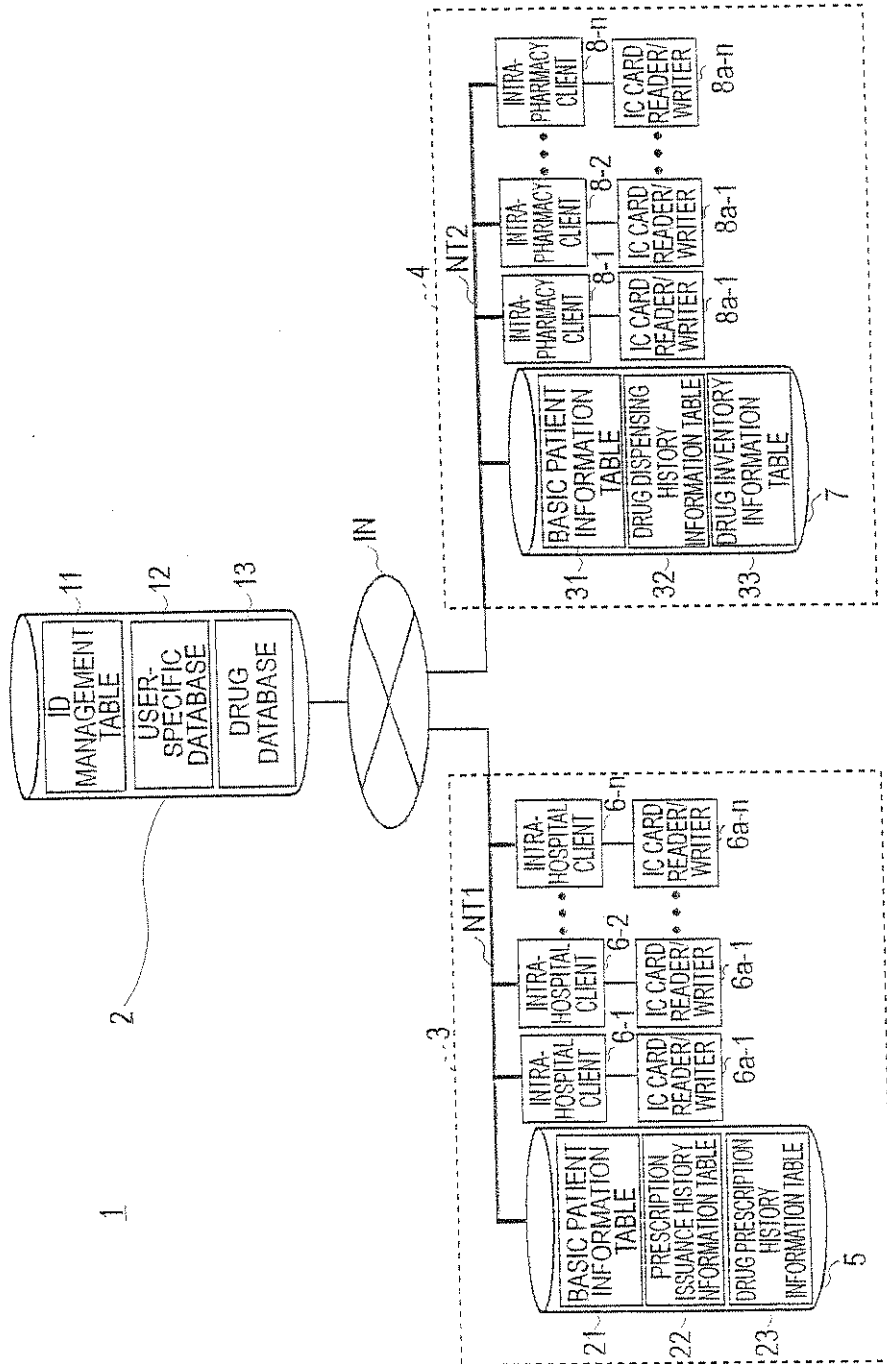


FIG.1
DRUG INFORMATION PROCESSING SYSTEM



CONFIGURATION OF DATA CENTER DATABASE

FIG.2A11 ID MANAGEMENT TABLE

CARD ID	USER DATABASE NAME
000001	DB_000001
000002	DB_000002
000003	DB_000003
⋮	⋮

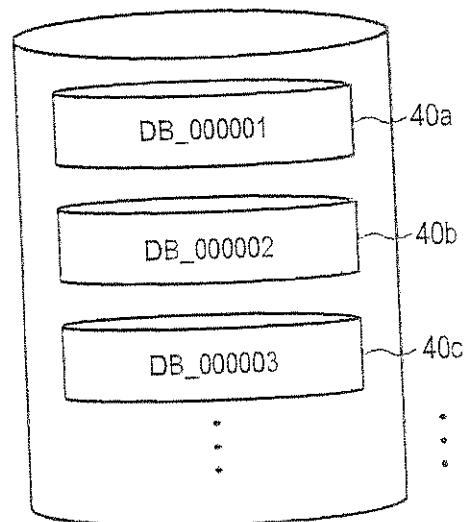
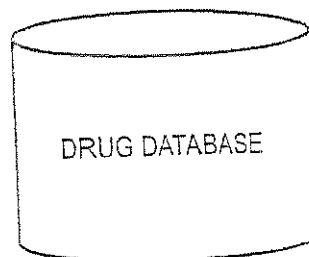
FIG.2B12 USER-SPECIFIC DATABASE**FIG.2C**13

FIG.3

CONFIGURATION OF USER DATABASE

40(40a,40b,40c, ...)

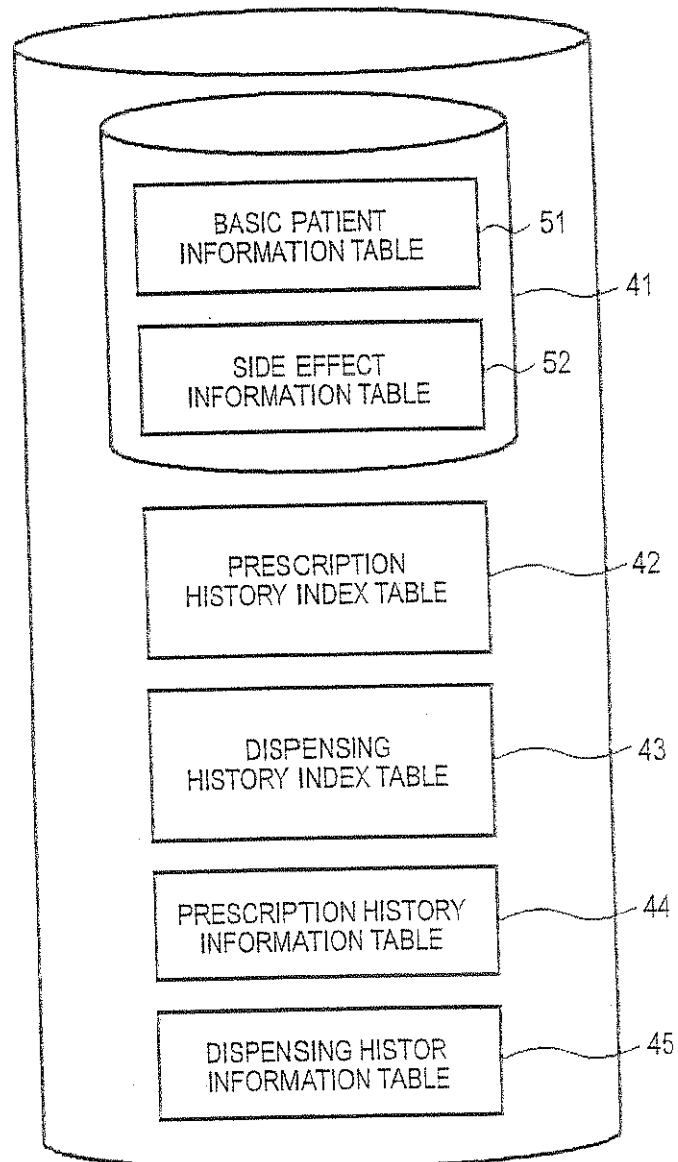


FIG.4A
51 BASIC PATIENT INFORMATION TABLE

INSURANCE SUBSCRIBER NUMBER	INSURANCE CARD CODE/ NUMBER	NAME	DATE OF BIRTH	ADDRESS	TELEPHONE NUMBER	GENERIC'S PREFERENCE	GENDER
01234567	AAA-1234567	TARO TANAKA	19871207	*-*-*-MAGARIMATSU, HADANO-SHI, KANAGAWA-KEN	%%-%%-%%-%%-%%-%%	YES	MALE

FIG.4B
52 SIDE EFFECT INFORMATION TABLE

DATE	DRUG ID THAT CAUSED SIDE EFFECTS	DRUG NAME THAT CAUSED SIDE EFFECTS	SYMPTOMS OF SIDE EFFECTS
20050217	11111111	TABLET A	LIMB TREMOR DID NOT STOP
20061127	22222222	TABLET B	DRY THROAT
20070809	33333333	TABLET C	REDDISH HIVES APPEARED OVER THE BODY
● ● ●			

CONFIGURATION OF PRESCRIPTION HISTORY INDEX
TABLE AND DISPENSING HISTORY INDEX TABLE

FIG.5A42 PRESCRIPTION HISTORY INDEX TABLE

PRESCRIPTION ID	ISSUANCE DATE AND TIME OF PRESCRIPTION INFORMATION	HOSPITAL NAME	HOSPITAL CONTACT INFORMATION	GENERICS PERMITTABILITY	PHARMACY DISPENSING COMPLETION FLAG
1	20080514 13:09:44	HOSPITAL A	00-0000- 0000	PERMITTED	COMPLETED
2	20081211 15:33:20	GENERAL HOSPITAL B	XX-XXXX- XXXX	NOT PERMITTED	COMPLETED
3	20090122 10:12:45	HOSPITAL C	## #####- #####	PERMITTED	COMPLETED
4	20090424 11:23:40	OTOLARYNGOLOGY CLINIC D	YY-YYYY- YYYY	PERMITTED	NOT COMPLETED
5	20090425 12:15:32	HOSPITAL E	!!-!!!!- !!!!	NOT PERMITTED	NOT COMPLETED
⋮					

FIG.5B43 DISPENSING HISTORY INDEX TABLE

DISPENSING HISTORY ID	ISSUANCE DATE AND TIME OF DISPENSING INFORMATION	PHARMACY NAME	PHARMACY CONTACT INFORMATION
1	20080514 14:19:21	PHARMACY A	* *- * * * *- * * * *
2	20081211 16:23:59	PHARMACY B	* *- * * * *- * * * *
3	20090123 10:52:42	PHARMACY C	&&-&&&&- &&&&
⋮			

CONFIGURATION OF PRESCRIPTION HISTORY INFORMATION
TABLE AND DISPENSING HISTORY INFORMATION TABLE

FIG.6A

44 PRESCRIPTION HISTORY INFORMATION TABLE

SERIAL NUMBER	PRESCRIPTION ID	PRESCRIPTION DRUG ID	NUMBER OF DAYS PRESCRIBED	FREQUENCY OF USE	DOSAGE
1	1	444444444	14	BEFORE SLEEPING	1
2	1	555555555	7	3 TIMES A DAY AFTER MEALS	2
3	2	666666666	14	TWICE A DAY AFTER BREAKFAST AND DINNER	1
⋮					

FIG.6B

45 DISPENSING HISTORY INFORMATION TABLE

SERIAL NUMBER	DISPENSING HISTORY ID	DISPENSING DRUG ID	NUMBER OF DAYS DISPENSED	FREQUENCY OF USE	DOSAGE
1	1	444444444	14	BEFORE SLEEPING	1
2	1	777777777	7	3 TIMES A DAY AFTER MEALS	2
3	2	888888888	14	TWICE A DAY AFTER BREAKFAST AND DINNER	1
⋮					

CONFIGURATION OF TABLES STORED IN INTRA-HOSPITAL DATABASE SERVER
21 BASIC PATIENT INFORMATION TABLE

PATIENT NUMBER	INSURANCE SUBSCRIBER NUMBER	INSURANCE CARD CODE/NUMBER	NAME	DATE OF BIRTH	ADDRESS	GENERIC'S SUBSTITUTION PREFERENCE	GENDER
1	01234567	AAA-1234567	TARO TANAKA	19871207	***, MAGARIMATSU, HADANO-SHI, KANAGAWA-KEN	YES	MALE
2	12345678	BBB-2345678	MIYAKO YAMADA	19880306	###, YORI, HADANO-SHI, KANAGAWA-KEN	NO	FEMALE
1	23456789	CCC-3456789	ICHIRO SUZUKI	19000101	***, MAGANUKI, HADANO-SHI, KANAGAWA-KEN	YES	MALE
...							

FIG.7A

22 PRESCRIPTION ISSUANCE HISTORY INFORMATION TABLE

PREScription NUMBER	PATIENT NUMBER	ISSUANCE DATE AND TIME OF PRESCRIPTION	GENERIC'S PERMITTABILITY
1	1	20080514 13:09:44	PERMITTED
2	2	20070523 15:33:20	NOT PERMITTED
3	5	20090122 10:12:45	PERMITTED
...			

FIG.7B

23 DRUG PRESCRIPTION HISTORY INFORMATION TABLE

SERIAL NUMBER	PATIENT NUMBER	PREScription DRUG ID	PREScription DRUG NAME	DRUG TYPE	NUMBER OF DAYS PRESCRIBED	METHOD OF USE	DOSAGE	DATE OF OCCURRENCE OF SIDE EFFECTS	SYMPTOMS OF SIDE EFFECTS
1	1	44444444	TABLET D	INTERNAL	14	BEFORE SLEEPING	1	---	---
2	1	55555555	TABLET E	INTERNAL	7	3 TIMES A DAY AFTER MEALS	2	---	---
3	2	99999999	TABLET F	INTERNAL	14	TWICE A DAY AFTER BREAKFAST AND DINNER	1	2007.5.25	COMPLAINED OF STOMACH PAIN AND NAUSEA
...									

FIG.7C

CONFIGURATION OF TABLES STORED IN INTRA-PHARMACY DATABASE SERVER
31 BASIC PATIENT INFORMATION TABLE

PATIENT NUMBER	INSURANCE SUBSCRIBER NUMBER	INSURANCE CARD CODE/NUMBER	NAME	DATE OF BIRTH	ADDRESS	GENERICS SUBSTITUTION PREFERENCE	GENDER
1	01234567	AAA-1234567	TARO TANAKA	19871207	#-##, MACARIMATSU, HADANO-SHI, KANAGAWA-KEN	YES	MALE
2	34567890	DDD-4567890	SHOTA SATO	19880401	***, JOUGE, HADANO-SHI, KANAGAWA-KEN	NO	MALE
⋮							

FIG.8A

32 DRUG DISPENSING HISTORY INFORMATION TABLE

SERIAL NUMBER	PATIENT NUMBER	ISSUANCE DATE AND TIME OF DISPENSING INFORMATION	DISPENSED DRUG ID	DISPENSED DRUG NAME	DRUG TYPE	NUMBER OF DAYS DISPENSED	METHOD OF USE	DOSAGE	DATE OF OCCURRENCE OF SIDE EFFECTS	SYMPTOMS OF SIDE EFFECTS
1	1	2007.5.23 13:05:20	444444444	TABLET D	INTERNAL	14	TWICE A DAY AFTER BREAKFAST AND DINNER	1	---	---
2	1	2007.5.23 13:05:20	777777777	TABLET G	INTERNAL	7	3 TIMES A DAY AFTER MEALS	1	---	---
3	3	2008.2.23 10:54:41	999999999	TABLET F	INTERNAL	7	3 TIMES A DAY AFTER MEALS	2	2008.6.15	LOST CONSCIOUSNESS
⋮										

FIG.8B

33 DRUG INVENTORY INFORMATION TABLE

SERIAL NUMBER	DRUG ID	DRUG NAME	CORRESPONDING ORIGINAL DRUG ID	ORIGINAL DRUG NAME	INVENTORY QUANTITY
1	111111111	TABLET A	---	---	528
2	777777777	TABLET G	555555555	TABLET E	440
3	444444444	TABLET D	---	---	1260
⋮					

FIG.8C

FIG. 9
CIRCUIT CONFIGURATION OF INTRA-HOSPITAL CLIENT AND INTRA-PHARMACY CLIENT

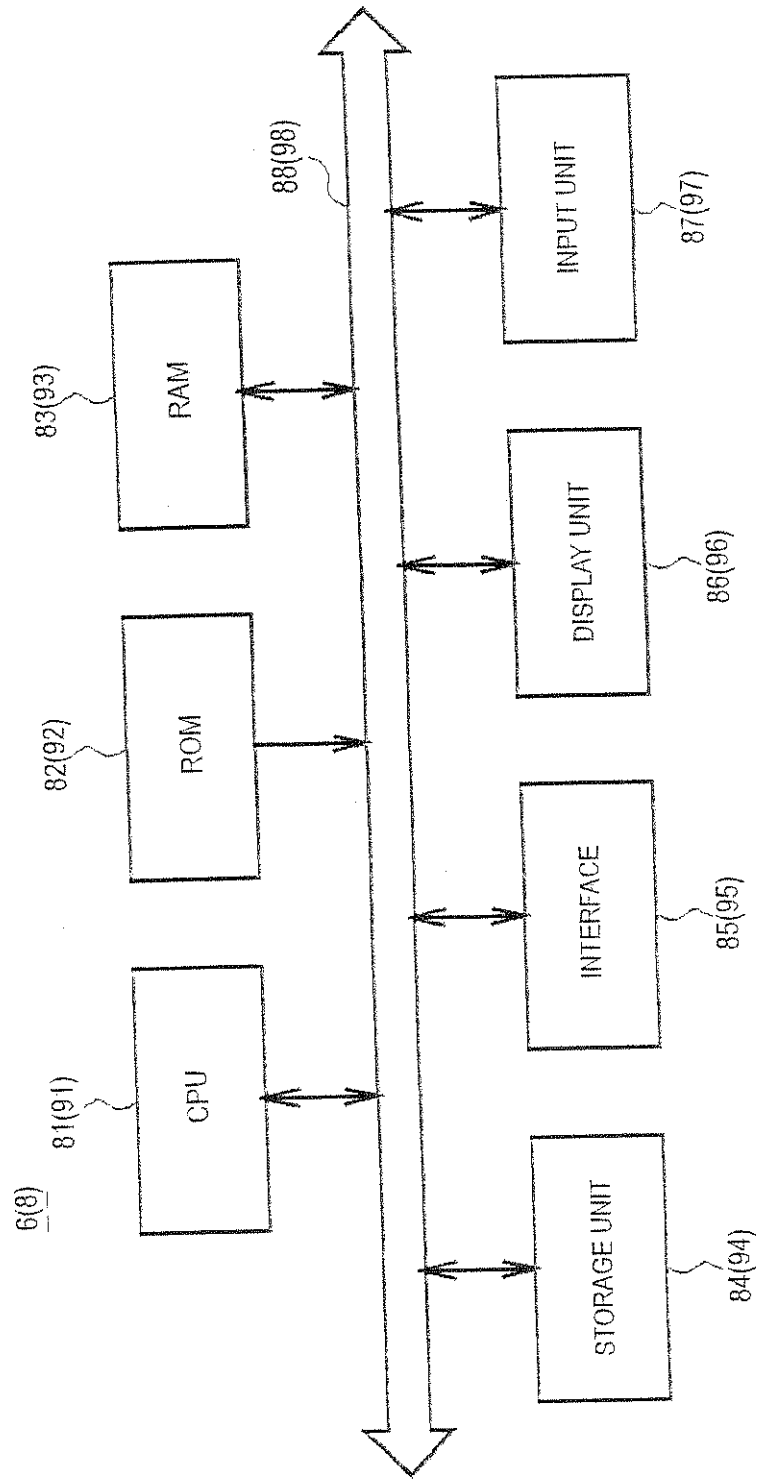


FIG.10

IC CARD REGISTRATION PROCESS PROCEDURE

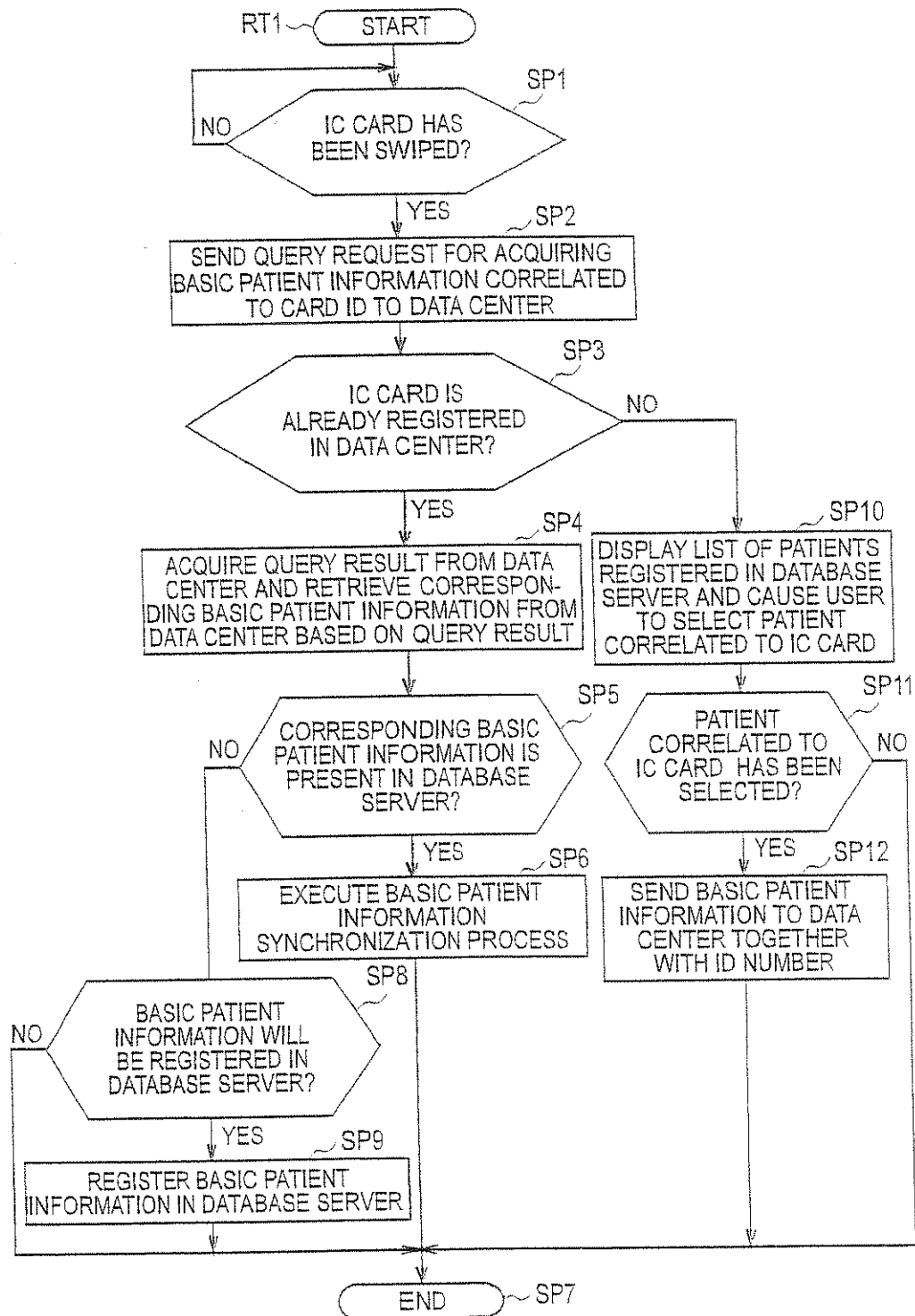


FIG. 11

ELECTRONIC DRUG CHART DISPLAY PROCESS

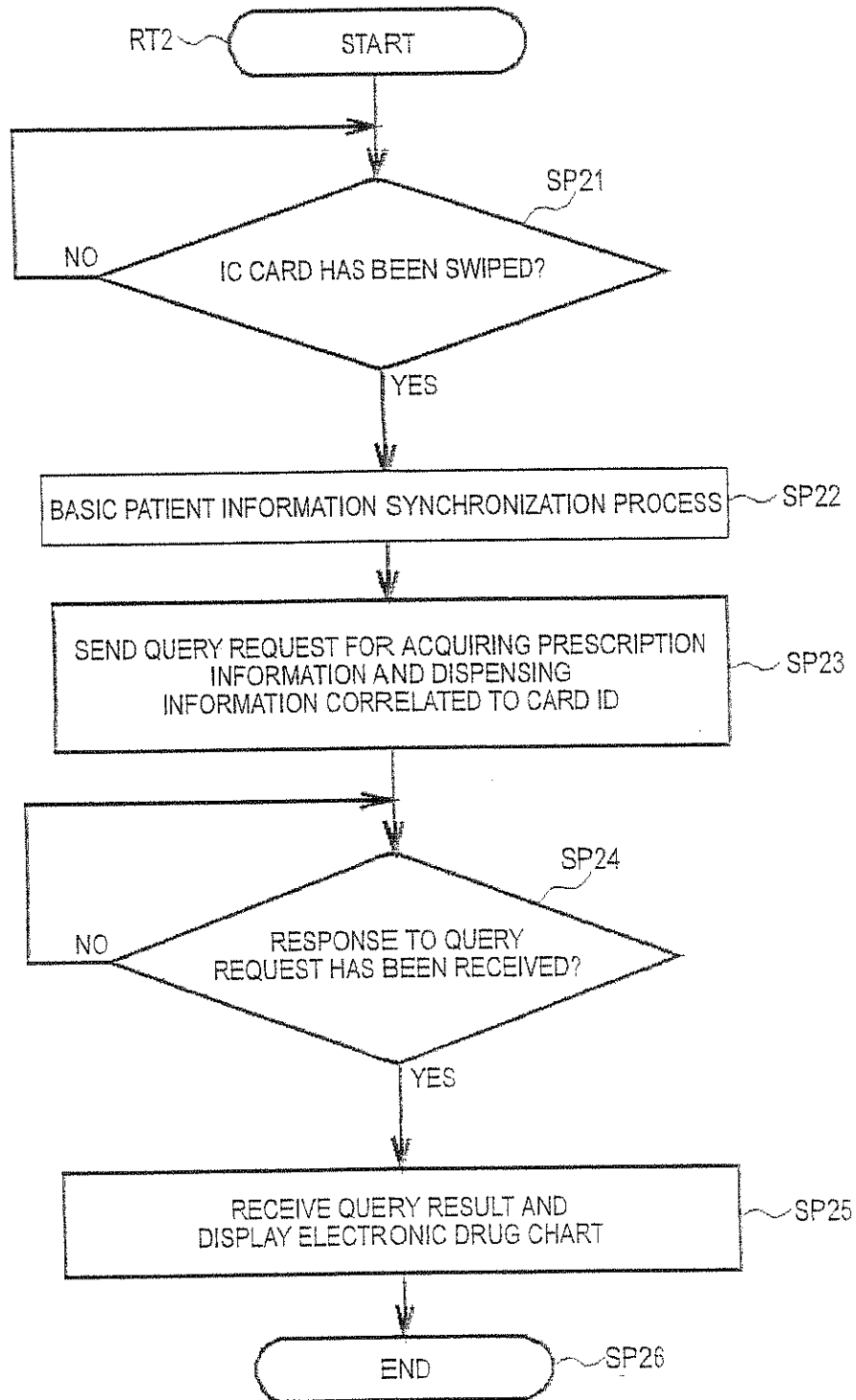


FIG.12

ELECTRONIC DRUG CHART DISPLAY SCREEN

100

ELECTRONIC DRUG CHART									
DISPENSING DATE	NUMBER OF DAYS	DISPENSED DRUG NAME	ORIGINAL DRUG NAME	DRUG TYPE	FREQUENCY OF USE	DATE OF OCCURRENCE OF SIDE EFFECTS	SYMPTOMS OF SIDE EFFECTS	DISPENSING PHARMACY NAME AND CONTACT INFORMATION	
20090325	14 DAYS	TABLET D	---	INTERNAL	BEFORE SLEEPING			PHARMACY C \$\$-\$\$\$-\$\$\$	
20081121	14 DAYS	TABLET E	TABLET F	INTERNAL	BEFORE SLEEPING			PHARMACY A **-***-***	
20081011	7 DAYS	TABLET G	---	INTERNAL	ONCE A DAY BEFORE DINNER	20081123	STOMACH PAIN, NAUSEA	PHARMACY A **-***-***	
20080905	28 DAYS	TABLET H	---	EARDROPS	BEFORE SLEEPING			PHARMACY D YY-YYY-YYY	
									<div>PREVIOUS</div> <div>NEXT</div>

FIG. 13

PRESCRIPTION INFORMATION REGISTRATION PROCESS PROCEDURE (1)

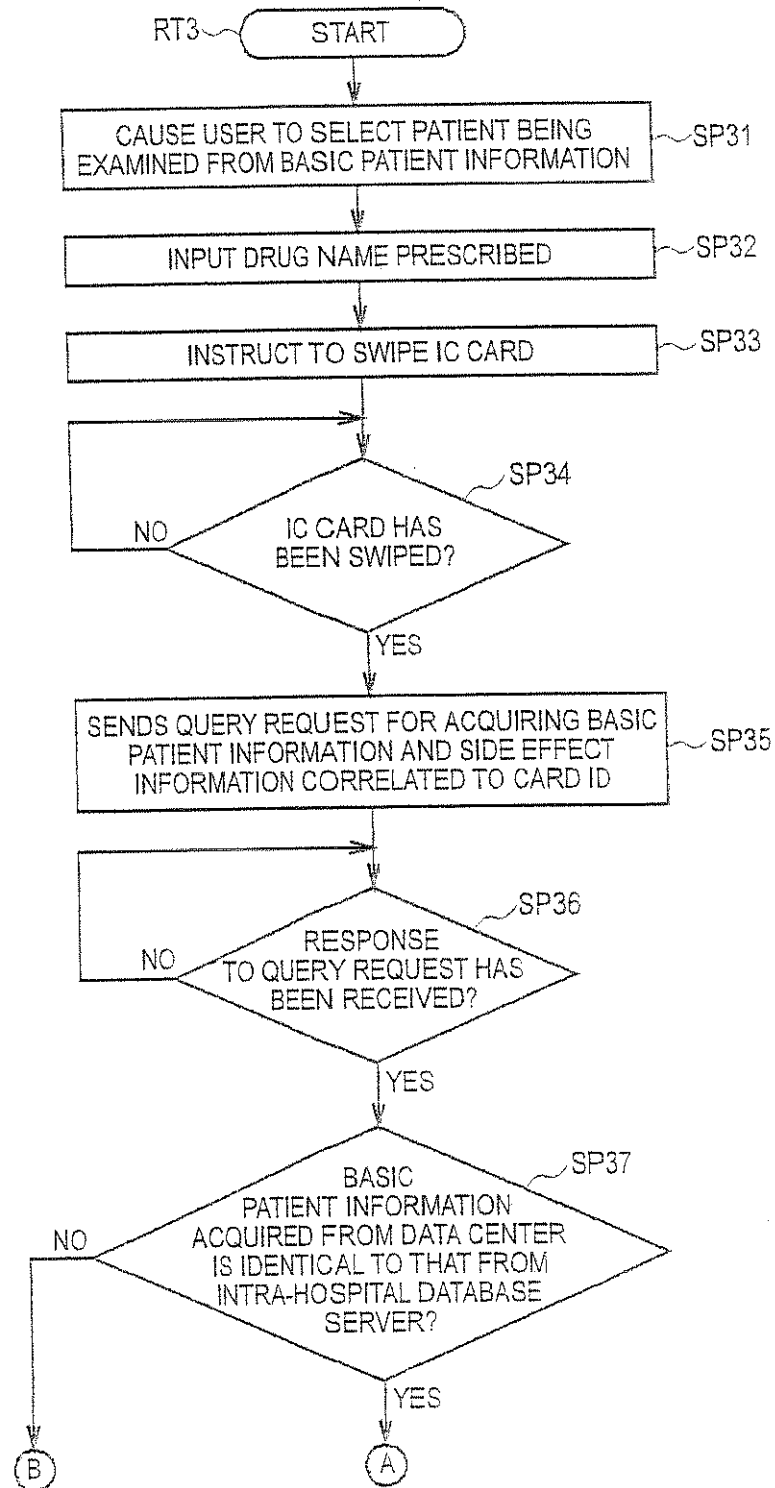


FIG.14

PRESCRIPTION INFORMATION REGISTRATION PROCESS PROCEDURE (2)

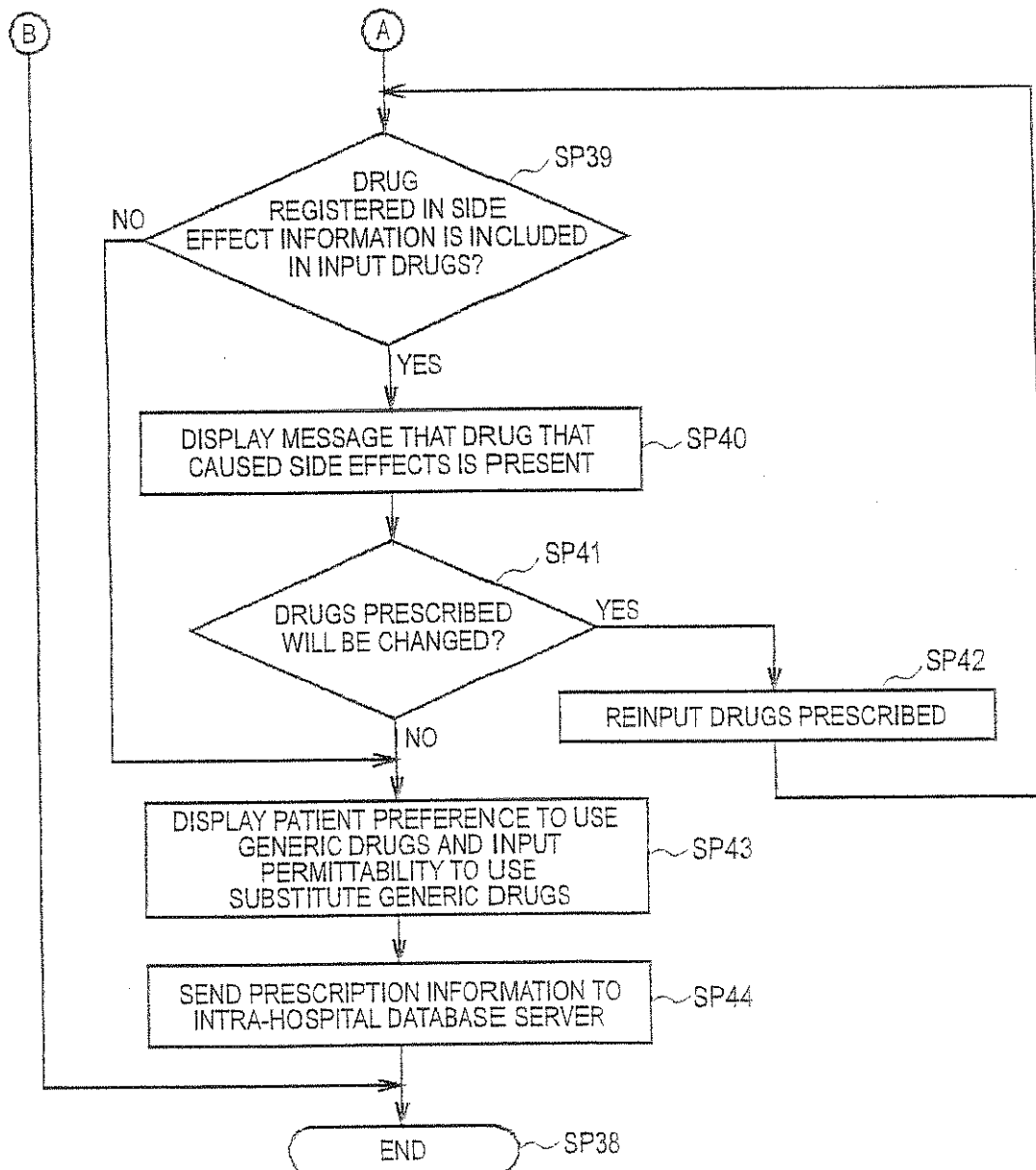


FIG. 15

PRESCRIPTION INFORMATION RECORDING PROCESS PROCEDURE

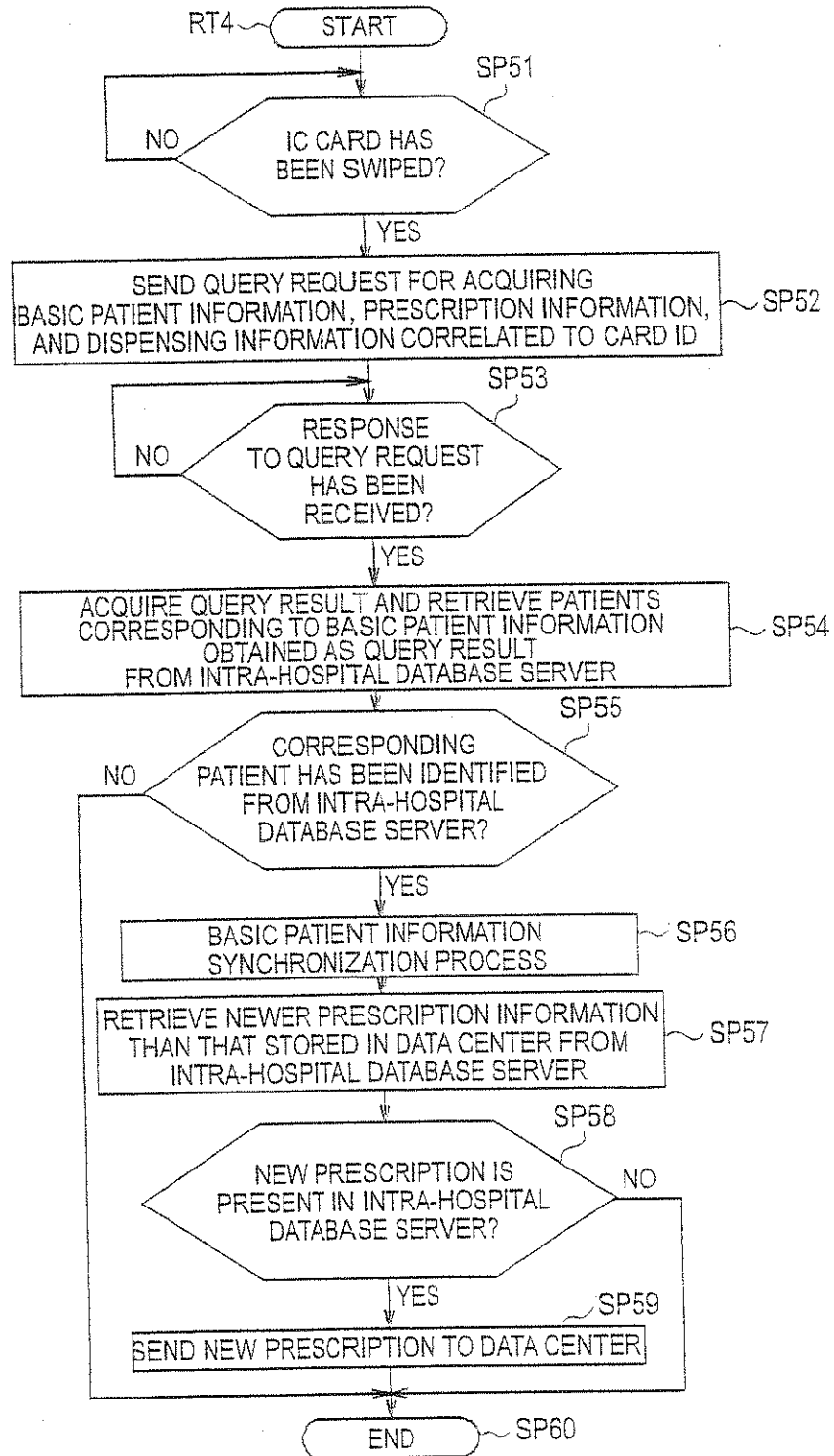


FIG.16

DISPENSING INFORMATION REGISTRATION PROCESS PROCEDURE (1)

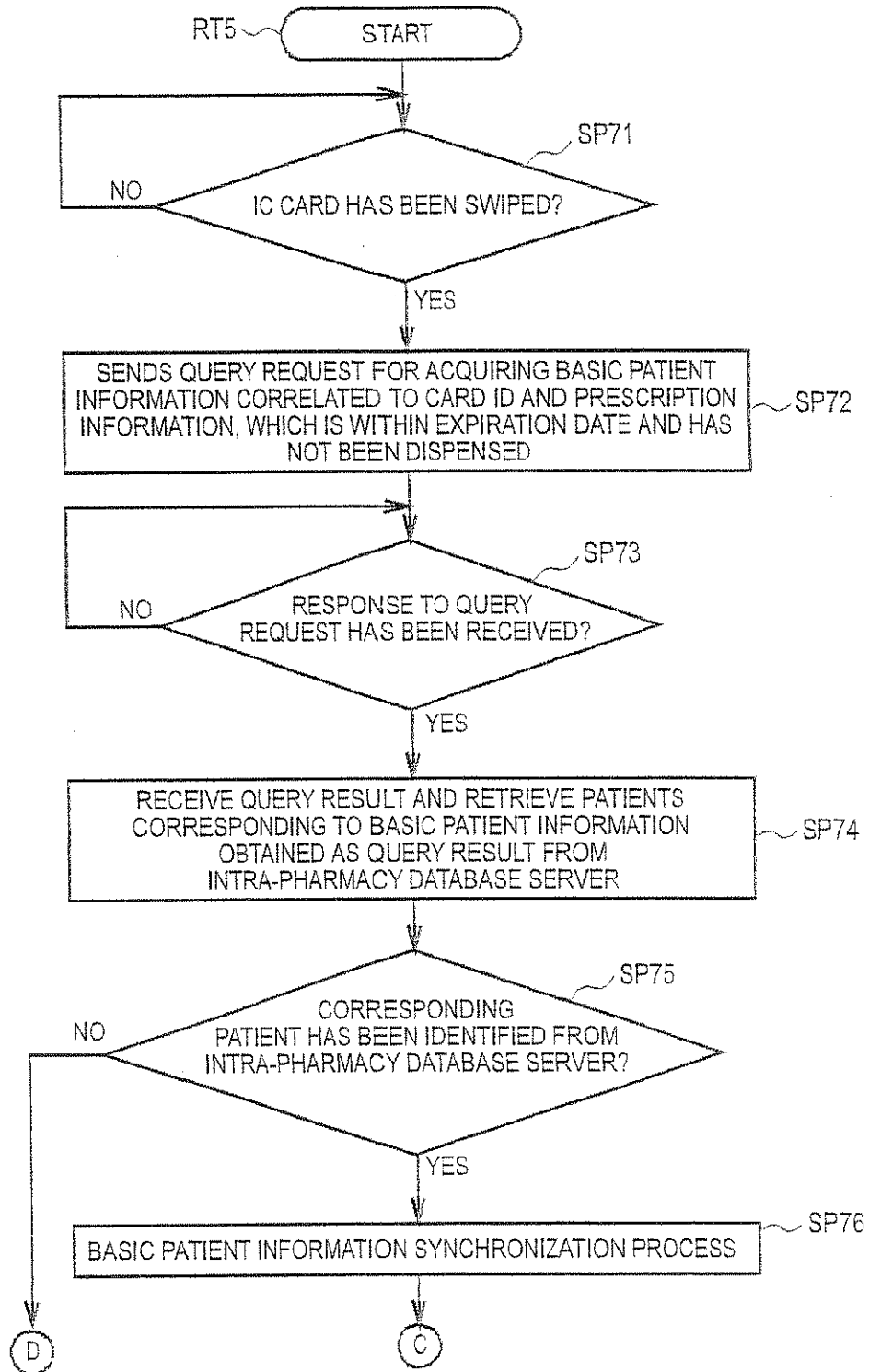


FIG.17

DISPENSING INFORMATION REGISTRATION PROCESS PROCEDURE (2)

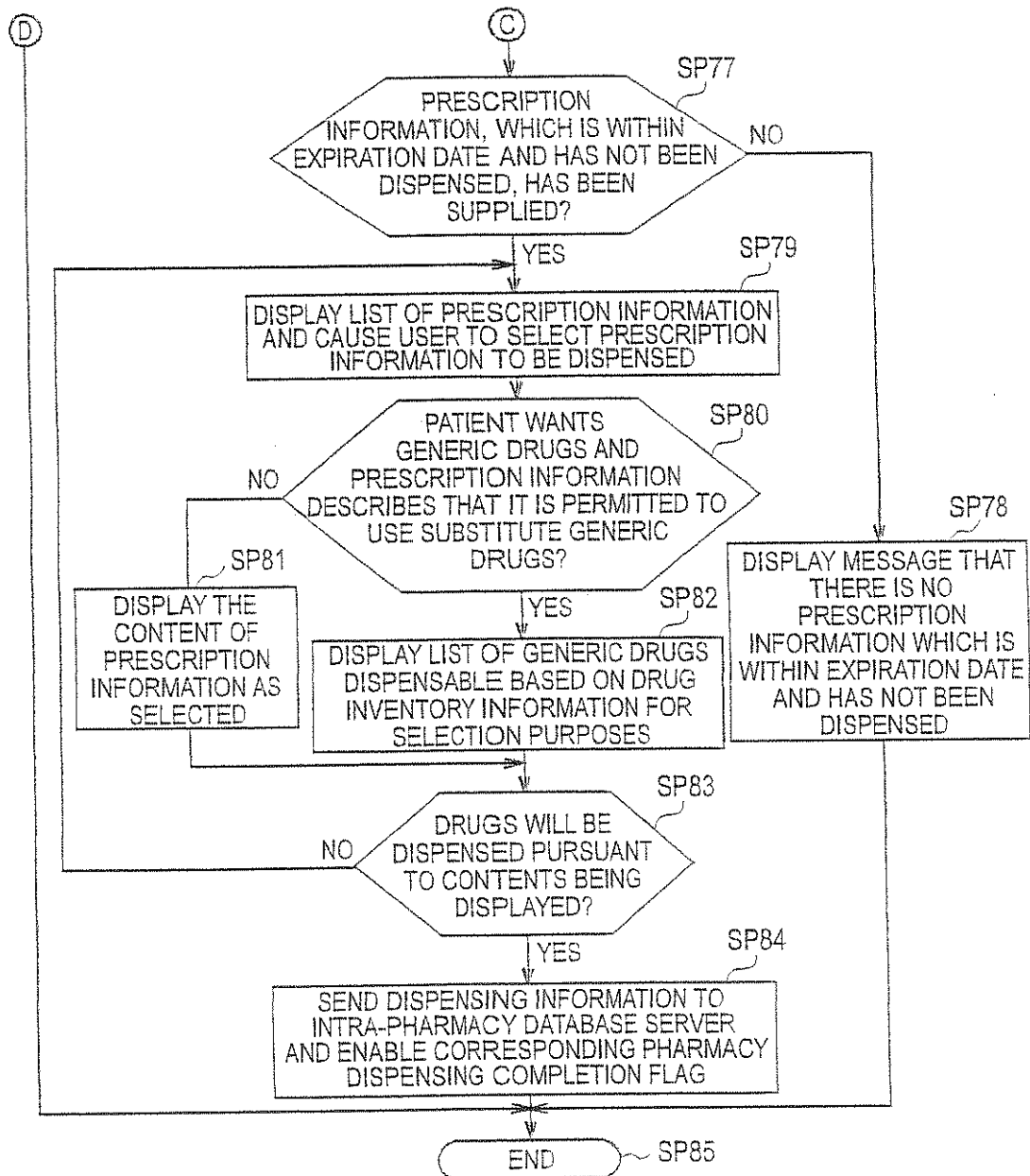


FIG.18

PRESCRIPTION INFORMATION SELECTION SCREEN

100

PLEASE SELECT PRESCRIPTION TO BE DOWNLOADED

PRESENT DATE
2009.04.26

SELECTION BUTTON	SERIAL NUMBER	ISSUANCE DATE OF PRESCRIPTION	HOSPITAL NAME	HOSPITAL CONTACT INFORMATION
<input type="button" value="SELECT"/>	1	2009.04.25	HOSPITAL E	!!-!!!-!!!!
<input type="button" value="SELECT"/>	2	2009.04.24	OTOLARYNGOLOGY CLINIC D	YY-YYYY-YYYY

DISPENSING DRUG SELECTION SCREEN

FIG. 19A

120a

PRESCRIPTION: "CHANGEABLE", PATIENT GENERICS PREFERENCE: "YES"

SERIAL NUMBER	PRESCRIPTION DRUG NAME	NUMBER OF DAYS PRESCRIBED	FREQUENCY OF USE	DOSAGE
1	TABLET B	7 DAYS	AFTER MEALS	2 TABLETS
2	TABLET C	14 DAYS	BEFORE SLEEPING	1 TABLET
	TABLET E			
	TABLET F			

PHARMACISTS ARE ALLOWED TO SELECT GENERICS

FIG. 19B

120b

PRESCRIPTION: "NOT CHANGEABLE", PATIENT GENERICS PREFERENCE: "NO"

SERIAL NUMBER	PRESCRIPTION DRUG NAME	NUMBER OF DAYS PRESCRIBED	FREQUENCY OF USE	DOSAGE
1	TABLET B	7 DAYS	AFTER MEALS	2 TABLETS
2	TABLET C	14 DAYS	BEFORE SLEEPING	1 TABLET

PHARMACISTS ARE NOT ALLOWED TO SELECT GENERICS

FIG. 19C

120c

PRESCRIPTION: "NOT CHANGEABLE", PATIENT GENERICS PREFERENCE: "YES"

SERIAL NUMBER	PRESCRIPTION DRUG NAME	NUMBER OF DAYS PRESCRIBED	FREQUENCY OF USE	DOSAGE
1	TABLET B	7 DAYS	AFTER MEALS	2 TABLETS
2	TABLET C	14 DAYS	BEFORE SLEEPING	1 TABLET

PHARMACISTS ARE NOT ALLOWED TO SELECT GENERICS

FIG. 19D

120d

PRESCRIPTION: "CHANGEABLE", PATIENT GENERICS PREFERENCE: "NO"

SERIAL NUMBER	PRESCRIPTION DRUG NAME	NUMBER OF DAYS PRESCRIBED	FREQUENCY OF USE	DOSAGE
1	TABLET B	7 DAYS	AFTER MEALS	2 TABLETS
2	TABLET C	14 DAYS	BEFORE SLEEPING	1 TABLET

PHARMACISTS ARE NOT ALLOWED TO SELECT GENERICS

FIG. 20

DISPENSING INFORMATION RECORDING PROCESS PROCEDURE

