

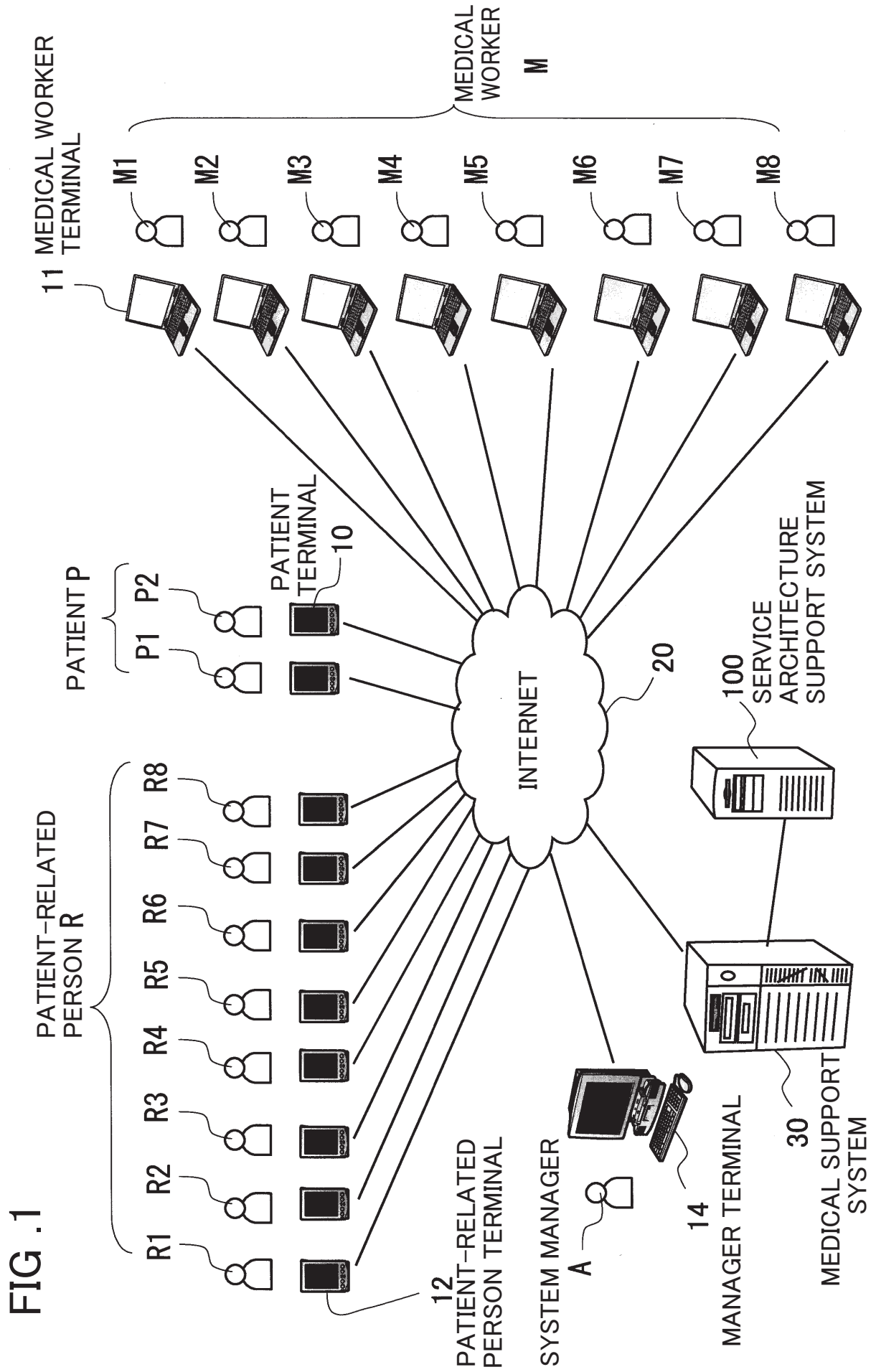
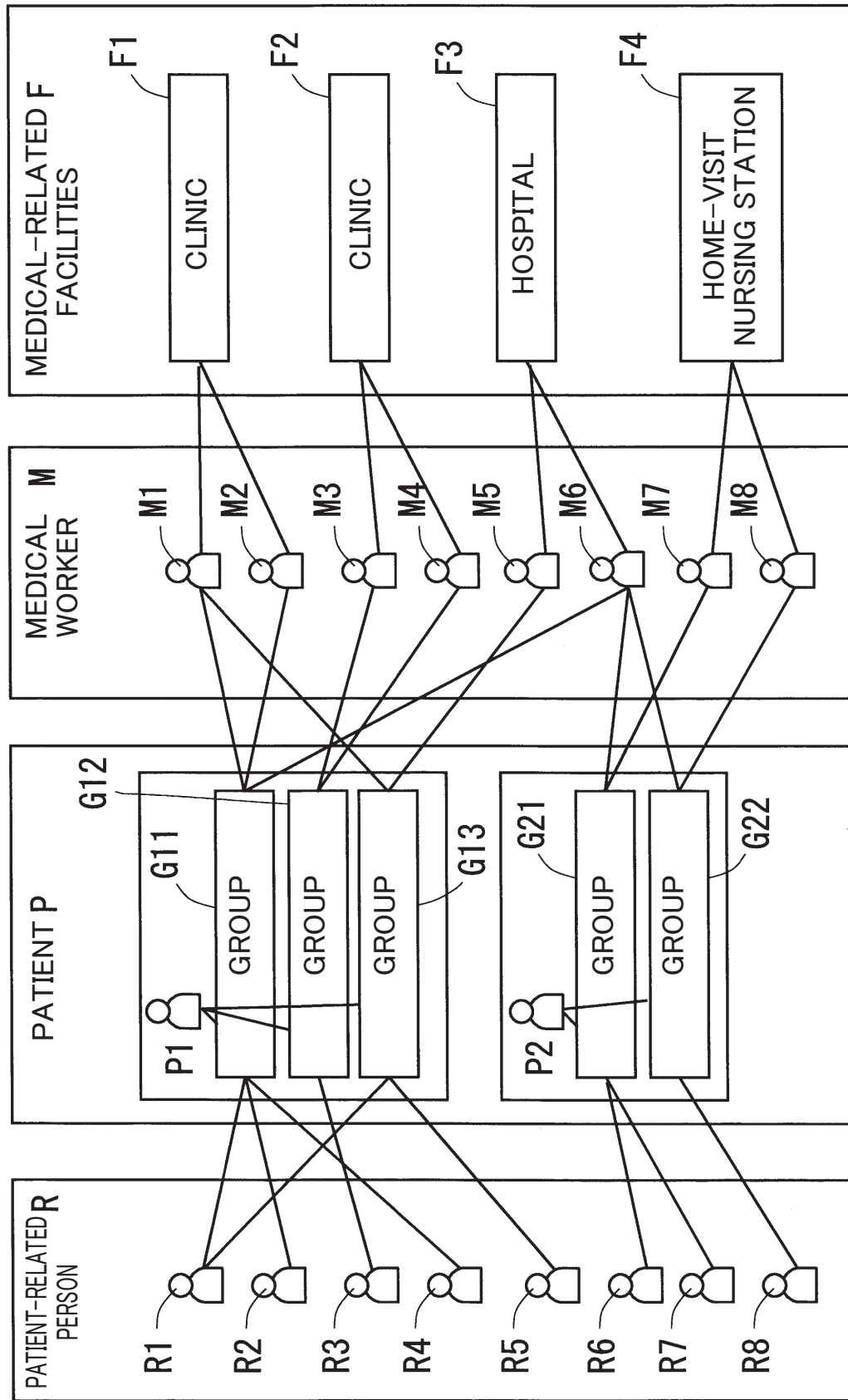


FIG .2

CORRELATION BETWEEN MEDICAL SUPPORT SERVICE USERS



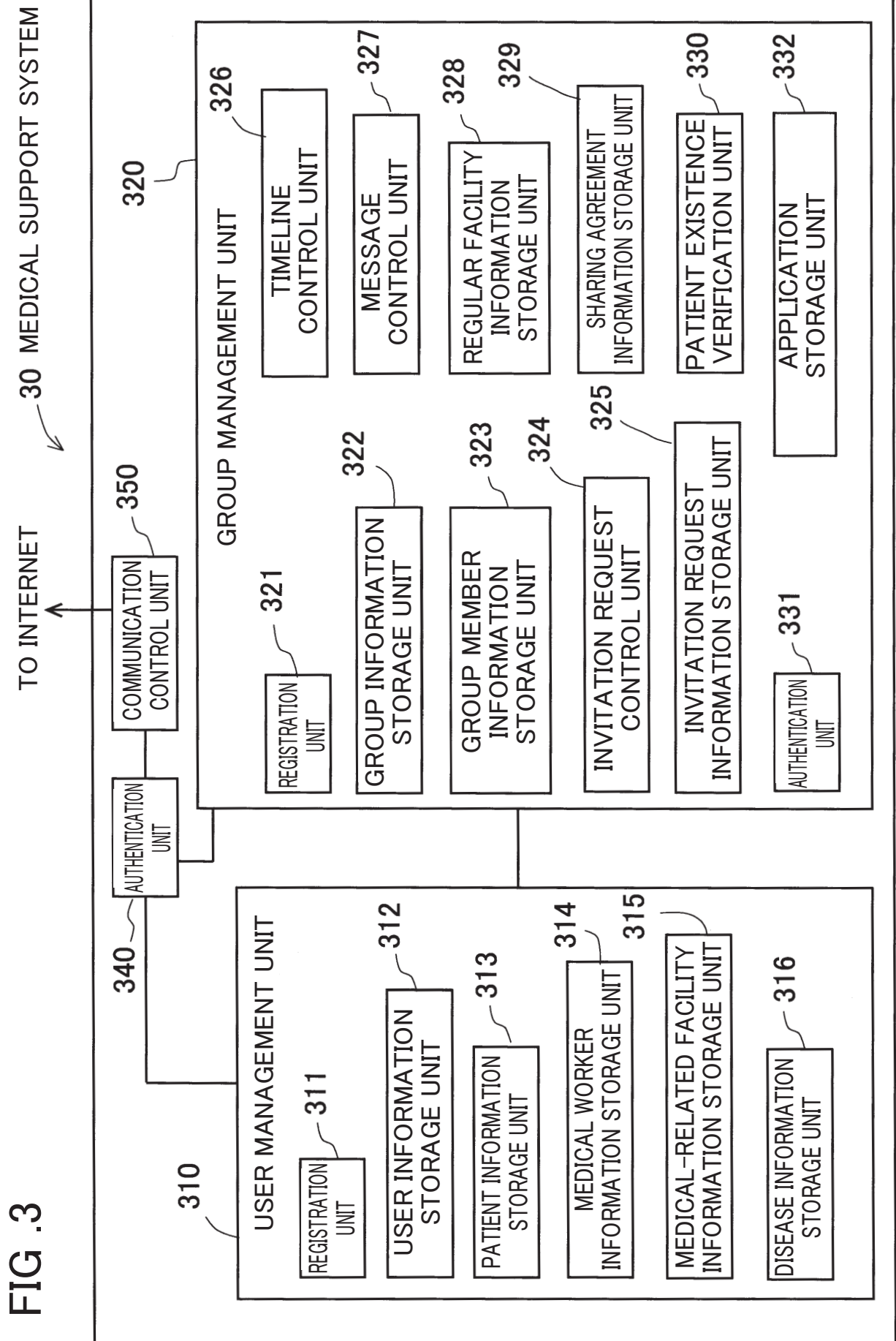


FIG. 4

USER TABLE

USER ID	LOGIN ID	PASSWORD	REGISTRATION DATE	STATUS
100	sumida@test.com	tKswU8yq	2012/12/10	ENABLED
200	ogura@test.com	fvXEd5Re	2012/11/20	ENABLED
300	yamada@test.com	acD1V5tp	2012/12/25	ENABLED

(a)

PATIENT TABLE

PATIENT ID	USER ID	PATIENT NAME	GENDER	BIRTH DATE	MAIL ADDRESS	ADDRESS	TELEPHONE NUMBER
1	100	HISAE SUMIDA	FEMALE	1945/7/18	sumida@test.com	1-2-3 CHUO-CHO, MEGURO-KU	03-1234-5678

(b)

MEDICAL WORKER TABLE

MEDICAL ID	USER ID	MEDICAL-RELATED FACILITY ID	MEDIC NAME	GENDER	BIRTH DATE	PROFESSOR
1	200	1000	TARO OGURA	MALE	1963/8/5	DOCTOR

(c)

MEDICAL-RELATED FACILITY TABLE

MEDICAL-RELATED FACILITY ID	FACILITY NAME	FACILITY TYPE	MEDICAL DEPARTMENT	ADDRESS	TELEPHONE NUMBER
1000	YAMADA CLINIC	MEDICAL CLINIC	INTERNAL MEDICINE, SURGERY, PSYCHOSOMATIC MEDICINE, PSYCHIATRY	1-2-3 OTEMACHI, YAMADA-KU	03-2345-6789

(d)

HP	CONSULTATION TIME	REGISTRATION
http://www.yamada-hp.xxx	WEEKDAYS: 10:00 TO 18:00 CLOSED: SUNDAYS AND PUBLIC HOLIDAYS	MONZEN NAKAMACHI

FIG .5

MEDICAL-RELATED FACILITY PATIENT TABLE

MEDICAL-RELATED FACILITY	PATIENT ID	MEDICAL-RELATED FACILITY ID	PATIENT ID	REGULAR REGISTRATION APPROVAL	PATIENT NUMBER	PATIENT NAME	GENDER	BIRTH DATE
101		1000	1	RECEIVED	123	HISAE SUMIDA	FEMALE	1945/7/18

(a)

INSURANCE	LAST VISIT DATE	ADDRESS	TELEPHONE NUMBER	MAIL ADDRESS	PASSCODE
NATIONAL INSURANCE	2012/12/25	1-2-3 CHUO-CHO, MEGURO-KU	03-1234-5678	sumida@test.com	srXIR7L2dBmnwO2psAyte

DISEASE TABLE

DISEASE ID	MEDICAL-RELATED FACILITY	PATIENT ID	DISEASE NAME
1	101	ALZHEIMER' S DISEASE	
2	101	LUNG CANCER	

(b)

GROUP TABLE

GROUP ID	GROUP NAME	DISEASE ID
10001	ALZHEIMER' S DISEASE TREATMENT	1
10002	LUNG CANCER TREATMENT	2

(c)

GROUP PARTICIPATION TABLE

GROUP PARTICIPATION ID	USER ID	GROUP ID	ACCESSIBLE TIME LINE
1	100	10001	C2
2	200	10001	C1,C2

(d)

FIG. 6

INVITATION REQUEST TABLE

INVITATION REQUEST ID	INVITER USER ID	INVITEE USER ID	INVITER MAIL ADDRESS	INVITEE PASSPHRASE	GROUP ID	ACCESSIBLE TIMELINE
1	200	201	ALLOWANCE	APPROVAL		

(a)

INVITEE MAIL ADDRESS	INVITEE PASSPHRASE	GROUP ID	ACCESSIBLE TIMELINE
yamanaka@test.com	NICKNAME IS RACC00N DOG	10001	C1,C2

TIMELINE TABLE

TIMELINE ID	GROUP ID	TYPE NAME
1	10001	MEDICAL SIDE
2	10001	PATIENT SIDE

(b)

MEDICAL INFORMATION SHARING RULE TABLE

USER ID	MEDICAL-RELATED FACILITY ID	SHARING RULE NAME
100	1000	IN-HOSPITAL SHARING ALLOWANCE
100	1001	COMPREHENSIVE SHARING ALLOWANCE

(c)

NFC TERMINAL TABLE

MEDICAL-RELATED FACILITY ID	NFC TERMINAL NUMBER	MEDICAL-RELATED FACILITY PATIENT ID	PASSCODE
1000	3079372621	101	srXjR7L2dBmnwO2psAyte
1001	2850365002	102	TixIR5Bv3EIshei8Wegkese

(d)

FIG .7

MESSAGE TRANSMISSION RESERVATION TABLE

(a)

PATIENT ID	DESTINATION USER ID	SENDER USER ID	MESSAGE	TRANSMISSION DATE
1	200	100	IT HAS BEEN THREE DAYS SINCE PRESCRIPTION OF MEDICINE - ARE YOU TAKING IT PROPERLY?	2012/12/29

PATIENT ATTRIBUTE TABLE

(b)

PATIENT ID	PATIENT ID	ATTRIBUTE NAME	ATTRIBUTE VALUE
1	101	2013 HEALTH CHECKUP INFORMATION	NOT YET

FIG. 8

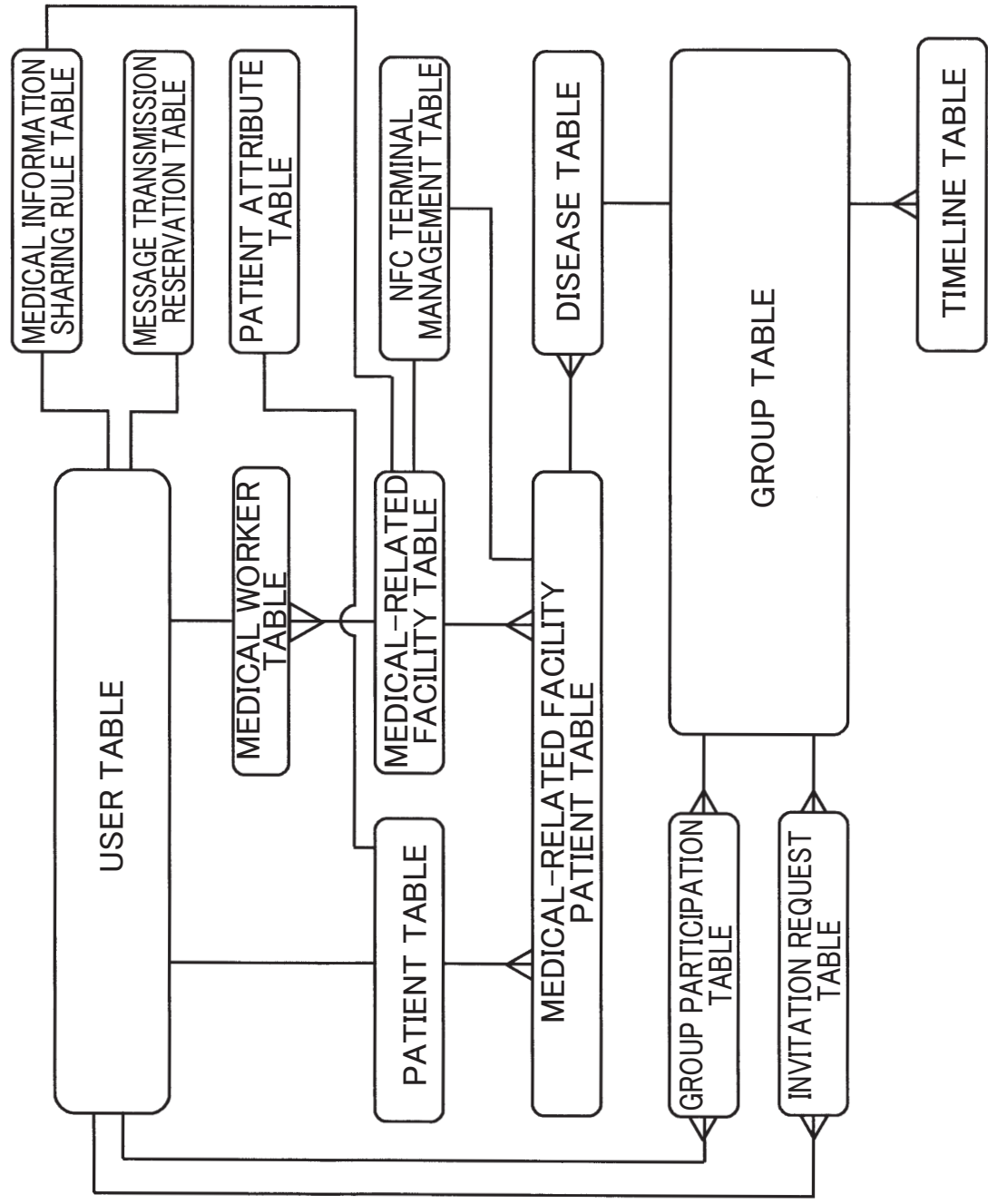


FIG. 9

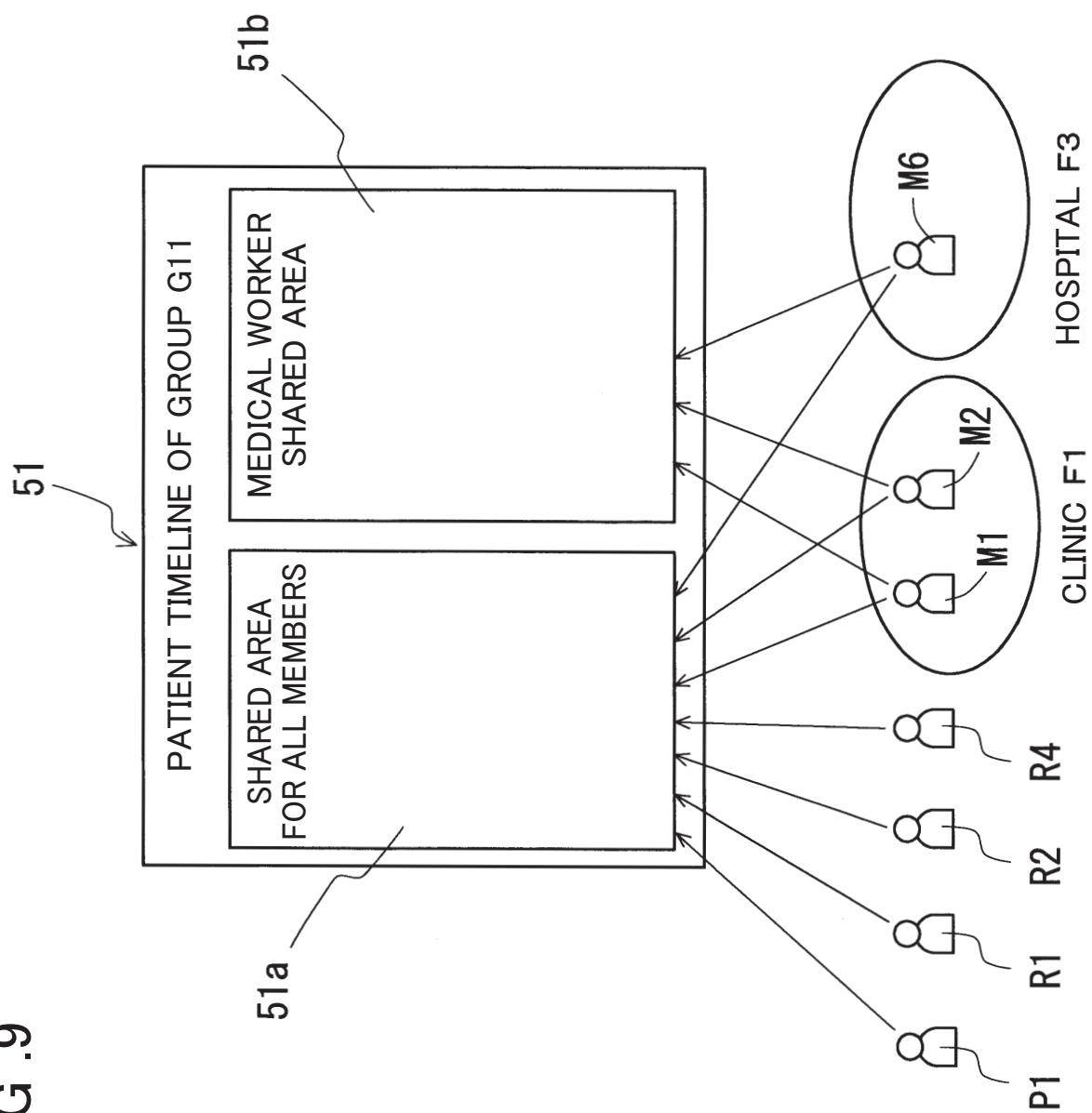


FIG. 10

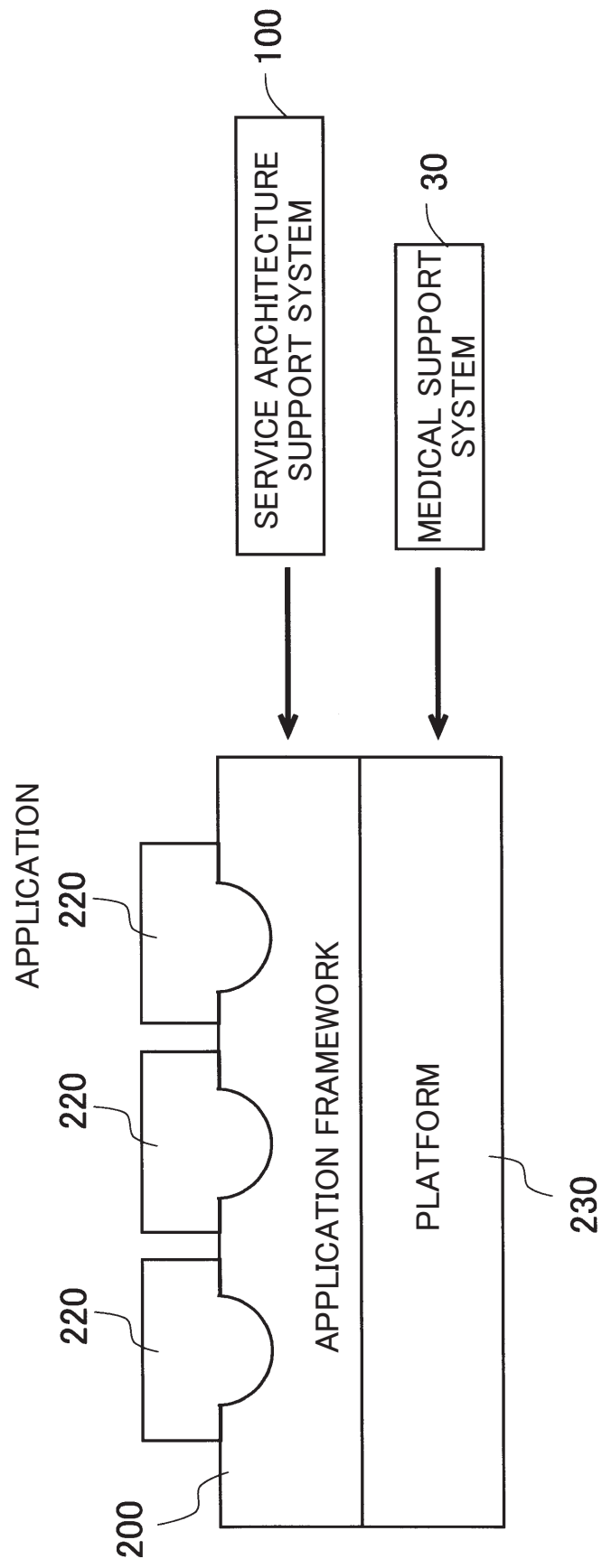
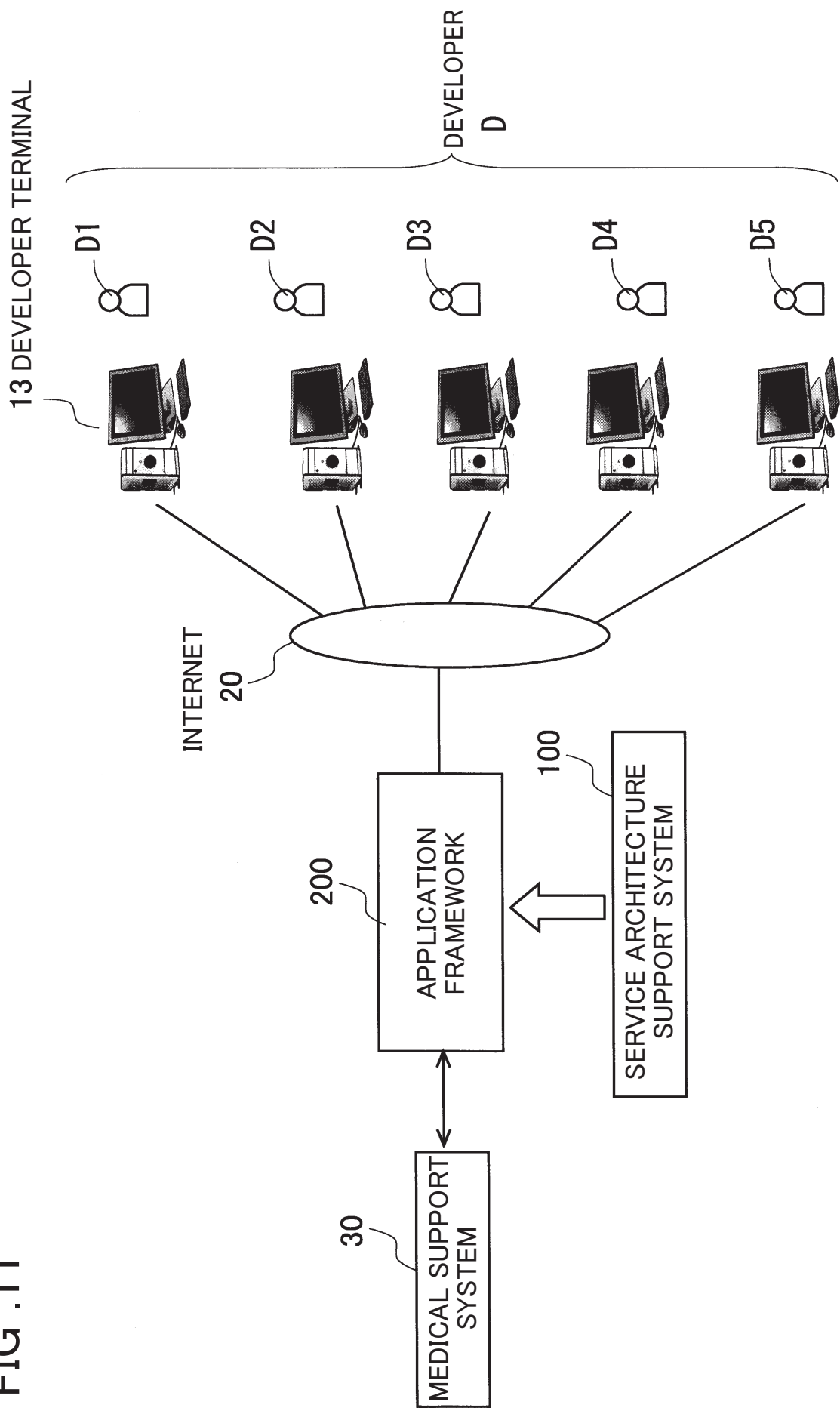


FIG .11



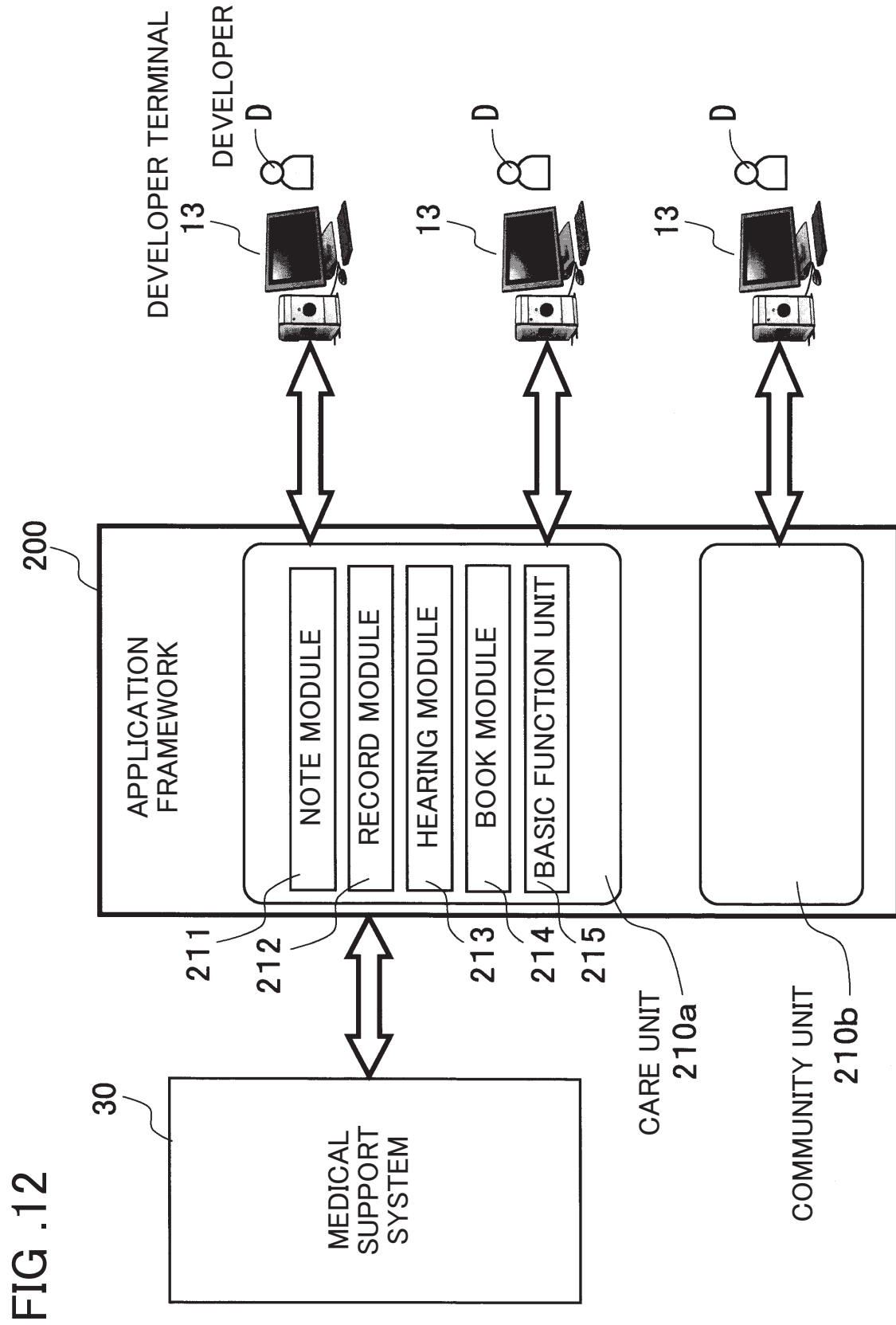


FIG. 13

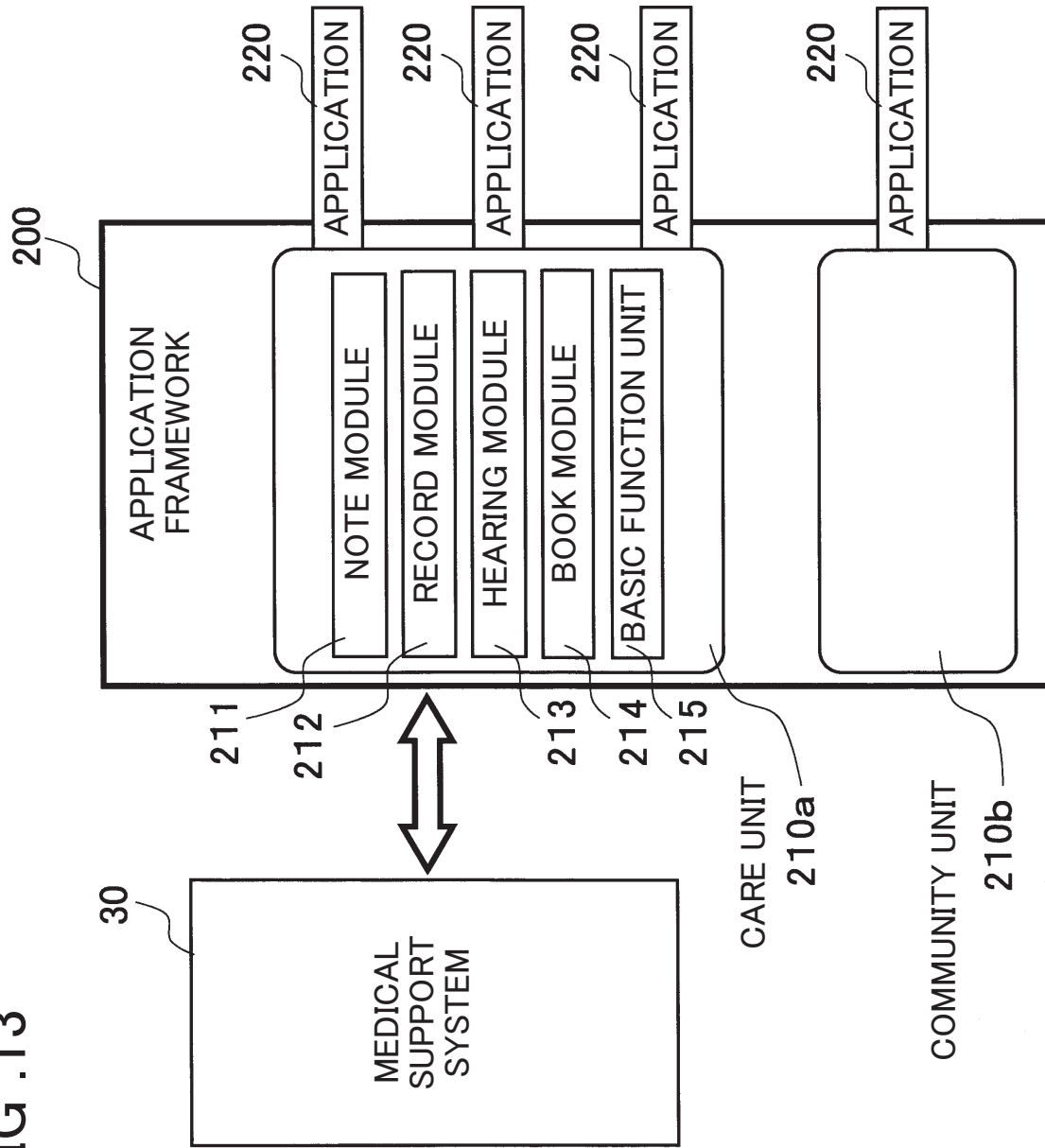


FIG. 14

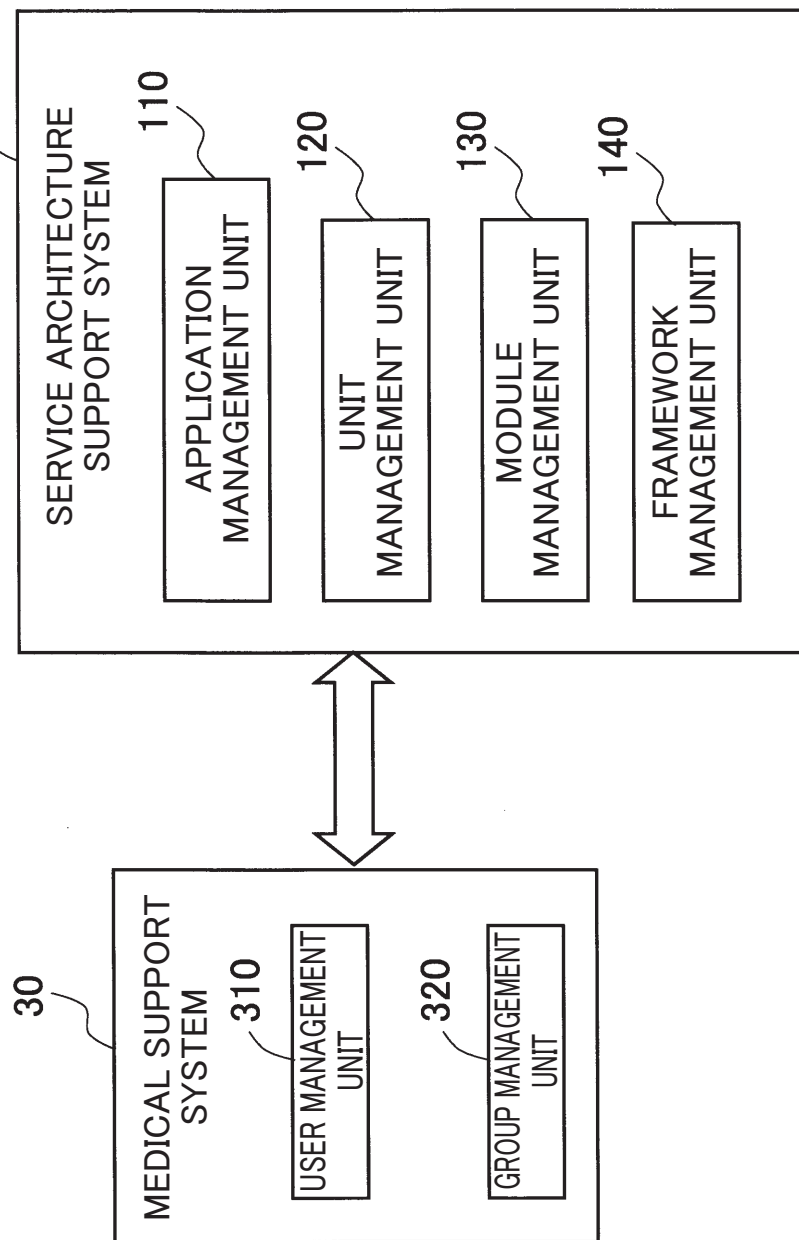


FIG. 15

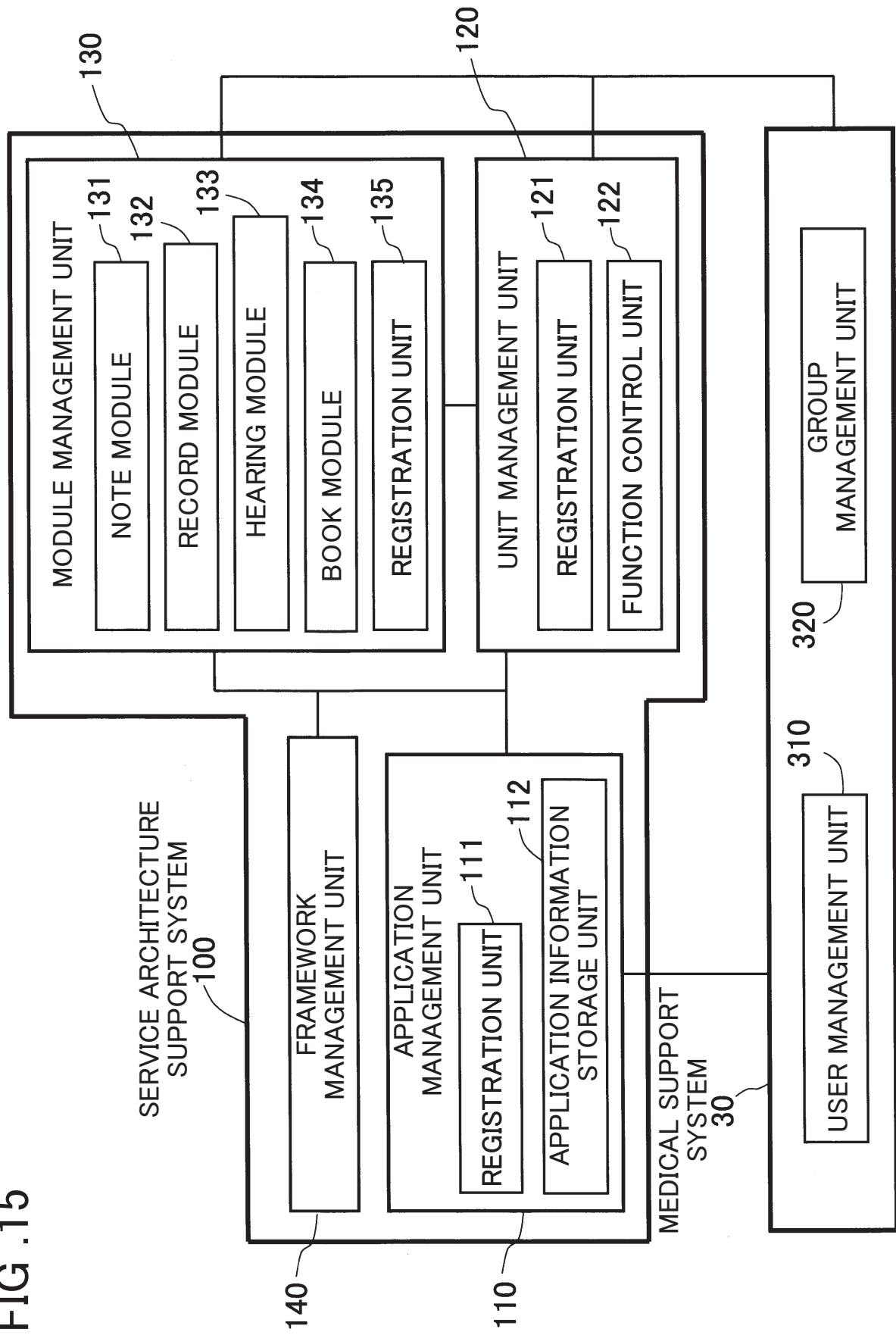


FIG .16

USER TABLE

USER ID	LOGIN ID	PASSWORD	REGISTRATION DATE	STATUS
100	sumida@test.com	tKswU8yq	2012/12/10	ENABLED
200	ogura@test.com	fvXEd5Re	2012/11/20	ENABLED
300	yamada@test.com	acD1V5tp	2012/12/25	ENABLED
500	tanaka@abc.com	usCP81vm	2017/9/30	ENABLED

(a)

DEVELOPER TABLE

DEVELOPER ID	USER ID	DEVELOPER NAME	GENDER	BIRTH DATE	MAIL ADDRESS	AFFILIATE ORGANIZATION ID	PROFESSION
1	500	ICHIRO TANAKA	MALE	1985/12/10	tanaka@abc.com	1000	PROGRAMMER

(b)

DEVELOPER AFFILIATE ORGANIZATION TABLE

AFFILIATE ORGANIZATION ID	ORGANIZATION NAME	TYPE OF WORK	REPRESENTATIVE NAME	ADDRESS	TELEPHONE NUMBER	HP
1000	XYZ DEVELOPMENT CO., LTD.	SYSTEM DEVELOPMENT	ICHIRO TANAKA	MINATO-KU SHIBA	03-2345-6789	http://www.tanakasystem.jp

(c)

APPLICATION TABLE

APPLICATION ID	DEVELOPER ID	GROUP ID	REGISTRATION DATE	STATUS
1	1	10003	2017/10/10	ENABLED
1	1	10004	2017/10/30	ENABLED
2	2	10003	2017/11/5	ENABLED
2	2	10005	2017/11/10	ENABLED

(d)

FIG .17

HOME SCREEN

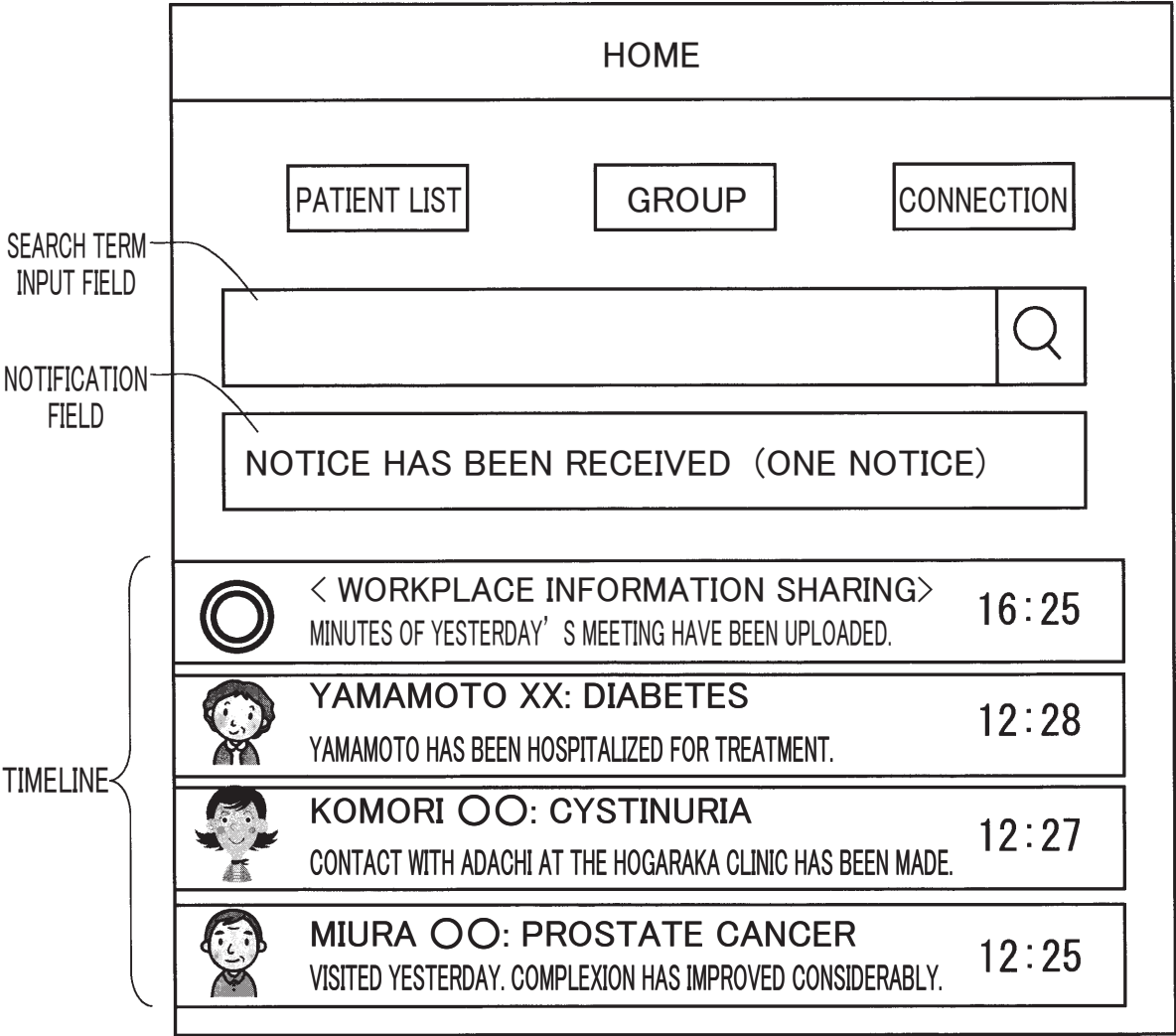


FIG .18

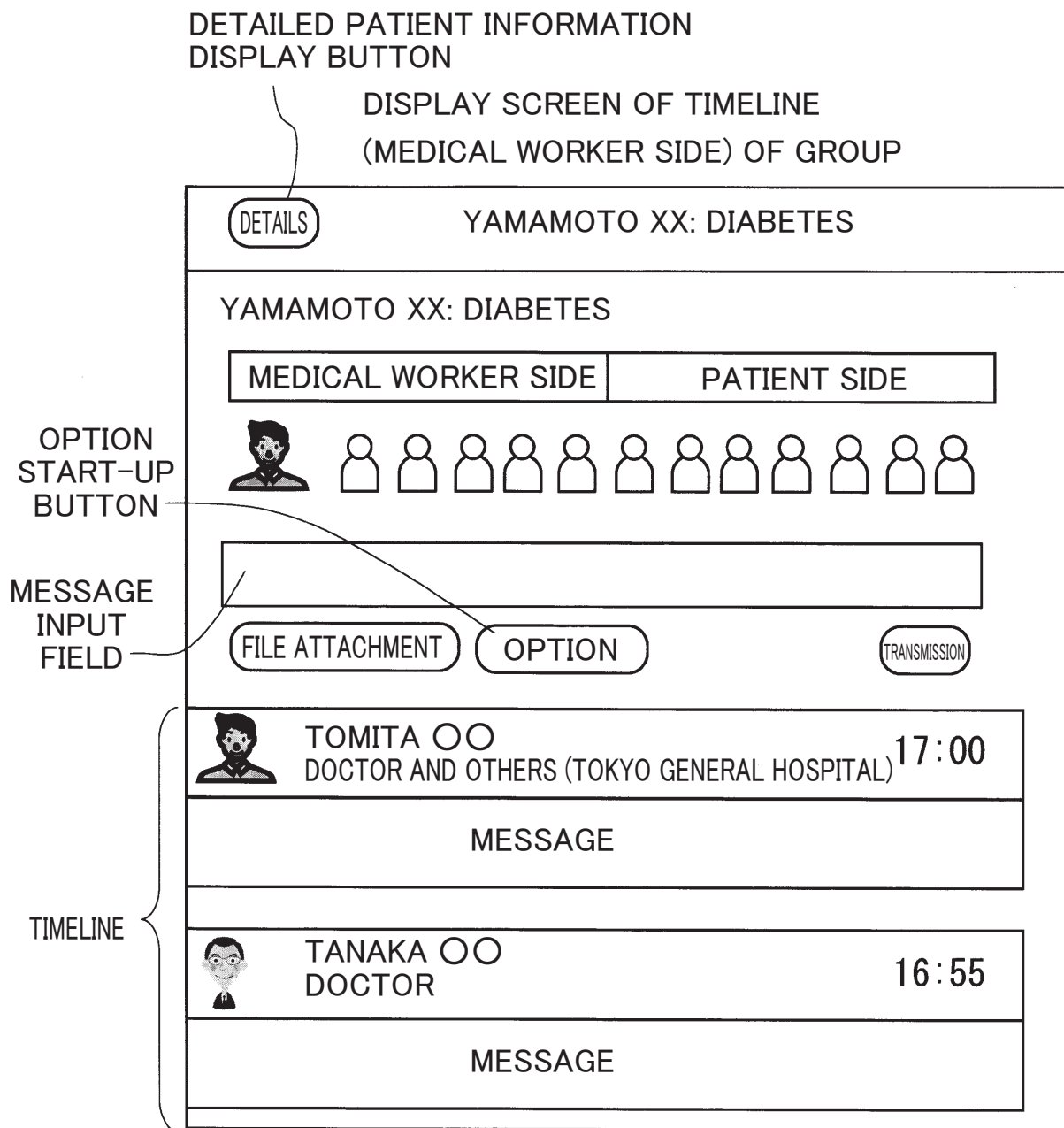


FIG .19

MEDICAL WORKER SIDE OPTION SELECTION SCREEN
(APPLICATION SELECTION TAB)

OPTION		CLOSE
APPLICATION	REQUEST	
		
LIFESTYLE IMPROVEMENT	MEDICATION MANAGEMENT	DIABETES MEDICATION SUPPORT

APPLICATION
START-UP
ICON

FIG .20

MEDICAL WORKER SIDE OPTION SELECTION SCREEN
(REQUEST SELECTION TAB)

OPTION		CLOSE
APPLICATION	REQUEST	
		
HOSPITALIZATION	HOSPITAL DISCHARGE	HOME VISIT
		
COOPERATION		

REQUEST
ICON

FIG .21

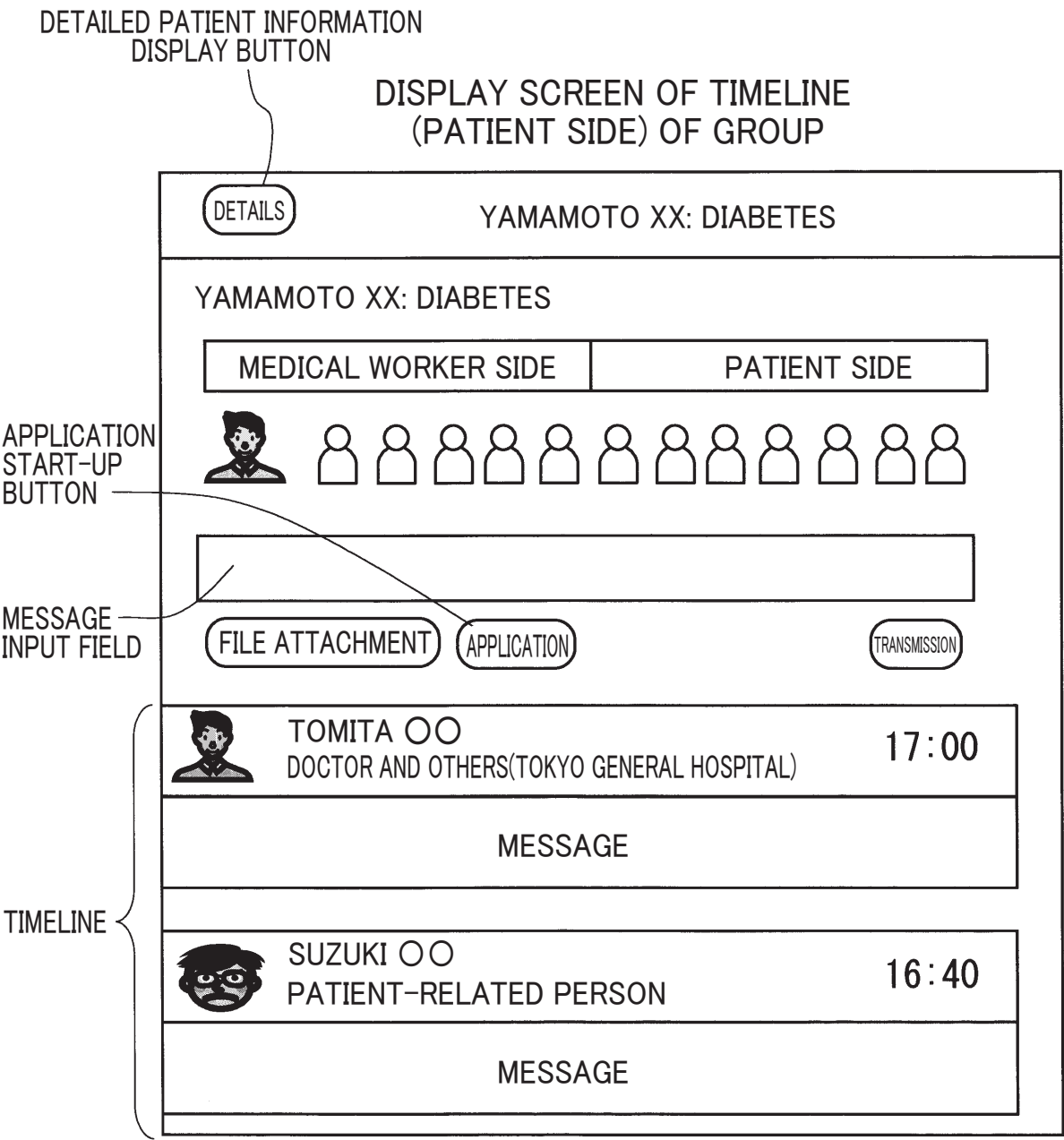


FIG .22

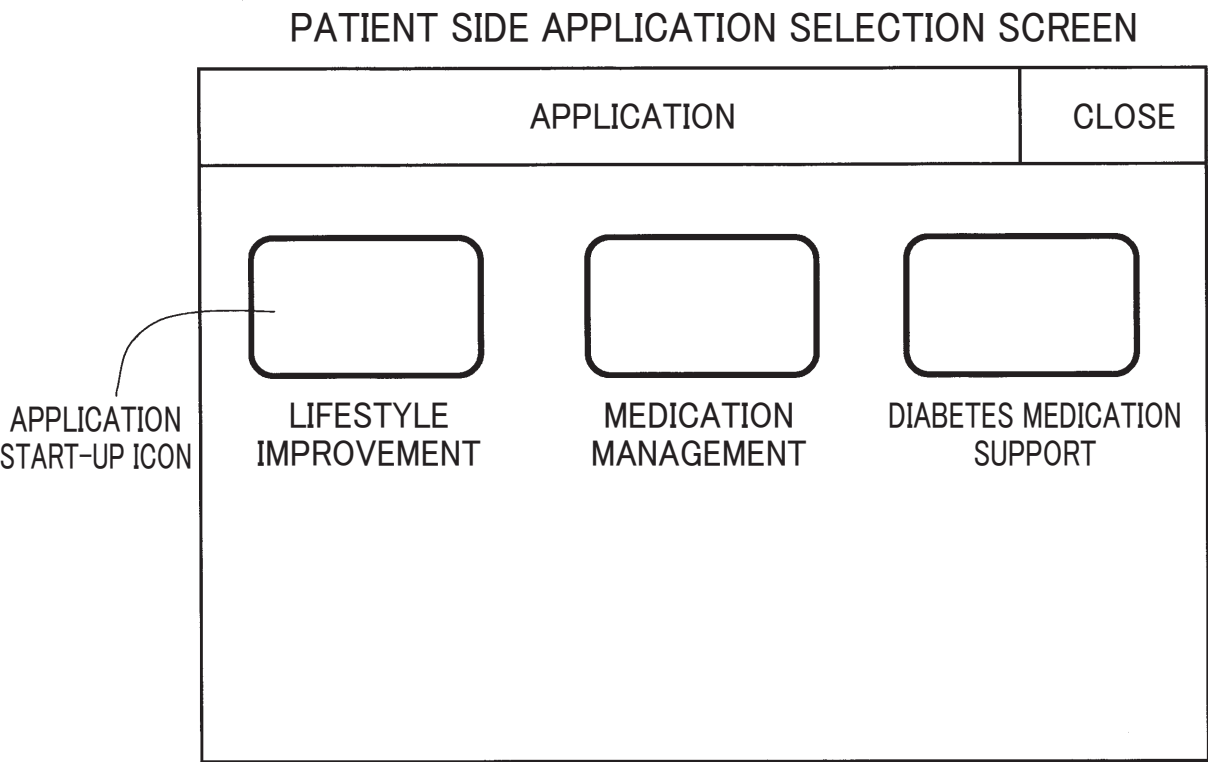


FIG .23

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER (BASIC INFORMATION SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS			
DIABETES MEDICATION SUPPORT REGISTRATION DATE : 2017/10/30					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">BASIC INFORMATION</td> <td style="width: 33%;">MEDICINE(17)</td> <td style="width: 33%;">ADDITIONAL FUNCTION(11)</td> </tr> </table>			BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)
BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)			
☐ SET ICON IMAGE					
CARE APPLICATION NAME DIABETES MEDICATION SUPPORT					
CATEGORY <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">MEDICATION</td> <td style="width: 10%; text-align: center;">▼</td> <td style="width: 50%;">PRODUCTION</td> </tr> </table>			MEDICATION	▼	PRODUCTION
MEDICATION	▼	PRODUCTION			
APPLICATION SETTINGS AUTHORITY ☒ MANAGER ☒ KOYAMA ☒ EXTERNAL STAFF					
RECORD/REPLY AUTHORITY ☒ PATIENT ☒ PATIENT FAMILY MEMBER/FRIEND ☒ MEDICAL/CARE WORK					
SUBSEQUENT CONSULTATION DAY(NOTIFICATION) ONE DAY BEFORE - 12:00					
PROGRESS SUMMARY(NOTIFICATION) SET					
EXPLANATION OF APPLICATION MEDICATION CONFIRMATION (1 WEEK): FUNCTION ADDITION, INSPECTION RECORD: ENABLED					
UTILIZATION RANGE SETTINGS AVAILABLE TIMELINE ☒ PATIENT GROUP: PATIENT SIDE					
RESET UPDATE					

FIG .24

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(MEDICINE SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS			
DIABETES MEDICATION SUPPORT REGISTRATION DATE : 2017/10/30					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">BASIC INFORMATION</td> <td style="width: 33%;">MEDICINE(17)</td> <td style="width: 33%;">ADDITIONAL FUNCTION(11)</td> </tr> </table>			BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)
BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)			
MEDICINE ALARM ☒ MEDICINE NOTIFICATION IS AUTOMATICALLY POSTED AT SET DATE AND TIME MEDICINE CALENDAR ☒ SCHEDULE CONFIRMATION AND USAGE HISTORY CAN BE RECORDED IN CALENDAR					
RESET UPDATE					
SET MEDICINES EDIT					
1	 AAA TABLET 50 mg DOSING	STOP			
2	 BBB TABLET 2.5 mg DOSING	STOP			
3	 CCC TABLET 5 mg DOSING	STOP			
4	 DDD TABLET 50 mg DOSING	STOP			
5	 EEE TABLET 100 mg DOSING	STOP			
6	 FFF TABLET 12.5 mg DOSING	STOP			
7	 GGG TABLET 25 mg DOSING	STOP			

FIG .25

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER (ADDITIONAL FUNCTION SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS
DIABETES MEDICATION SUPPORT		REGISTRATION DATE : 2017/10/30
BASIC INFORMATION		MEDICINE(17) ADDITIONAL FUNCTION(11)
SET FUNCTIONS		
1	☐ N COMPLICATIONS, OTHER SYMPTOMS NOTE	STOP
2	☐ H CONFIRMATION OF SYMPTOMS CAUSING ANXIETY HEARING	STOP
3	☐ H CONFIRMATION OF EXERCISE HABITS HEARING	STOP
4	☐ H CONFIRMATION OF EATING HABITS HEARING	STOP
5	☐ H CONFIRMATION OF REMAINING MEDICINE HEARING	STOP
6	☐ B DIABETES ADVICE (DIET) BOOK	STOP
7	☐ B DIABETES ADVICE (EXERCISE) BOOK	STOP
8	☐ B DIABETES ADVICE (KNOWLEDGE/RISK MANAGEMENT) BOOK	STOP
9	☐ H CONFIRMATION OF INTERACTION HEARING	STOP
10	☐ B MEDICATION CONFIRMATION (1 WEEK) HEARING	STOP
11	☐ R INSPECTION RECORD RECORD	STOP
RESET UPDATE		

FIG .26

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(ADDITIONAL FUNCTION/QUESTION SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS			
DIABETES MEDICATION SUPPORT REGISTRATION DATE : 2017/10/30					
<table border="1"><tr><td>BASIC INFORMATION</td><td>MEDICINE(17)</td><td>ADDITIONAL FUNCTION(11)</td></tr></table>			BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)
BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)			
< RETURN CONFIRMATION OF SYMPTOMS CAUSING ANXIETY (HEARING)					
FUNCTION TITLE					
<table border="1"><tr><td>CONFIRMATION OF SYMPTOMS CAUSING ANXIETY</td></tr></table>			CONFIRMATION OF SYMPTOMS CAUSING ANXIETY		
CONFIRMATION OF SYMPTOMS CAUSING ANXIETY					
NOTIFICATION SCHEDULE					
<table border="1"><tr><td>EVERY SUNDAY 20:00</td></tr></table>			EVERY SUNDAY 20:00		
EVERY SUNDAY 20:00					
SUPPLEMENTARY EXPLANATION					
<table border="1"><tr><td>HOW HAVE YOU FELT IN THE LAST WEEK? PLEASE TELL ME ABOUT YOUR PHYSICAL CONDITION. IF YOU START TO FEEL ANXIOUS OR HAVE ANXIETY, YOU CAN FILL IN EVEN TRIVIAL MATTERS. PATIENTS AND FAMILY MEMBERS CAN ANSWER.</td></tr></table>			HOW HAVE YOU FELT IN THE LAST WEEK? PLEASE TELL ME ABOUT YOUR PHYSICAL CONDITION. IF YOU START TO FEEL ANXIOUS OR HAVE ANXIETY, YOU CAN FILL IN EVEN TRIVIAL MATTERS. PATIENTS AND FAMILY MEMBERS CAN ANSWER.		
HOW HAVE YOU FELT IN THE LAST WEEK? PLEASE TELL ME ABOUT YOUR PHYSICAL CONDITION. IF YOU START TO FEEL ANXIOUS OR HAVE ANXIETY, YOU CAN FILL IN EVEN TRIVIAL MATTERS. PATIENTS AND FAMILY MEMBERS CAN ANSWER.					
<table border="0"><tr><td>RESET</td><td>UPDATE</td></tr></table>			RESET	UPDATE	
RESET	UPDATE				
REGISTER QUESTIONS					
1 DO YOU HAVE ANY SYMPTOMS CAUSING ANXIETY? <table border="1"><tr><td>STOP</td></tr></table>			STOP		
STOP					
2 PLEASE TELL ME ABOUT THE SYMPTOMS CAUSING YOU ANXIETY <table border="1"><tr><td>STOP</td></tr></table>			STOP		
STOP					

FIG .27

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER (ADDITIONAL FUNCTION/QUESTION SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS										
DIABETES MEDICATION SUPPORT REGISTRATION DATE: 2017/10/30												
BASIC INFORMATION MEDICINE(17) ADDITIONAL FUNCTION(11)												
< RETURN CONFIRMATION OF SYMPTOMS CAUSING ANXIETY (HEARING)												
ANSWER TYPE ANSWER RULE RADIO BUTTON(SINGLE ANSWER) ☐ REQUIRED ☐ ARBITRARY												
QUESTION TITLE DO YOU HAVE ANY SYMPTOMS CAUSING ANXIETY?												
ANSWER ITEM <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 5%;">1</td> <td style="width: 45%;">YES</td> <td style="width: 15%;">NEXT ▼</td> <td style="width: 15%;">▼</td> <td style="width: 20%;">STOP</td> </tr> <tr> <td>2</td> <td>NO</td> <td>TRANSMIT ▼</td> <td>• • ▼</td> <td>STOP</td> </tr> </tbody> </table> ADD ITEM OR ADD "OTHER"			1	YES	NEXT ▼	▼	STOP	2	NO	TRANSMIT ▼	• • ▼	STOP
1	YES	NEXT ▼	▼	STOP								
2	NO	TRANSMIT ▼	• • ▼	STOP								
ADDITIONAL MESSAGE & DISCLOSURE RANGE M 1 IF PATIENT HAS SYMPTOMS CAUSING ANXIETY, PLEASE CHECK PATIENT' S CONDITION, SYMPTOMS AND THEIR DEGREE. ☒ MEDICAL/CARE WORK USER ☐ GENERAL USER (PATIENT) ☐ GENERAL USER (FAMILY MEMBER/FRIEND) M 2 ☐ MEDICAL/CARE WORK USER ☐ GENERAL USER (PATIENT) ☐ GENERAL USER (FAMILY MEMBER/FRIEND) M 3												

FIG .28

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER (ADDITIONAL FUNCTION/QUESTION SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS																																				
DIABETES MEDICATION SUPPORT REGISTRATION DATE : 2017/10/30																																						
BASIC INFORMATION MEDICINE(17) ADDITIONAL FUNCTION(11)																																						
< RETURN CONFIRMATION OF SYMPTOMS CAUSING ANXIETY (HEARING)																																						
ANSWER TYPE CHECK BOX(MULTIPLE ANSWERS) ANSWER RULE ☐ REQUIRED ☐ ARBITRARY																																						
QUESTION TITLE DO YOU HAVE ANY SYMPTOMS CAUSING ANXIETY?																																						
ANSWER ITEM <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tbody> <tr> <td style="width: 45%;">1 STOMACHACHE/BELLYACHE</td> <td style="width: 10%;">TRANSMIT ▼</td> <td style="width: 10%;">M 1 ▼</td> <td style="width: 35%;">STOP</td> </tr> <tr> <td>2 STOMACH UPSET/HEARTBURN</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>3 ANOREXIA</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>4 NAUSEA/VOMITING</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>5 CONSTIPATION</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>6 DIARRHEA</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>7 HEADACHE</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>8 INSOMNIA</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> <tr> <td>9 IRRITABLE</td> <td>TRANSMIT ▼</td> <td>M 1 ▼</td> <td>STOP</td> </tr> </tbody> </table>			1 STOMACHACHE/BELLYACHE	TRANSMIT ▼	M 1 ▼	STOP	2 STOMACH UPSET/HEARTBURN	TRANSMIT ▼	M 1 ▼	STOP	3 ANOREXIA	TRANSMIT ▼	M 1 ▼	STOP	4 NAUSEA/VOMITING	TRANSMIT ▼	M 1 ▼	STOP	5 CONSTIPATION	TRANSMIT ▼	M 1 ▼	STOP	6 DIARRHEA	TRANSMIT ▼	M 1 ▼	STOP	7 HEADACHE	TRANSMIT ▼	M 1 ▼	STOP	8 INSOMNIA	TRANSMIT ▼	M 1 ▼	STOP	9 IRRITABLE	TRANSMIT ▼	M 1 ▼	STOP
1 STOMACHACHE/BELLYACHE	TRANSMIT ▼	M 1 ▼	STOP																																			
2 STOMACH UPSET/HEARTBURN	TRANSMIT ▼	M 1 ▼	STOP																																			
3 ANOREXIA	TRANSMIT ▼	M 1 ▼	STOP																																			
4 NAUSEA/VOMITING	TRANSMIT ▼	M 1 ▼	STOP																																			
5 CONSTIPATION	TRANSMIT ▼	M 1 ▼	STOP																																			
6 DIARRHEA	TRANSMIT ▼	M 1 ▼	STOP																																			
7 HEADACHE	TRANSMIT ▼	M 1 ▼	STOP																																			
8 INSOMNIA	TRANSMIT ▼	M 1 ▼	STOP																																			
9 IRRITABLE	TRANSMIT ▼	M 1 ▼	STOP																																			

FIG .29

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(ADDITIONAL FUNCTION/PATIENT NOTE SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS																											
DIABETES MEDICATION SUPPORT REGISTRATION DATE : 2017/10/30																													
<table border="1"><tr><td>BASIC INFORMATION</td><td>MEDICINE(17)</td><td>ADDITIONAL FUNCTION(11)</td></tr></table>			BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)																								
BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)																											
< RETURN COMPLICATIONS, OTHER SYMPTOMS(NOTE)																													
NOTE TITLE																													
<table border="1"><tr><td>PATIENT NOTE</td></tr></table>			PATIENT NOTE																										
PATIENT NOTE																													
RECORDING ITEM																													
<table border="1"><tr><td>1 COMPLICATIONS</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>2 OTHER SYMPTOMS</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>3 INSPECTION VALUE 1</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>4 INSPECTION VALUE 2</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>5 INSPECTION VALUE 3</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>6 INSPECTION VALUE 4</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>7 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>8 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>9 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr></table>			1 COMPLICATIONS	NEXT ▼	STOP	2 OTHER SYMPTOMS	NEXT ▼	STOP	3 INSPECTION VALUE 1	NEXT ▼	STOP	4 INSPECTION VALUE 2	NEXT ▼	STOP	5 INSPECTION VALUE 3	NEXT ▼	STOP	6 INSPECTION VALUE 4	NEXT ▼	STOP	7 ○○○	NEXT ▼	STOP	8 ○○○	NEXT ▼	STOP	9 ○○○	NEXT ▼	STOP
1 COMPLICATIONS	NEXT ▼	STOP																											
2 OTHER SYMPTOMS	NEXT ▼	STOP																											
3 INSPECTION VALUE 1	NEXT ▼	STOP																											
4 INSPECTION VALUE 2	NEXT ▼	STOP																											
5 INSPECTION VALUE 3	NEXT ▼	STOP																											
6 INSPECTION VALUE 4	NEXT ▼	STOP																											
7 ○○○	NEXT ▼	STOP																											
8 ○○○	NEXT ▼	STOP																											
9 ○○○	NEXT ▼	STOP																											

FIG .30

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER (ADDITIONAL FUNCTION/DIABETES ADVICE SETTINGS)

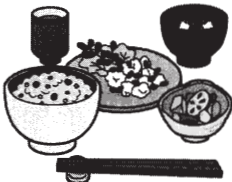
LIST	APPLICATION INFORMATION	ACCESS ANALYSIS			
DIABETES MEDICATION SUPPORT REGISTRATION DATE: 2017/10/30					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; text-align: center;">BASIC INFORMATION</td> <td style="width: 33%; text-align: center;">MEDICINE(17)</td> <td style="width: 33%; text-align: center;">ADDITIONAL FUNCTION(11)</td> </tr> </table>			BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)
BASIC INFORMATION	MEDICINE(17)	ADDITIONAL FUNCTION(11)			
< RETURN DIABETES ADVICE (DIET) (BOOK)					
BOOK TITLE DIABETES ADVICE (DIET)					
DETAILS OF ADVICE 1  DIETARY NOTES (No. . 1) PLEASE NOTE THE FOLLOWING POINTS REGARDING DIET. NEXT ▼ STOP					
DETAILS OF ADVICE 2 DIETARY NOTES (No. . 2) NEXT ▼ STOP					

FIG .31

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(ADDITIONAL FUNCTION/INSPECTION RECORD ITEM SETTINGS)

LIST	APPLICATION INFORMATION	ACCESS ANALYSIS																											
DIABETES MEDICATION SUPPORT REGISTRATION DATE: 2017/10/30																													
<table border="1"><tr><td>BASIC INFORMATION</td><td>MEDICINE (17)</td><td>ADDITIONALFUNCTION (11)</td></tr></table>			BASIC INFORMATION	MEDICINE (17)	ADDITIONALFUNCTION (11)																								
BASIC INFORMATION	MEDICINE (17)	ADDITIONALFUNCTION (11)																											
< RETURN INSPECTION RECORD (RECORD)																													
RECORD TITLE																													
<table border="1"><tr><td>INSPECTION RECORD</td></tr></table>			INSPECTION RECORD																										
INSPECTION RECORD																													
RECORDING ITEM																													
<table border="1"><tbody><tr><td>1 HbA1c</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>2 WEIGHT</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>3 LDL CHOLESTEROL</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>4 BLOOD SUGAR</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>5 BLOOD PRESSURE</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>6 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>7 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>8 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr><tr><td>9 ○○○</td><td>NEXT ▼</td><td>STOP</td></tr></tbody></table>			1 HbA1c	NEXT ▼	STOP	2 WEIGHT	NEXT ▼	STOP	3 LDL CHOLESTEROL	NEXT ▼	STOP	4 BLOOD SUGAR	NEXT ▼	STOP	5 BLOOD PRESSURE	NEXT ▼	STOP	6 ○○○	NEXT ▼	STOP	7 ○○○	NEXT ▼	STOP	8 ○○○	NEXT ▼	STOP	9 ○○○	NEXT ▼	STOP
1 HbA1c	NEXT ▼	STOP																											
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6 ○○○	NEXT ▼	STOP																											
7 ○○○	NEXT ▼	STOP																											
8 ○○○	NEXT ▼	STOP																											
9 ○○○	NEXT ▼	STOP																											

FIG .32

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(POST ITEM/SETTINGS TIME, ETC. SETTINGSS)

< RETURN	DIABETES MEDICATION SUPPORT	RESTART															
DIABETES MEDICATION SUPPORT REGISTRATION DATE: 2017/10/30 BASIC INFORMATION MEDICINE (17) ADDITIONALFUNCTION (11) NOTIFICATION OF NEW SETTINGSS USAGE PERIOD DECEMBER 1ST, 2017 - COMPLETION DATE (ARBITRARY) SUBSEQUENT CONSULTATION DAY NOT SET RECORD/REPLY AUTHORITY ☒ PATIENT ☒ PATIENT FAMILY MEMBER /FRIEND ☒ MEDICAL /CARE WORK MEDICINE TO BE USED FFF TABLET 12.5 mg (1) DOSING IN MORNING <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 15%;">WAKEUP</th> <th style="width: 15%;">MORNING</th> <th style="width: 15%;">NOON</th> <th style="width: 15%;">EVENING</th> <th style="width: 15%;">BEFORE SLEEP</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">ONE TABLET</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> <tr> <td style="text-align: center;">—</td> <td style="text-align: center;">8:00</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> <td style="text-align: center;">—</td> </tr> </tbody> </table> INSPECTION VALUE INSPECTION RECORD HbA1c (%), WEIGHT (kg), LDL CHOLESTEROL (mg/dL) PATIENT NOTE COMPLICATIONS, OTHER SYMPTOMS DISCLOSURE RANGE: ALL MEMBERS NOTIFICATION SCHEDULE			WAKEUP	MORNING	NOON	EVENING	BEFORE SLEEP	—	ONE TABLET	—	—	—	—	8:00	—	—	—
WAKEUP	MORNING	NOON	EVENING	BEFORE SLEEP													
—	ONE TABLET	—	—	—													
—	8:00	—	—	—													

FIG .33

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(POST ITEM/SETTINGS TIME, ETC. SETTINGSS)

< RETURN	DIABETES MEDICATION SUPPORT	RESTART
NOTIFICATION OF NEW SETTINGSS		
COMPLICATIONS, OTHER SYMPTOMS		
DISCLOSURE RANGE: ALL MEMBERS		
NOTIFICATION SCHEDULE		
SUBSEQUENT CONSULTATION DAY		
NOT SET		
PROGRESS SUMMARY		
NOT SET		
CONFIRMATION OF SYMPTOMS CAUSING ANXIETY		
EVERY MONDAY – 08:10		
INSPECTION RECORD		
DAY BEFORE SUBSEQUENT CONSULTATION DAY – 09:05		
CONFIRMATION OF REMAINING MEDICINE		
EVERY MONDAY – 08:30		
OOOO		
OOOOOOOO		
OOOO		
OOOOOOOO		

FIG .34

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(INSPECTION VALUE SETTINGSS)

< RETURN		INSPECTION VALUE SETTINGSS		SETTINGSS
HbA1c (%)				
INITIAL VALUE	8.5	TARGET VALUE	6.5	
REFERENCE VALUE UPPER LIMIT		REFERENCE VALUE LOWER LIMIT		
☐ ALSO ALERT PATIENT				
WEIGHT (kg)				
INITIAL VALUE	75.0	TARGET VALUE	70.0	
REFERENCE VALUE UPPER LIMIT		REFERENCE VALUE LOWER LIMIT		
☐ ALSO ALERT PATIENT				
LDL CHOLESTEROL (mg/dL)				
INITIAL VALUE	170	TARGET VALUE	150	
REFERENCE VALUE UPPER LIMIT		REFERENCE VALUE LOWER LIMIT		
☐ ALSO ALERT PATIENT				

FIG .35

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(START DATE SETTINGSS)

START DATE SETTINGSS							CLOSE
NOVEMBER 2017							
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
			1	2	3	4	
5	6	7	8	9	10	11	
12	13	14	15	16	17	18	
19	20	21	22	23	24	25	
26	27	28	29	30			
DECEMBER 2017							
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
					1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	
31							
JANUARY 2018							
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
	1	2	3	4	5	6	
7	8	9	10	11	12	13	
14	15	16	17	18	19	20	
21	22	23	24	25	26	27	
28	29	30	31				

FIG .36

APPLICATION MANAGEMENT SCREEN FOR SYSTEM MANAGER
(APPLICATION SELECTION)

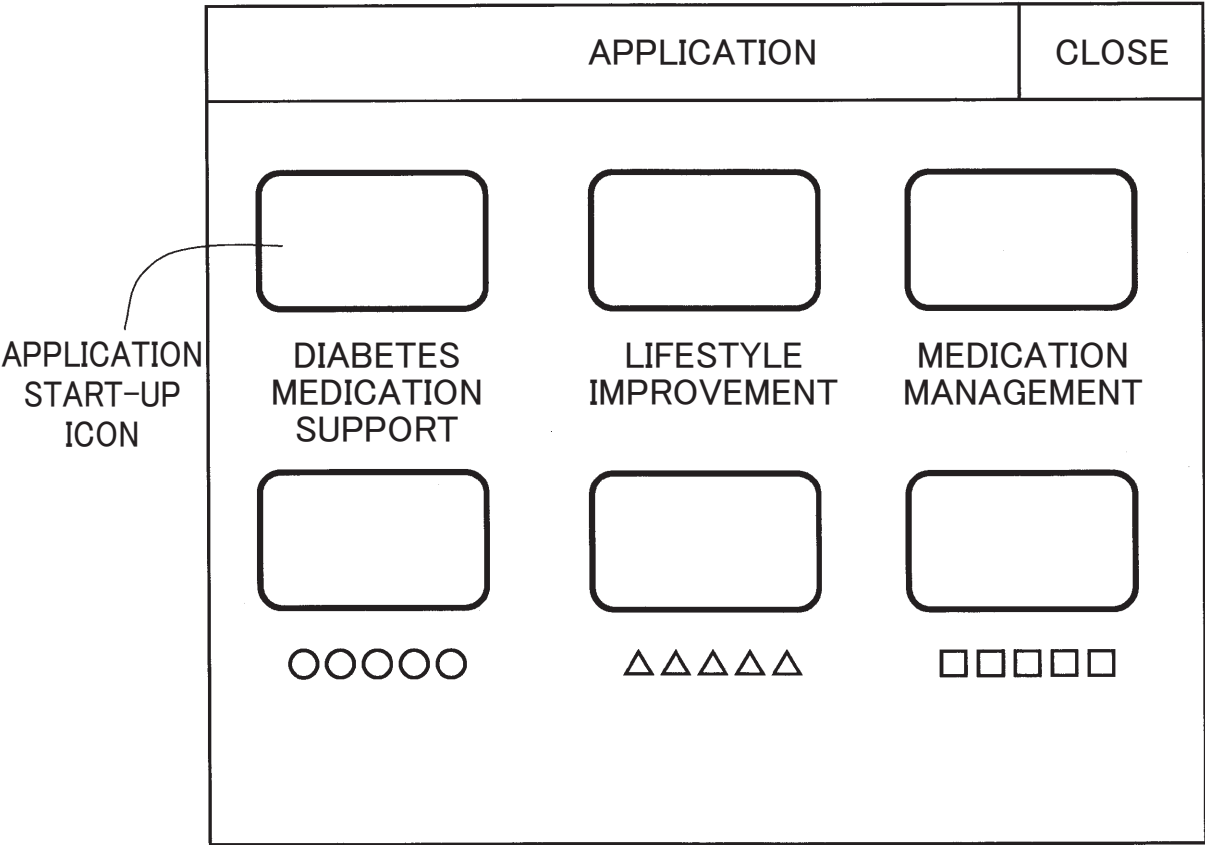


FIG .37

DISPLAY SCREEN OF TIMELINE (PATIENT SIDE) OF GROUP

YAMAMOTO XX

 THREE PERSONS

MESSAGE INPUT FIELD

☐ DIABETES MEDICATION SUPPORT

START UTILIZATION OF DIABETES MEDICATION SUPPORT.
YAMAMOTO, USE MEDICINE FROM TODAY.

PATIENT NOTE
COMPLICATIONS, OTHER SYMPTOMS
CONFIRMED.

USAGE/DOSE OF MEDICINE
FFF TABLET 12.5 mg (TABLET)
(1) DOSING IN MORNING

INSPECTION VALUE
HbA1c (%)
INITIAL VALUE IS 8.5, TARGET VALUE IS 6.5.

WEIGHT (kg)
INITIAL VALUE IS 75.0, TARGET VALUE IS 70.0.

LDL CHOLESTEROL (mg/dL)
INITIAL VALUE IS 170, TARGET VALUE IS 150.

12/01 08:00

FIG .38

DISPLAY SCREEN OF TIMELINE (PATIENT SIDE) OF GROUP

YAMAMOTO XX

MESSAGE
INPUT
FIELD

○

DIABETES MEDICATION SUPPORT

COMPLICATIONS, OTHER SYMPTOMS
(2017/12/05)

·

DIABETES COMPLICATIONS INCLUDE
THE FOLLOWING.
.....
.....
.....

·

OTHER SYMPTOMS INCLUDE
THE FOLLOWING.
.....
.....
.....

PLEASE TELL ME IF YOU HAVE ANY
CORRESPONDING SYMPTOMS.
PATIENTS AND FAMILY MEMBERS
CAN ANSWER.

REPLY

12/05 08:05

FIG .39

DISPLAY SCREEN OF TIMELINE (PATIENT SIDE) OF GROUP

YAMAMOTO XX

MESSAGE INPUT FIELD

☐ DIABETES MEDICATION SUPPORT

CONFIRMATION OF SYMPTOMS CAUSING ANXIETY
(2017/12/03)

HAVE YOU NOTICED ANY SYMPTOMS CAUSING
YOU ANXIETY DURING THE LAST MONTH?
PLEASE TELL ME EVEN SYMPTOMS ARE MILD.
PATIENTS AND FAMILY MEMBERS CAN ANSWER.

REPLY

12/03 10:00

☐ DIABETES MEDICATION SUPPORT

CONFIRMATION OF EATING HABITS
(2017/12/03)

PLEASE TELL ME ABOUT YOUR EATING HABITS
IN THE LAST TWO WEEKS. IF YOU START TO FEEL
ANXIOUS ABOUT YOUR EATING HABITS OR HAVE
ANXIETY, YOU CAN FILL IN EVEN TRIVIAL MATTERS.
PATIENTS AND FAMILY MEMBERS CAN ANSWER.

REPLY

12/03 10:10

FIG .40

DISPLAY SCREEN OF TIMELINE (PATIENT SIDE) OF GROUP

YAMAMOTO XX

MESSAGE
INPUT
FIELD

DIABETES MEDICATION SUPPORT

CONFIRMATION OF REMAINING MEDICINE
(2017/12/05)

TOMORROW IS VISIT DAY. PLEASE TELL ME THE
REMAINING NUMBER OF FFF TABLETS AS OF TODAY.
PATIENTS AND FAMILY MEMBERS CAN ANSWER.

REPLY

12/15 20:00

DIABETES MEDICATION SUPPORT

CONFIRMATION OF EXERCISE HABITS
(2017/12/15)

PLEASE TELL ME ABOUT EXERCISE YOU HAVE
DONE IN LAST TWO WEEKS. LIGHT EXERCISE SUCH
AS WALKING OR GYMNASTICS IS ALSO ACCEPTABLE.
PATIENTS AND FAMILY MEMBERS CAN ANSWER.

REPLY

12/15 20:00

FIG .41

DISPLAY SCREEN OF TIMELINE (PATIENT SIDE) OF GROUP

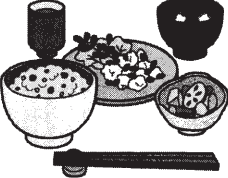
YAMAMOTO XX	
MESSAGE INPUT FIELD	☐ DIABETES MEDICATION SUPPORT  DIETARY NOTES (NO..11)
	12/10 08:10 ☐ DIABETES MEDICATION SUPPORT MEDICATION CONFIRMATION (2017/12/10) CHECK MEDICATION STATUS (MISSED DOSE) IN LAST WEEK. REPLY
	12/10 08:00

FIG .42

ANSWER SCREEN DISPLAYED
ON TIMELINE (PATIENT SIDE) OF GROUP

COMPLICATIONS, OTHER SYMPTOMS

IF YOU HAVE ANY COMPLICATIONS OR
OTHER SYMPTOMS, PLEASE TELL ME.

☐

 NO

☐

 I HAVE THE FOLLOWING SYMPTOMS.

MESSAGE
INPUT FIELD

REPLY

FIG .43

ANSWER SCREEN DISPLAYED
ON TIMELINE (PATIENT SIDE) OF GROUP

CONFIRMATION OF SYMPTOMS
CAUSING ANXIETY

PLEASE TELL ME IF YOU HAVE ANY
SYMPTOMS CAUSING YOU ANXIETY.

MESSAGE
INPUT FIELD

TRANSMIT

FIG .44

ANSWER CHOICE SCREEN DISPLAYED
ON TIMELINE (PATIENT SIDE) OF GROUP

CONFIRMATION OF EATING HABITS

DO YOU HAVE THREE MEALS IN THE MORNING,
NOON AND NIGHT AT FIXED TIMES?

☐ YES

☐ YES, BUT IRREGULARLY

☐ SOMETIMES SKIP MEALS

☐ OFTEN SKIP MEALS

TRANSMIT

FIG .45

ANSWER SCREEN DISPLAYED
ON TIMELINE (PATIENT SIDE) OF GROUP

CONFIRMATION OF REMAINING MEDICINE

PLEASE TELL ME THE REMAINING
NUMBER OF FFF TABLETS AS OF TODAY.

MESSAGE INPUT FIELD

TRANSMIT

FIG .46

DISPLAY SCREEN ON TIMELINE
(MEDICAL WORKER SIDE) OF GROUP

YAMAMOTO XX



THREE PERSONS

☐

DIABETES MEDICATION SUPPORT

COMPLICATIONS, OTHER SYMPTOMS

· PLEASE INPUT POSSIBLE DIABETES COMPLICATIONS INTO LOWER FIELD.

· PLEASE INPUT POSSIBLE OTHER SYMPTOMS OF DIABETES INTO LOWER FIELD.

11/20 08:30

REPLY

MESSAGE INPUT FIELD

INPUT FIELD

INPUT FIELD

FIG .47

DISPLAY SCREEN ON TIMELINE
(MEDICAL WORKER SIDE) OF GROUP

YAMAMOTO XX

MESSAGE
INPUT FIELD

☐ DIABETES MEDICATION SUPPORT

BOOK TITLE

DIABETES ADVICE(DIET)

· PLEASE INPUT BOOK TITLE INTO UPPER FIELD,
AND UPLOAD FILE DESCRIBING ADVICE FOR PATIENT.
WHEN FILE IS UPLOADED, BOOK OF BOOK TITLE INPUT IS
AUTOMATICALLY PRODUCED.

☐ UPLOAD FILE

FILE NAME
INPUT FIELD

11/20 08:31

FIG .48

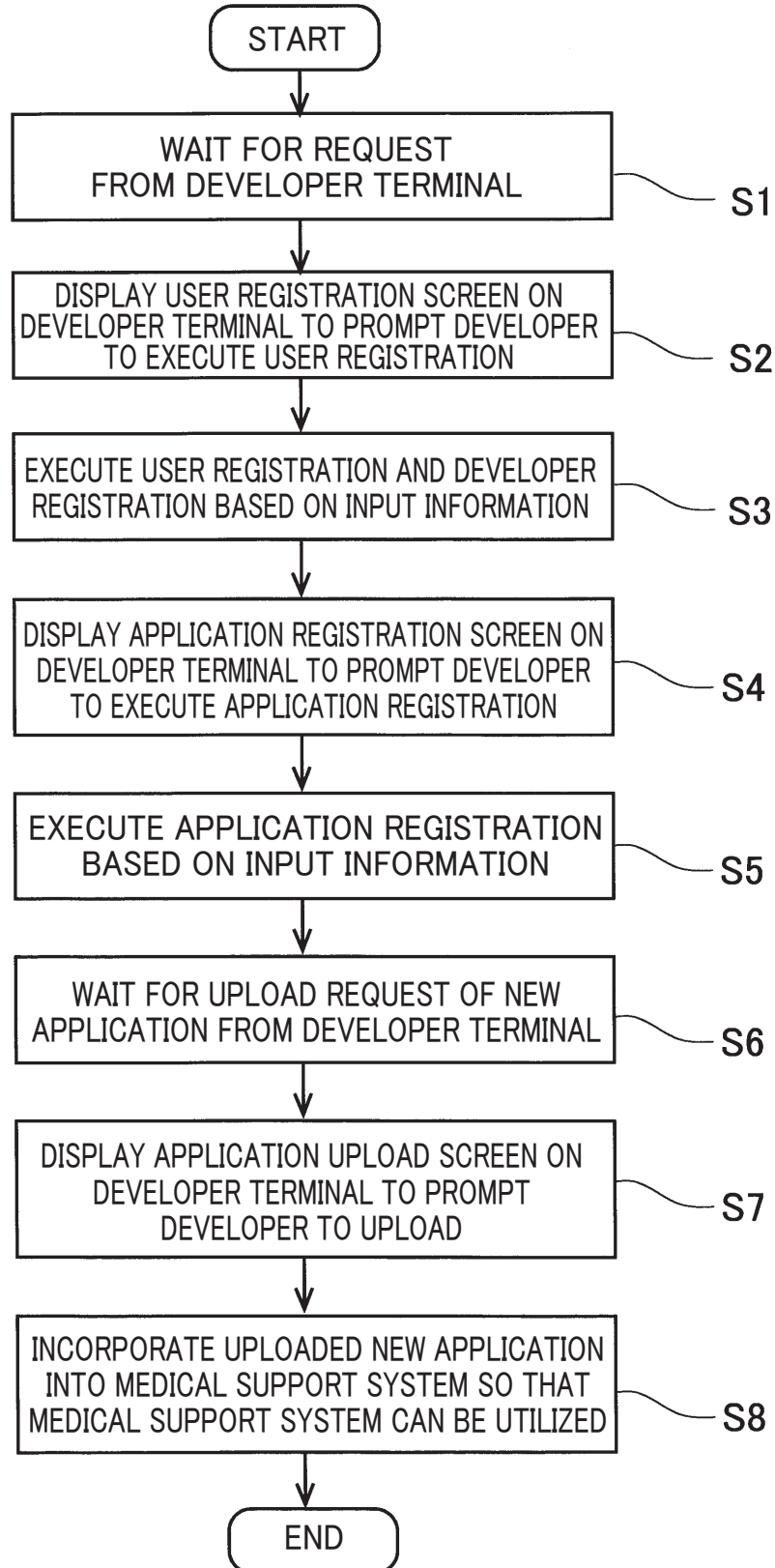
OPERATION OF SERVICE ARCHITECTURE SUPPORT SYSTEM
(AT TIME OF APPLICATION DEVELOPMENT)

FIG .49

OPERATION OF SERVICE ARCHITECTURE SUPPORT SYSTEM
(AT TIME OF APPLICATION UTILIZATION)