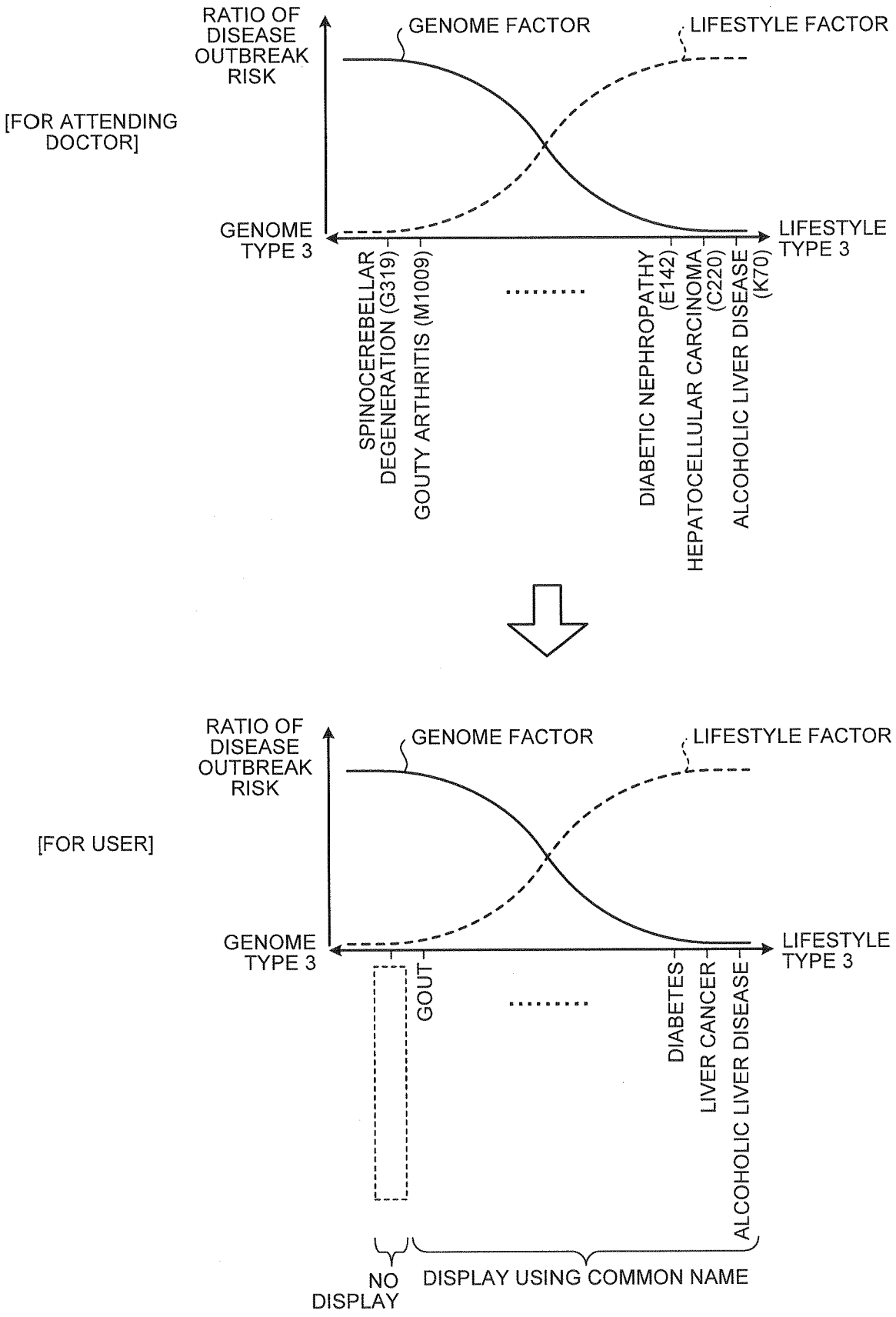

[FOR ATTENDING DOCTOR]
RATIO OF DISEASE OUTBREAK RISK
GENOME FACTOR
LIFESTYLE FACTOR
GENOME TYPE 3
LIFESTYLE TYPE 3
SPINOCEREBELLAR DEGENERATION (G319)
GOUTY ARTHRITIS (M1009)
DIABETIC NEPHROPATHY (E142)
HEPATOCELLULAR CARCINOMA (C220)
ALCOHOLIC LIVER DISEASE (K70)
[FOR USER]
RATIO OF DISEASE OUTBREAK RISK
GENOME FACTOR
LIFESTYLE FACTOR
GENOME TYPE 3
LIFESTYLE TYPE 3
GOUT
DIABETES
LIVER CANCER
ALCOHOLIC LIVER DISEASE
NO DISPLAY
DISPLAY USING COMMON NAME

FIG.15

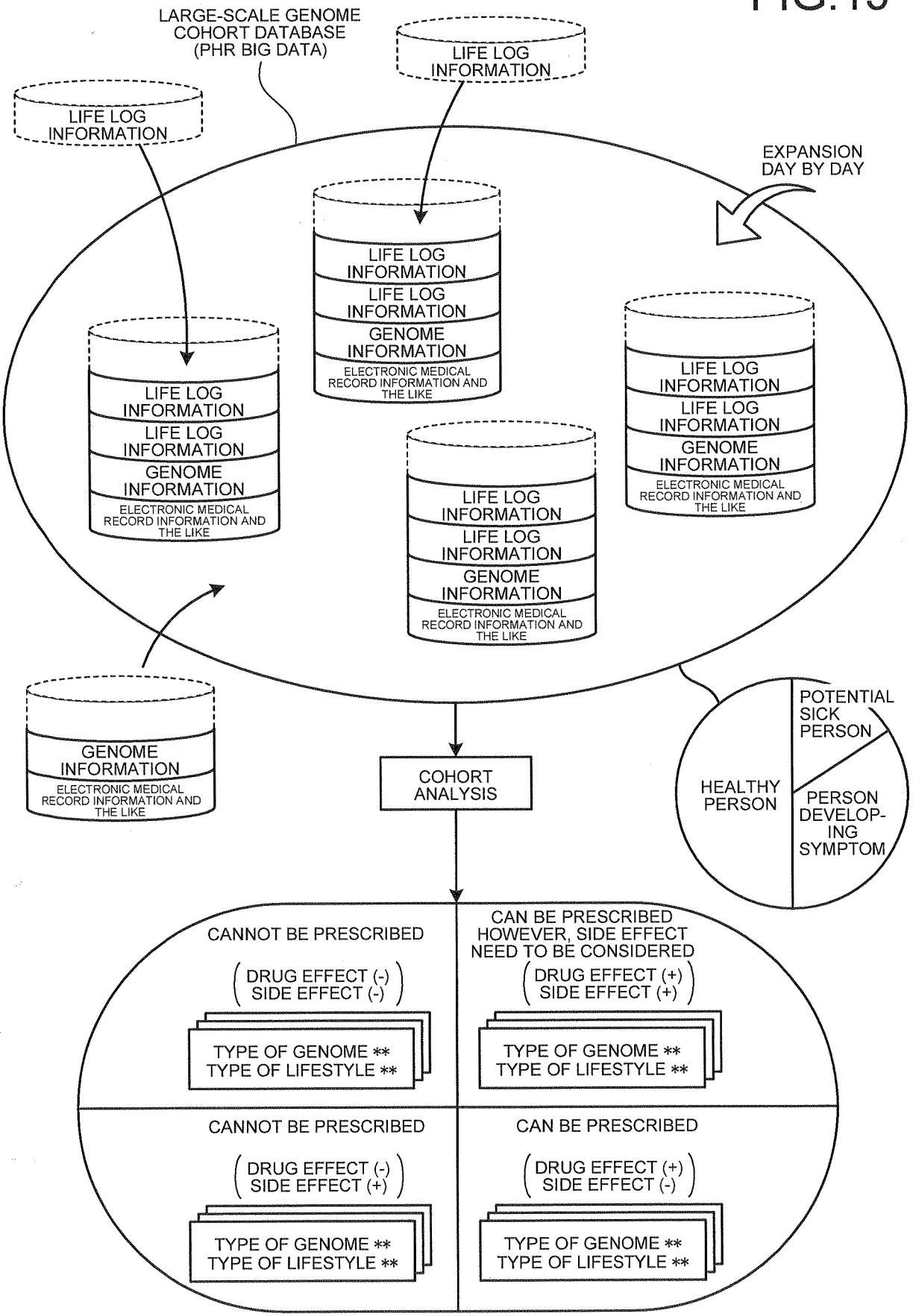

LARGE-SCALE GENOME COHORT DATABASE (PHR BIG DATA)
LIFE LOG INFORMATION
LIFE LOG INFORMATION
EXPANSION DAY BY DAY
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
COHORT ANALYSIS
POTENTIAL SICK PERSON
HEALTHY PERSON
PERSON DEVELOP-ING SYMPTOM
CANNOT BE PRESCRIBED
(DRUG EFFECT (-) SIDE EFFECT (-))
TYPE OF GENOME ** TYPE OF LIFESTYLE **
CAN BE PRESCRIBED HOWEVER, SIDE EFFECT NEED TO BE CONSIDERED
(DRUG EFFECT (+) SIDE EFFECT (+))
TYPE OF GENOME ** TYPE OF LIFESTYLE **
CANNOT BE PRESCRIBED
(DRUG EFFECT (-) SIDE EFFECT (+))
TYPE OF GENOME ** TYPE OF LIFESTYLE **
CAN BE PRESCRIBED
(DRUG EFFECT (+) SIDE EFFECT (-))
TYPE OF GENOME ** TYPE OF LIFESTYLE **

FIG. 16

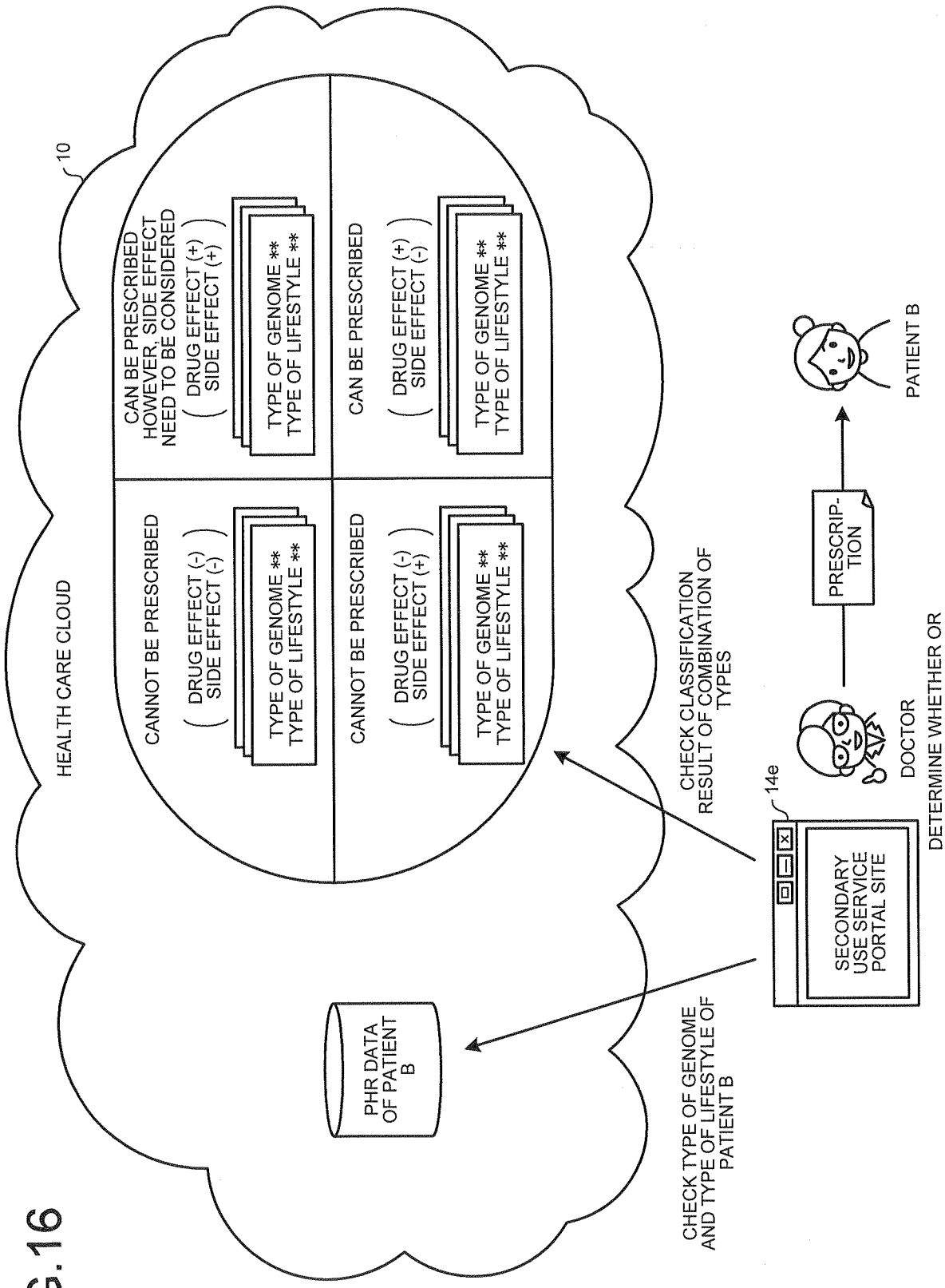

HEALTH CARE CLOUD
10
CANNOT BE PRESCRIBED
(DRUG EFFECT (-) SIDE EFFECT (-))
TYPE OF GENOME **
TYPE OF LIFESTYLE **
CAN BE PRESCRIBED HOWEVER, SIDE EFFECT NEED TO BE CONSIDERED
(DRUG EFFECT (+) SIDE EFFECT (+))
TYPE OF GENOME **
TYPE OF LIFESTYLE **
CANNOT BE PRESCRIBED
(DRUG EFFECT (-) SIDE EFFECT (+))
TYPE OF GENOME **
TYPE OF LIFESTYLE **
CAN BE PRESCRIBED
(DRUG EFFECT (+) SIDE EFFECT (-))
TYPE OF GENOME **
TYPE OF LIFESTYLE **
PHR DATA OF PATIENT B
CHECK TYPE OF GENOME AND TYPE OF LIFESTYLE OF PATIENT B
CHECK CLASSIFICATION RESULT OF COMBINATION OF TYPES
14e
SECONDARY USE SERVICE PORTAL SITE
DOCTOR
DETERMINE WHETHER OR NOT DRUG CAN BE PRESCRIBED
PRESCRIP-TION
PATIENT B

FIG.17

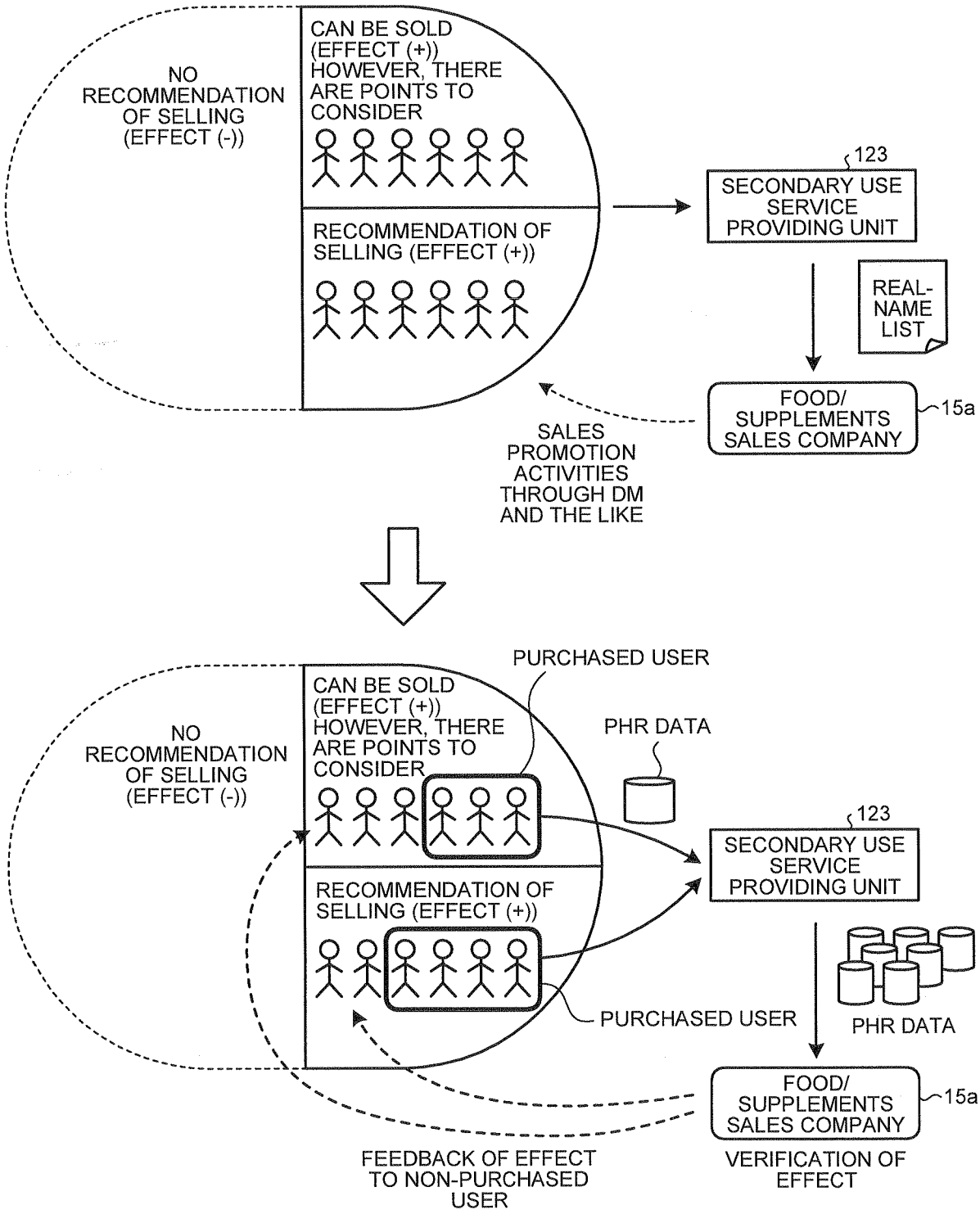

NO RECOMMENDATION OF SELLING (EFFECT (-))
CAN BE SOLD (EFFECT (+)) HOWEVER, THERE ARE POINTS TO CONSIDER
RECOMMENDATION OF SELLING (EFFECT (+))
123
SECONDARY USE SERVICE PROVIDING UNIT
REAL-NAME LIST
FOOD/ SUPPLEMENTS SALES COMPANY
15a
SALES PROMOTION ACTIVITIES THROUGH DM AND THE LIKE
PURCHASED USER
PHR DATA
NO RECOMMENDATION OF SELLING (EFFECT (-))
CAN BE SOLD (EFFECT (+)) HOWEVER, THERE ARE POINTS TO CONSIDER
RECOMMENDATION OF SELLING (EFFECT (+))
123
SECONDARY USE SERVICE PROVIDING UNIT
PURCHASED USER
PHR DATA
FOOD/ SUPPLEMENTS SALES COMPANY
15a
FEEDBACK OF EFFECT TO NON-PURCHASED USER
VERIFICATION OF EFFECT

FIG.18

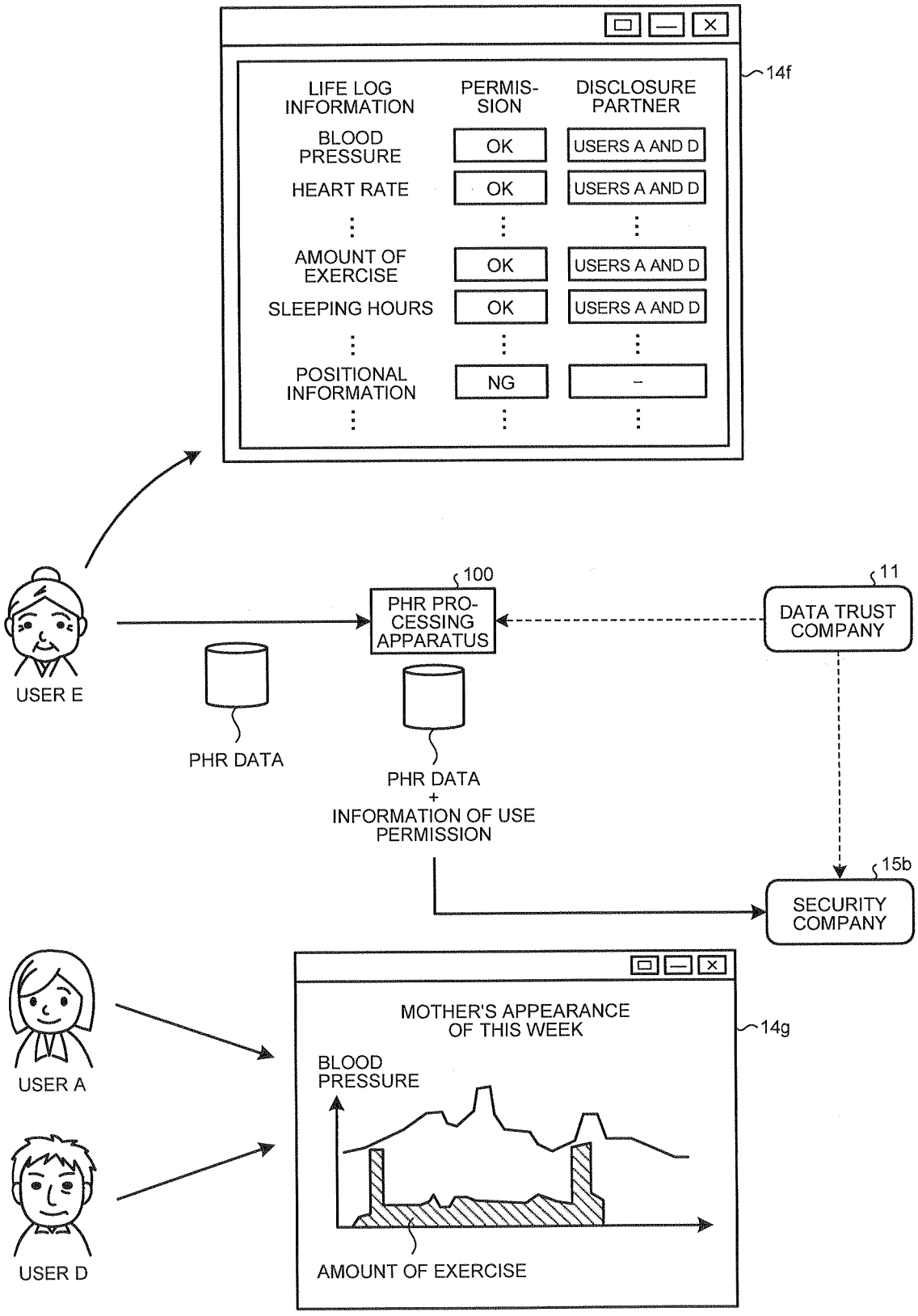

LIFE LOG INFORMATION
PERMISSION
DISCLOSURE PARTNER
BLOOD PRESSURE
OK
USERS A AND D
HEART RATE
OK
USERS A AND D
AMOUNT OF EXERCISE
OK
USERS A AND D
SLEEPING HOURS
OK
USERS A AND D
POSITIONAL INFORMATION
NG
–
14f
USER E
100
PHR PROCESSING APPARATUS
11
DATA TRUST COMPANY
PHR DATA
PHR DATA + INFORMATION OF USE PERMISSION
15b
SECURITY COMPANY
USER A
USER D
MOTHER'S APPEARANCE OF THIS WEEK
BLOOD PRESSURE
AMOUNT OF EXERCISE
14g

FIG.19

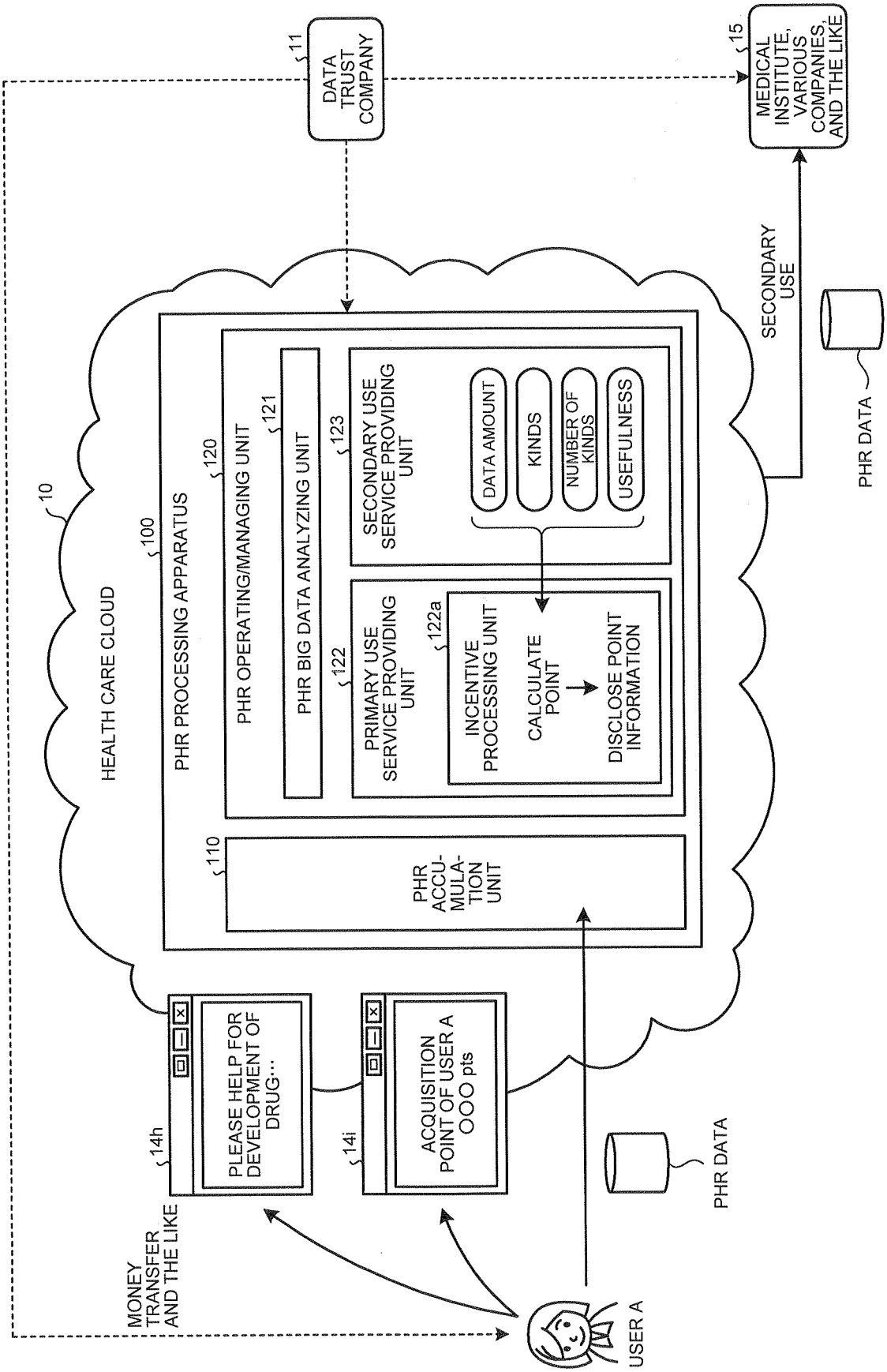

10
HEALTH CARE CLOUD
100
PHR PROCESSING APPARATUS
110
PHR ACCU-MULA-TION UNIT
120
PHR OPERATING/MANAGING UNIT
121
PHR BIG DATA ANALYZING UNIT
122
PRIMARY USE SERVICE PROVIDING UNIT
122a
INCENTIVE PROCESSING UNIT
CALCULATE POINT
DISCLOSE POINT INFORMATION
123
SECONDARY USE SERVICE PROVIDING UNIT
DATA AMOUNT
KINDS
NUMBER OF KINDS
USEFULNESS
11
DATA TRUST COMPANY
15
MEDICAL INSTITUTE, VARIOUS COMPANIES, AND THE LIKE
SECONDARY USE
PHR DATA
14h
PLEASE HELP FOR DEVELOPMENT OF DRUG...
14i
ACQUISITION POINT OF USER A OOO pts
PHR DATA
MONEY TRANSFER AND THE LIKE
USER A

FIG.20

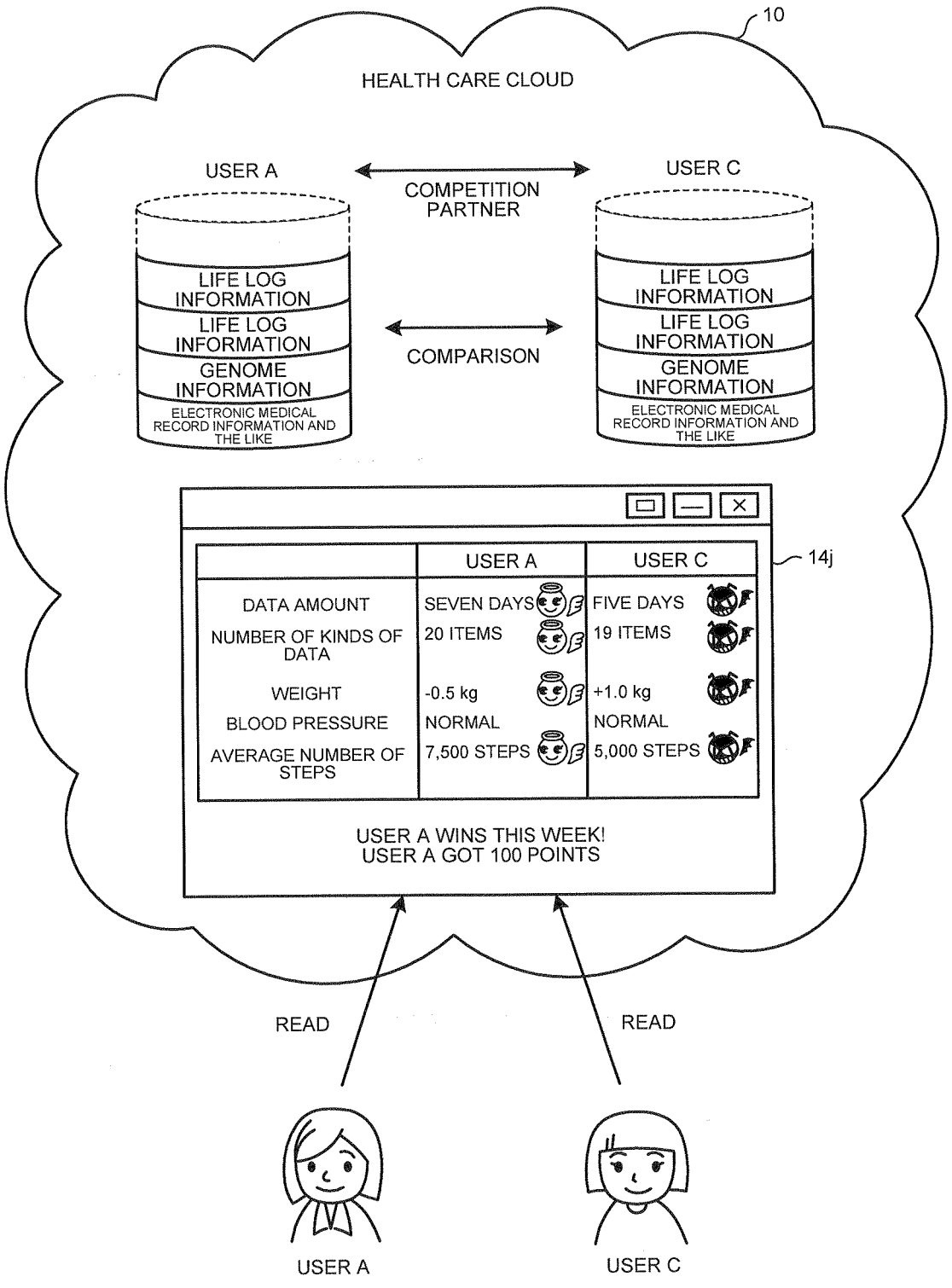

10
HEALTH CARE CLOUD
USER A
COMPETITION PARTNER
USER C
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
COMPARISON
LIFE LOG INFORMATION
LIFE LOG INFORMATION
GENOME INFORMATION
ELECTRONIC MEDICAL RECORD INFORMATION AND THE LIKE
14j
USER A
USER C
DATA AMOUNT
SEVEN DAYS
FIVE DAYS
NUMBER OF KINDS OF DATA
20 ITEMS
19 ITEMS
WEIGHT
-0.5 kg
+1.0 kg
BLOOD PRESSURE
NORMAL
NORMAL
AVERAGE NUMBER OF STEPS
7,500 STEPS
5,000 STEPS
USER A WINS THIS WEEK!
USER A GOT 100 POINTS
READ
READ
USER A
USER C

FIG.21A

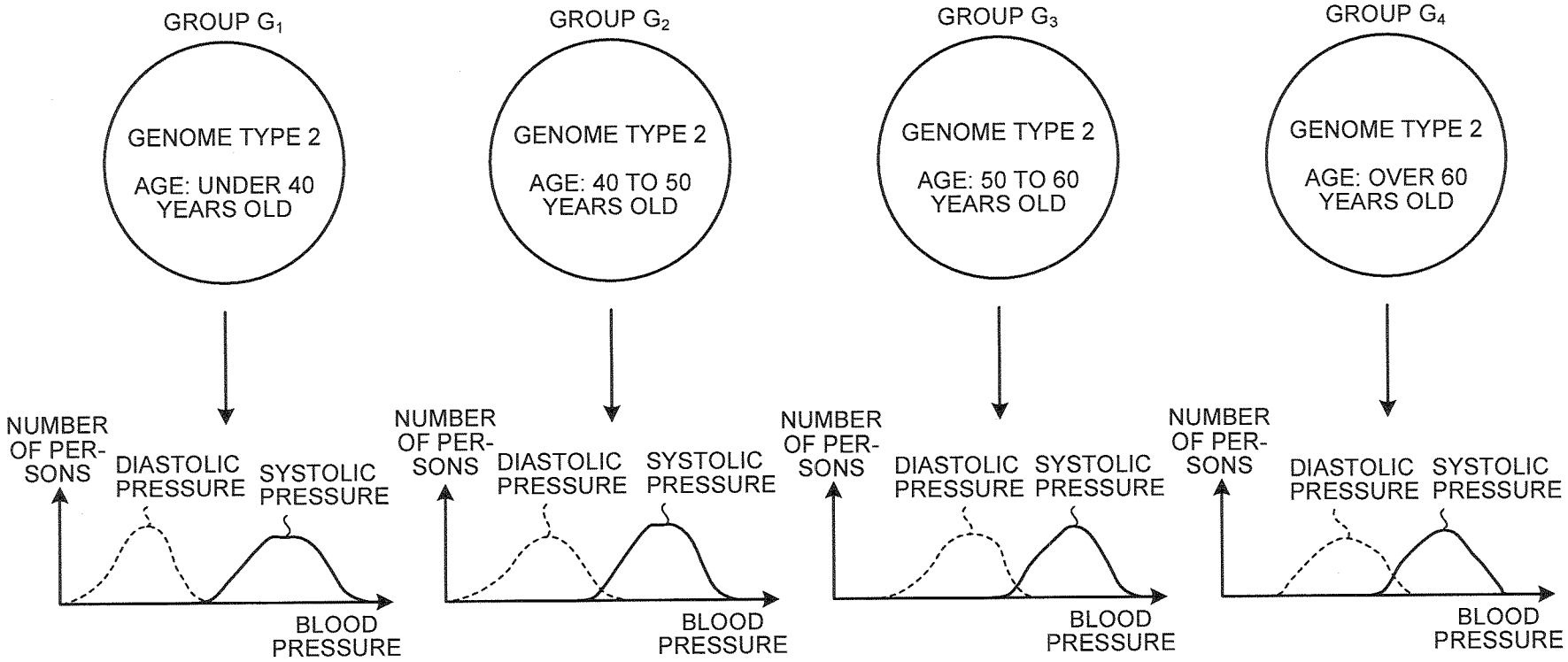

GROUP G_1
GENOME TYPE 2
AGE: UNDER 40 YEARS OLD
NUMBER OF PER-SONS
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE
GROUP G_2
GENOME TYPE 2
AGE: 40 TO 50 YEARS OLD
NUMBER OF PER-SONS
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE
GROUP G_3
GENOME TYPE 2
AGE: 50 TO 60 YEARS OLD
NUMBER OF PER-SONS
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE
GROUP G_4
GENOME TYPE 2
AGE: OVER 60 YEARS OLD
NUMBER OF PER-SONS
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE

FIG.21B

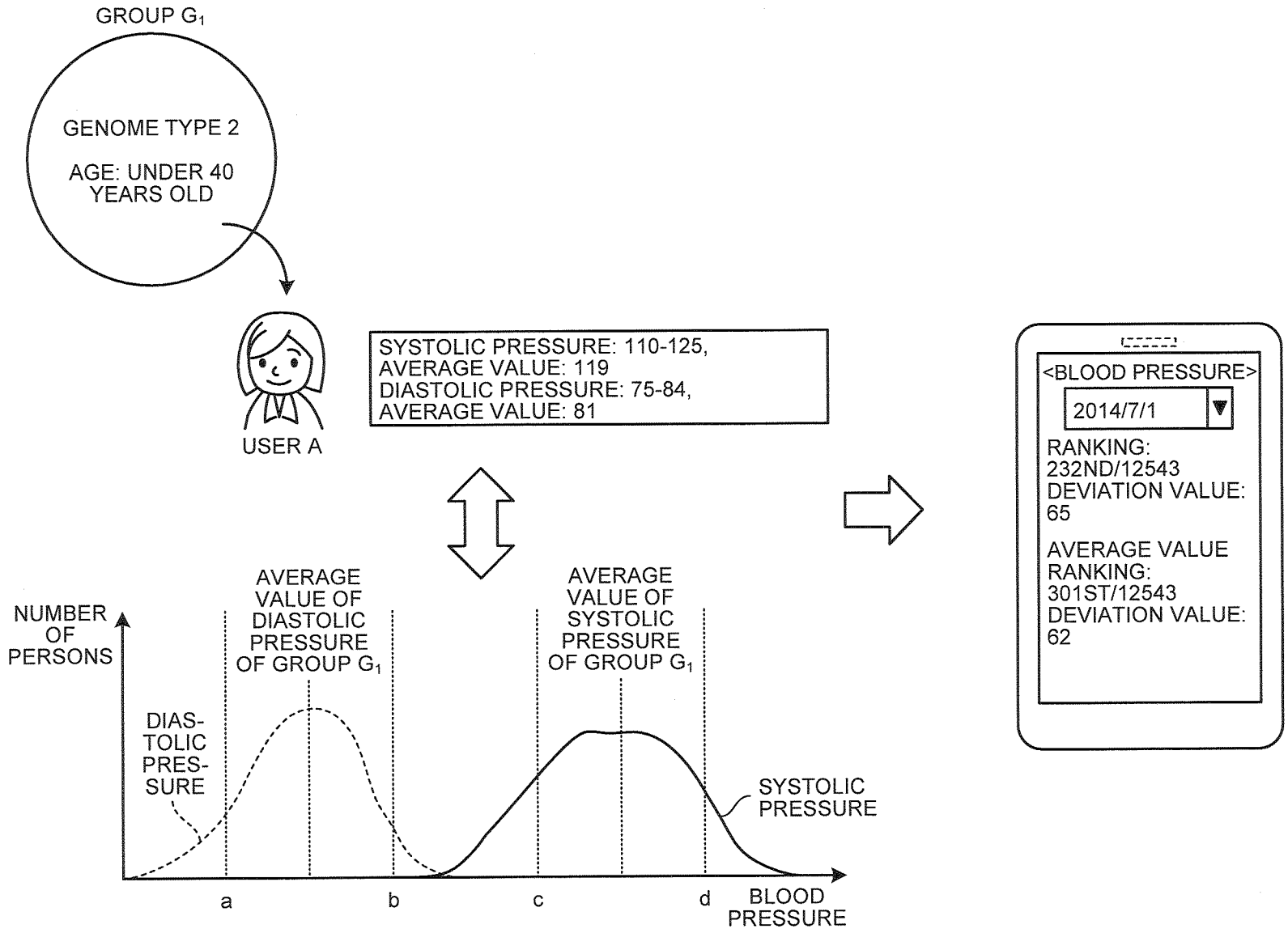

GROUP G_1
GENOME TYPE 2
AGE: UNDER 40 YEARS OLD
USER A
SYSTOLIC PRESSURE: 110-125,
AVERAGE VALUE: 119
DIASTOLIC PRESSURE: 75-84,
AVERAGE VALUE: 81
NUMBER OF PERSONS
AVERAGE VALUE OF DIASTOLIC PRESSURE OF GROUP G_1
AVERAGE VALUE OF SYSTOLIC PRESSURE OF GROUP G_1
DIAS-TOLIC PRES-SURE
SYSTOLIC PRESSURE
a
b
c
d
BLOOD PRESSURE
<BLOOD PRESSURE>
2014/7/1
RANKING: 232ND/12543
DEVIATION VALUE: 65
AVERAGE VALUE RANKING: 301ST/12543
DEVIATION VALUE: 62

FIG.22

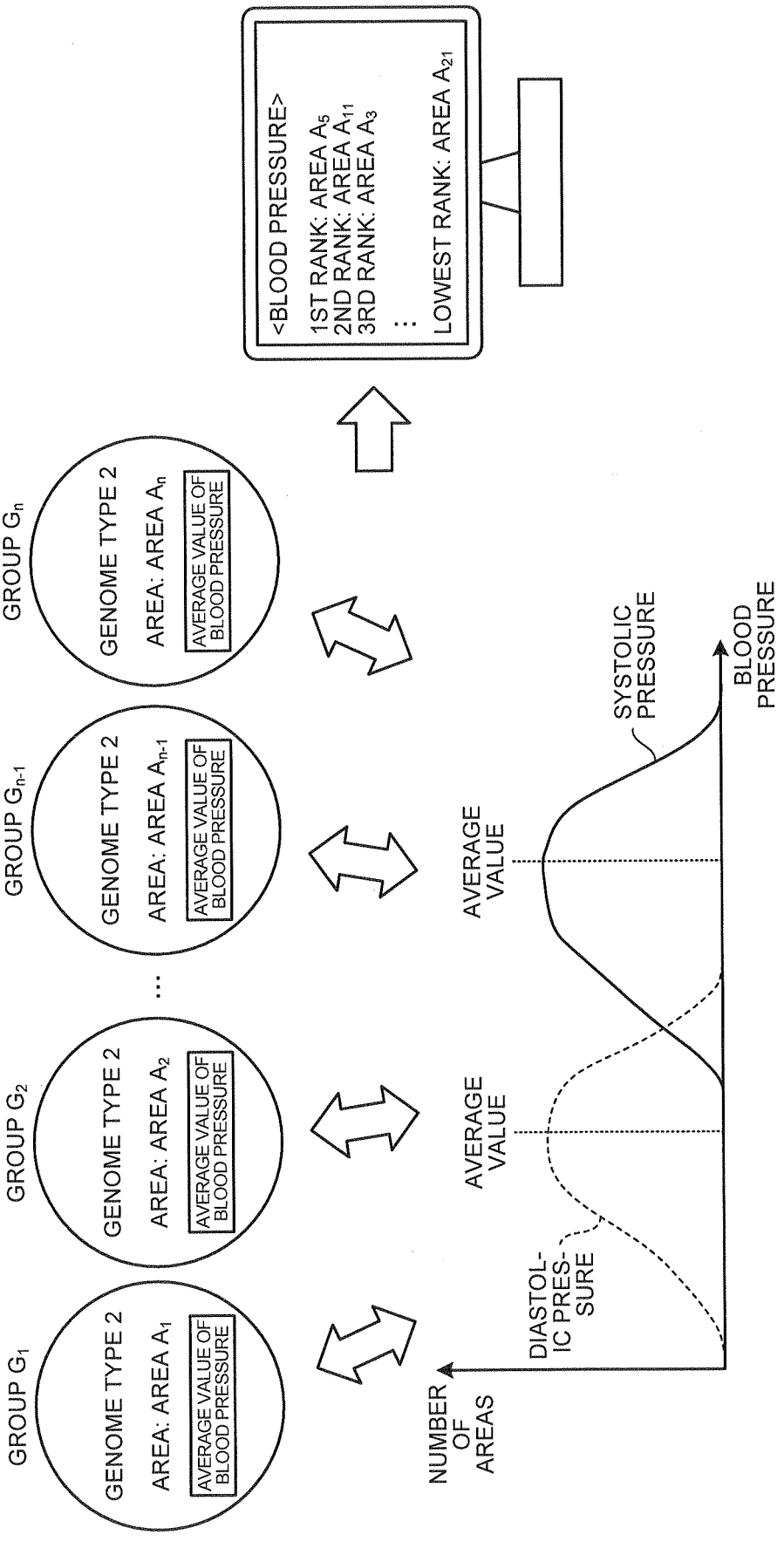

GROUP G_1
GENOME TYPE 2
AREA: AREA A_1
AVERAGE VALUE OF BLOOD PRESSURE
GROUP G_2
GENOME TYPE 2
AREA: AREA A_2
AVERAGE VALUE OF BLOOD PRESSURE
...
GROUP G_{n-1}
GENOME TYPE 2
AREA: AREA A_{n-1}
AVERAGE VALUE OF BLOOD PRESSURE
GROUP G_n
GENOME TYPE 2
AREA: AREA A_n
AVERAGE VALUE OF BLOOD PRESSURE
<BLOOD PRESSURE>
1ST RANK: AREA A_5
2ND RANK: AREA A_{11}
3RD RANK: AREA A_3
...
LOWEST RANK: AREA A_{21}
NUMBER OF AREAS
AVERAGE VALUE
AVERAGE VALUE
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE

FIG.23A

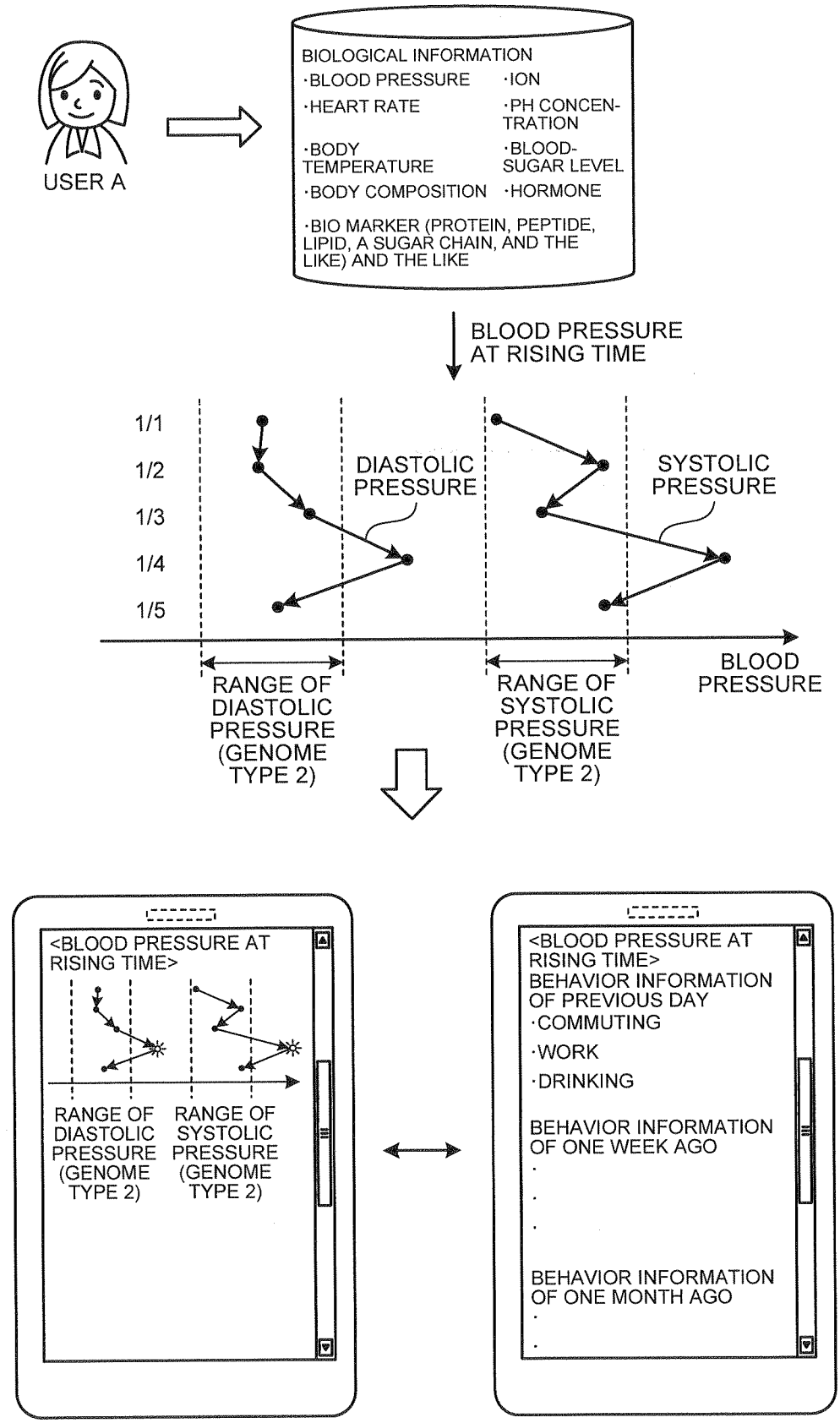

USER A
BIOLOGICAL INFORMATION
·BLOOD PRESSURE
·ION
·HEART RATE
·PH CONCENTRATION
·BODY TEMPERATURE
·BLOOD-SUGAR LEVEL
·BODY COMPOSITION
·HORMONE
·BIO MARKER (PROTEIN, PEPTIDE, LIPID, A SUGAR CHAIN, AND THE LIKE) AND THE LIKE
BLOOD PRESSURE AT RISING TIME
1/1
1/2
1/3
1/4
1/5
DIASTOLIC PRESSURE
SYSTOLIC PRESSURE
BLOOD PRESSURE
RANGE OF DIASTOLIC PRESSURE (GENOME TYPE 2)
RANGE OF SYSTOLIC PRESSURE (GENOME TYPE 2)
<BLOOD PRESSURE AT RISING TIME>
RANGE OF DIASTOLIC PRESSURE (GENOME TYPE 2)
RANGE OF SYSTOLIC PRESSURE (GENOME TYPE 2)
<BLOOD PRESSURE AT RISING TIME>
BEHAVIOR INFORMATION OF PREVIOUS DAY
·COMMUTING
·WORK
·DRINKING
BEHAVIOR INFORMATION OF ONE WEEK AGO
BEHAVIOR INFORMATION OF ONE MONTH AGO

FIG.23B

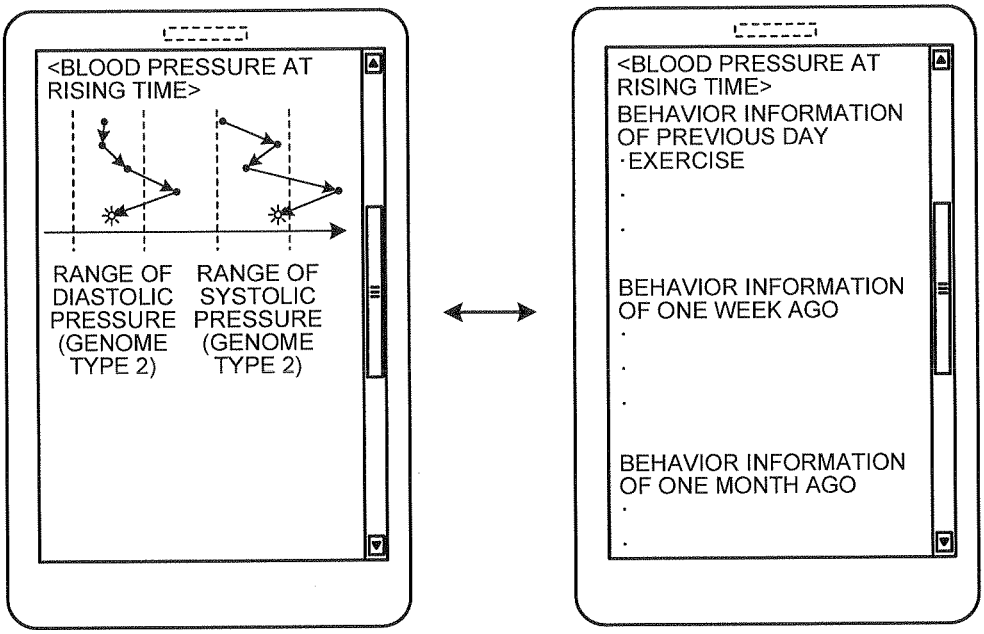

<BLOOD PRESSURE AT RISING TIME>
RANGE OF DIASTOLIC PRESSURE (GENOME TYPE 2)
RANGE OF SYSTOLIC PRESSURE (GENOME TYPE 2)
<BLOOD PRESSURE AT RISING TIME>
BEHAVIOR INFORMATION OF PREVIOUS DAY
·EXERCISE
BEHAVIOR INFORMATION OF ONE WEEK AGO
BEHAVIOR INFORMATION OF ONE MONTH AGO

FIG.24A

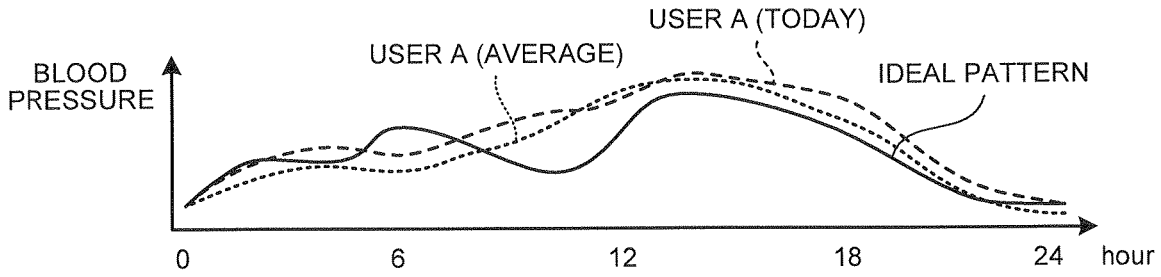


FIG.24B

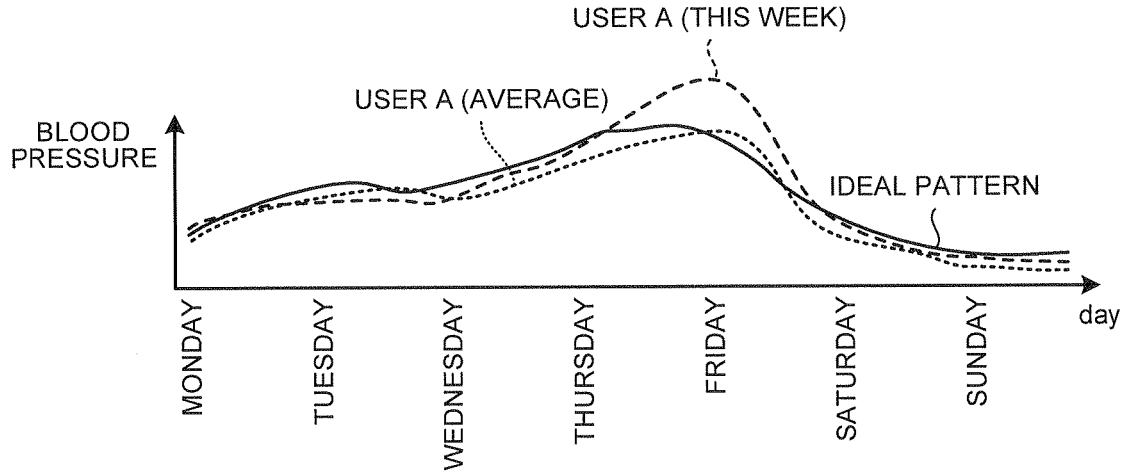


FIG.24C

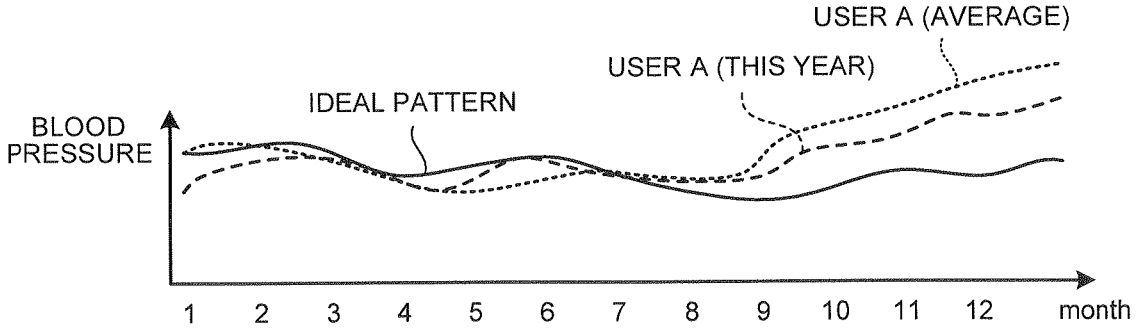


FIG.25

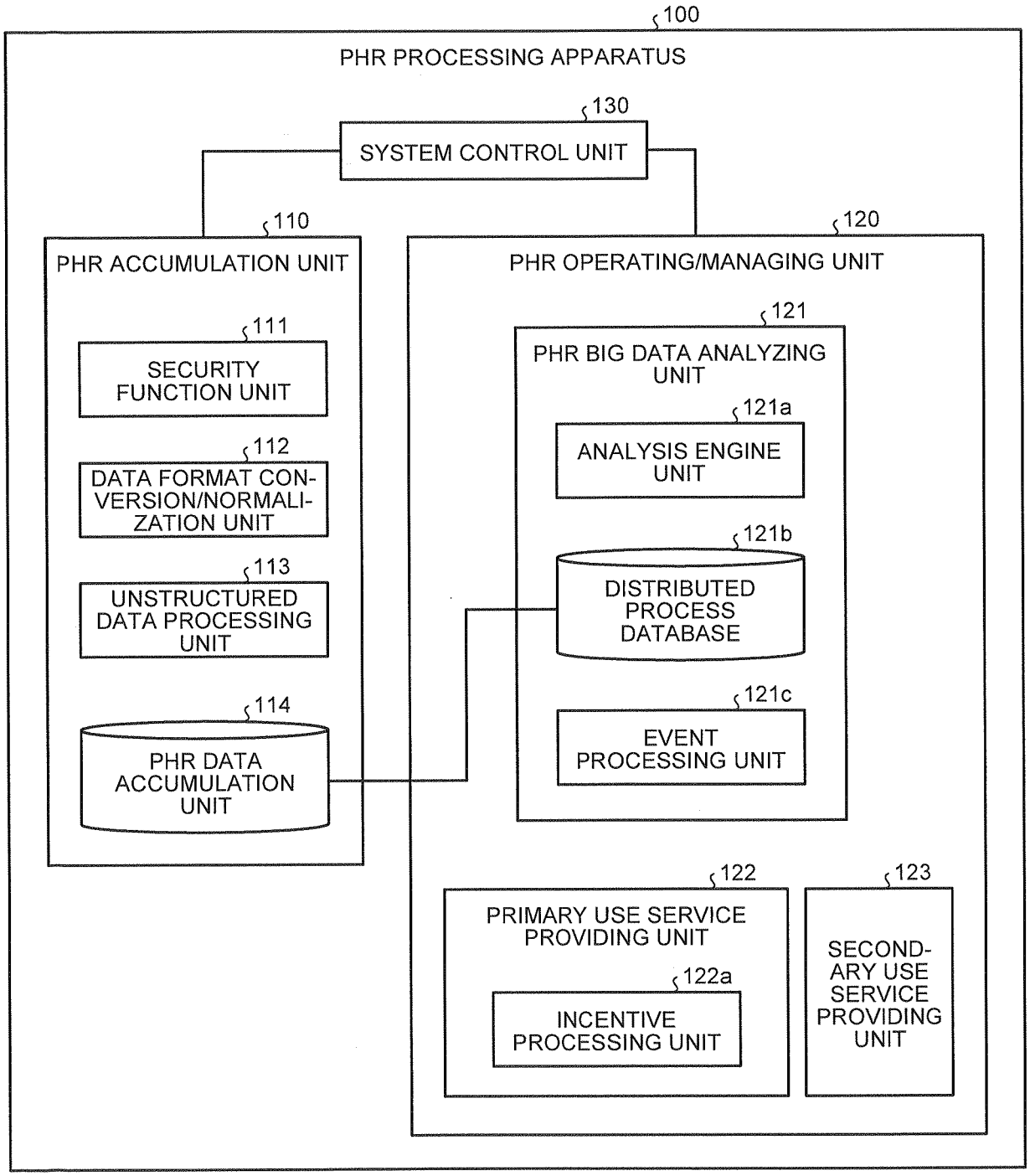

100
PHR PROCESSING APPARATUS
130
SYSTEM CONTROL UNIT
110
PHR ACCUMULATION UNIT
120
PHR OPERATING/MANAGING UNIT
111
SECURITY FUNCTION UNIT
112
DATA FORMAT CONVERSION/NORMALIZATION UNIT
113
UNSTRUCTURED DATA PROCESSING UNIT
114
PHR DATA ACCUMULATION UNIT
121
PHR BIG DATA ANALYZING UNIT
121a
ANALYSIS ENGINE UNIT
121b
DISTRIBUTED PROCESS DATABASE
121c
EVENT PROCESSING UNIT
122
PRIMARY USE SERVICE PROVIDING UNIT
122a
INCENTIVE PROCESSING UNIT
123
SECONDARY USE SERVICE PROVIDING UNIT

FIG.26

