

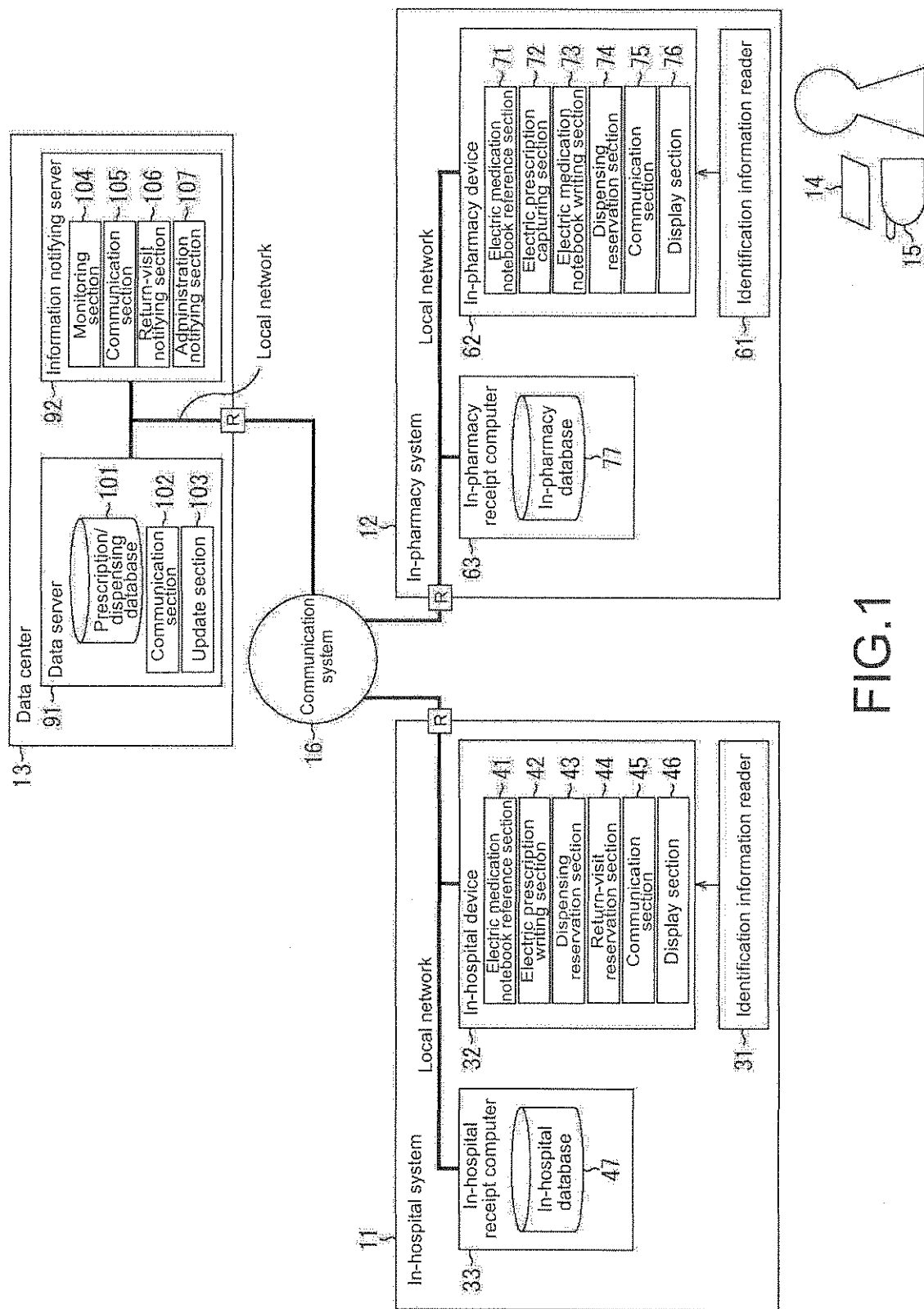


FIG.1

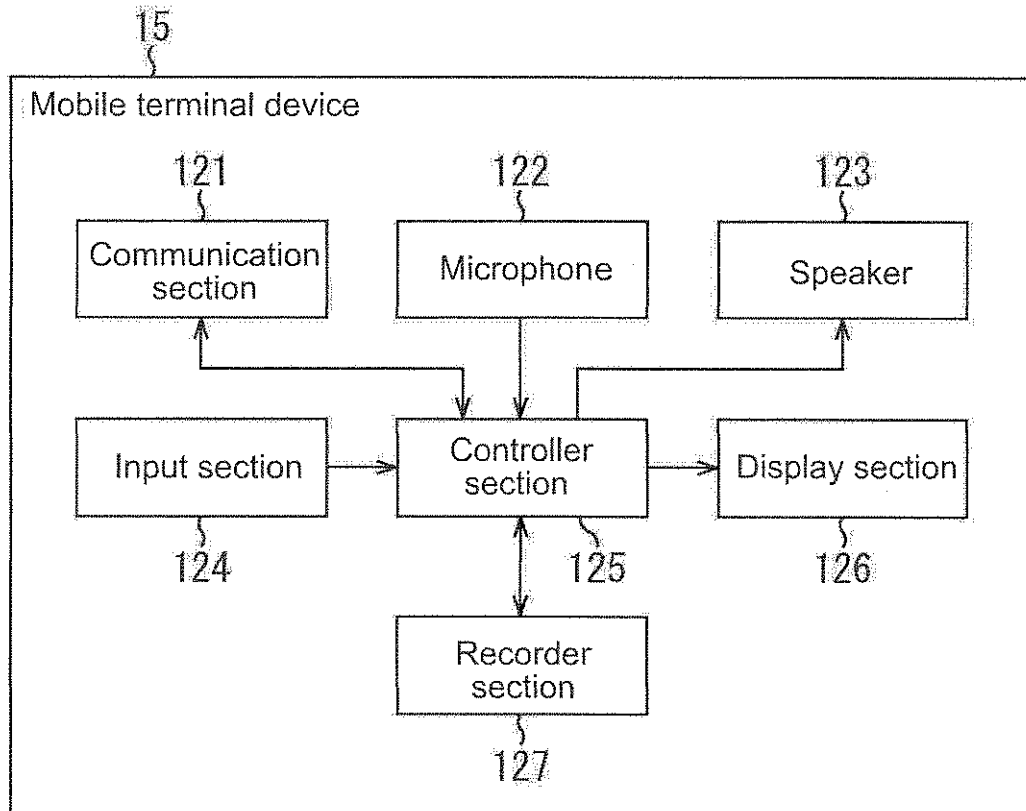


FIG.2

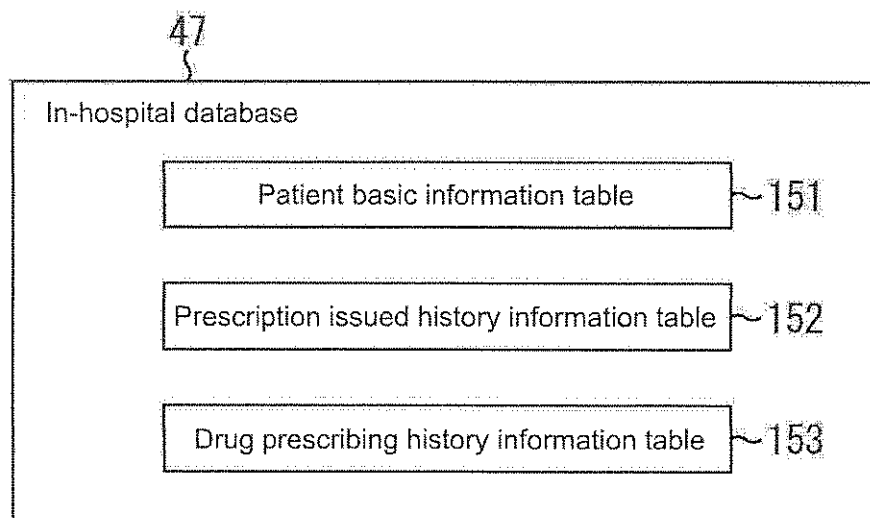


FIG.3

Patient number	Insurer number	Insurance card code/number	Name	Date of birth	Address	Telephone number	Email address	Sex
1	06223118	123-344928	Taro Tanaka	1975. 10. 26	5-2-33 Minami-kashiwa, Kashiwa-shi, Chiba	04-7167-2293	taroh@ibm.com	Male
2	04342339	ABC-3382997	Hanako Takahashi	1976. 11. 17	2-3-11-405 Matsudo, Matsudo-shi, Chiba	04-3279-0093	hanako@flowers.net	Female
3	03449388	331-4893221	Ichiro Suzuki	1973. 05. 29	3-5-23 Shinmachi, Kashiwa-shi, Chiba	04-7145-2231	suzu16@mariners.ne.jp	Male

FIG.4

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Prescription number	Patient number	Prescription issue date/time	Change to generics OK/NG
1	1	20080514 13:09:44	OK
2	2	20070523 15:33:20	NG
3	5	20090122 10:12:45	OK

↑
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FIG.5

Serial number	Prescription number	Prescribed drug ID	Prescribed drug name	Type	Number of days of prescription	Frequency of use	Quantity per dose	Date of occurrence of adverse effect	Detailed adverse effect
1	1	1014846010201	Depas tablet 0.5mg	Internal use	14	Before going to bed	1		
2	1	1053074010101	Celestamine tablet	Internal use	7	Three times a day/after every meal	2		
3	2	1009880010101	Loxonin tablet	Internal use	14	Twice a day/after breakfast and supper	1	2007.5.25	Stomachache and nausea
4	...								

FIG.6

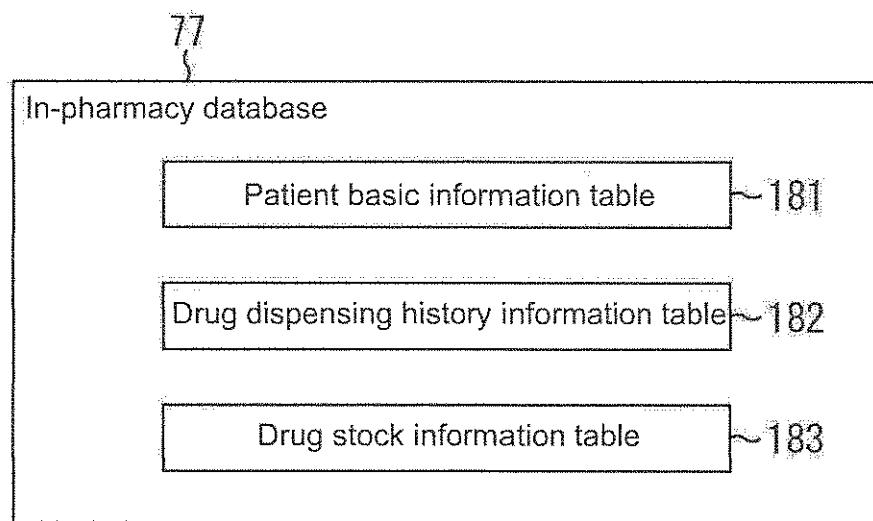


FIG.7

Serial number	Patient number	Dispensing date/time	Drug ID	Dispensed drug name	Type	Number of days of prescription	Frequency of use	Quantity per dose	Date of occurrence of adverse effect	Detailed adverse effect
1	1	2007. 5. 23 13:05:20	1009880010101	Loxonin tablet	Internal use	14	Twice a day/after breakfast and supper	1	---	---
2	2	2008. 6. 11 17:22:35	1014860010201	Eticalm tablet	Internal use	7	Three times a day/after every meal	1	2008. 6. 15	Lost consciousness
3	3	2007. 02. 23 10:54:41	1053074010101	Celestamine tablet	Internal use	7	Three times a day/after every meal	2	---	---
4	...									

FIG.8

Serial number	Drug ID	Drug name	Corresponding original drug ID	Corresponding original drug name	Stock amount
1	1009880010101	Loxonin tablet	---	---	528
2	1014860010201	Eticalm tablet	1014846020102	Depas tablet	440
3	1053074010101	Celestamine tablet	---	---	1260
4	...				

FIG.9

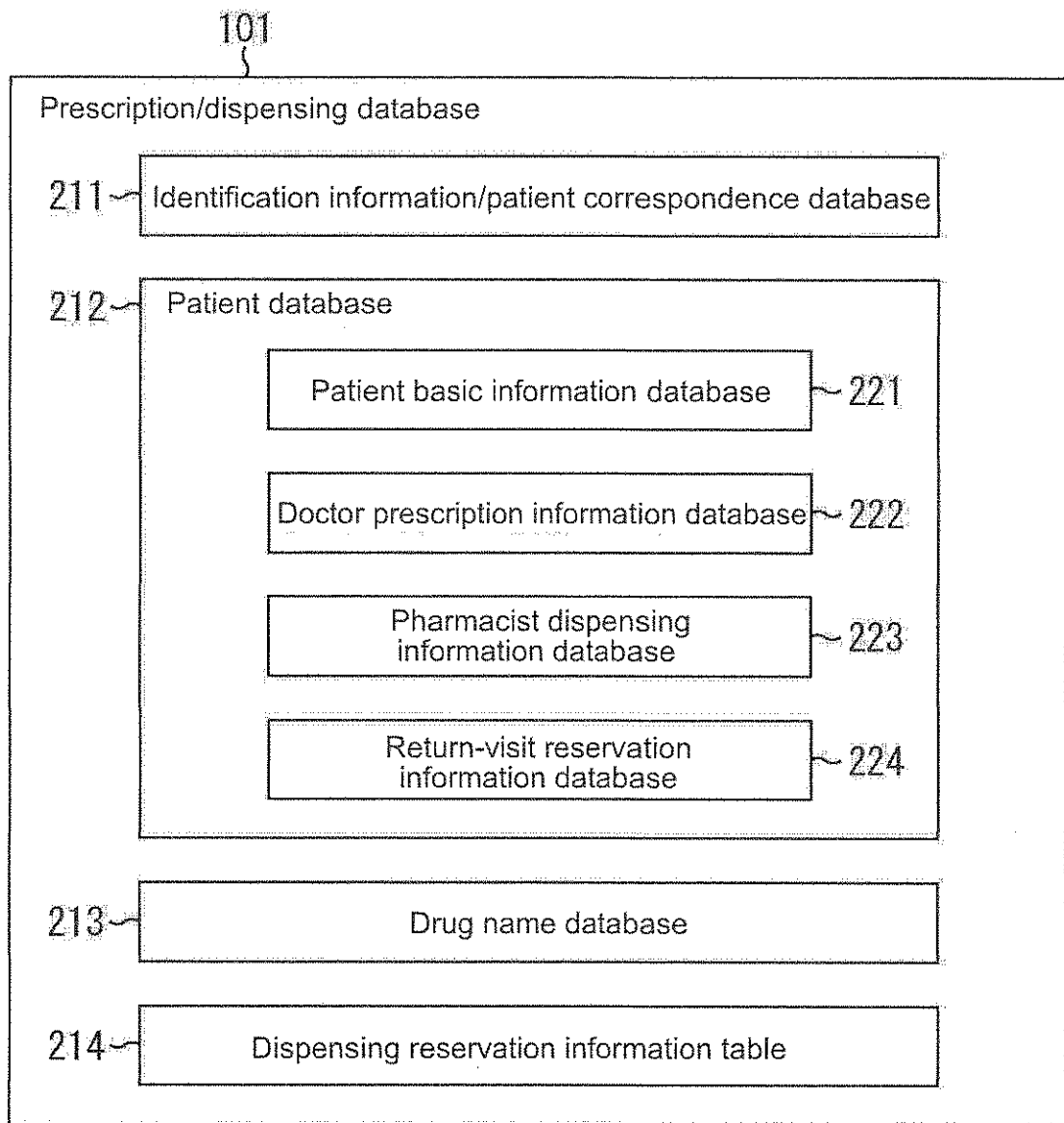


FIG.10

Identification information	Database name for each patient
000000000000000001	DB_000000000000000001
000000000000000002	DB_000000000000000002
000000000000000003	DB_000000000000000003

↑
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FIG.11

Patient basic information database

Insurer number	Insurance card code/number	Date of birth	Telephone number	Email address	Request for generics	Request for drug shape	Break-fast time	Lunch time	Supper time	Time of sleep
06223118	123-344928	19751026	03-2311-4514	hoge@gmail.com	Yes	Powder	0700	1200	1900	2300

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Date	ID of drug that generates adverse effect	Name of drug that generates adverse effect	Detailed adverse effect
20050217	1014884010101	Guperies tablet	Shaking in a limb
20061127	1014976010102	Etizolan tablet	Thirst
20070809	101495020201	Dezolan tablet 0.5mg	Red hives

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FIG.13

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Doctor prescription information database

Prescription ID	Prescription information writing date/time	Medical institution name	Doctor name	Medical institution contact information	Change to generics OK/NG	Pharmacy dispensing status
1	20080514 13:09:44	A clinic	Yoshinori Takagi	03-2345-6789	OK	Dispensed
2	20081211 15:33:20	B general hospital	Tetsuhiko Arimitsu	03-4545-2312	NG	Dispensed
3	20090122 10:12:45	C hospital	Tetsuya Murakami	04-7123-4336	OK	Dispensed
4	20090424 11:23:40	Tanaka otolaryngologist	Tsuyoshi Tanaka	03-4244-1209	OK	Non-dispensed
5	20090425 12:15:32	Kanto hospital	Shinsuke Aratani	03-5462-2500	NG	Dispensing-reserved

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Serial number	Prescription ID	Prescribed drug identification ID	Number of days of prescription	Frequency of use	Quantity per dose
1	1	1014846010201	14	Before going to bed	1
2	1	1053074010101	7	Three times a day/after every meal	2
3	2	1009880010101	14	Twice a day/after breakfast and supper	1
4					

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FIG.14

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Pharmacist dispensing information database

Dispensing history ID	Dispensing information writing date/time	Pharmacy name	Pharmacist name	Pharmacy contact information
1	20080514 14:19:21	Nikoniko pharmacy	Mitsuko Kumagai	03-2345-7766
2	20081211 16:23:59	Nikoniko pharmacy	Mitsuko Kumagai	03-2345-7766
3	20090123 10:52:42	Sakura pharmacy	Shinobu Yamada	04-7124-6512


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Serial number	Dispensing history ID	Dispensed drug identification ID	Number of days of dispensing	Frequency of use	Quantity per dose
1	1	1014853020101	14	Before going to bed	1
2	1	1053074010101	7	Three times a day/after every meal	2
3	2	1010039010102	14	Twice a day/after breakfast and supper	1
4					


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Serial number	Next hospital-visit appointment day	Medical institution name	Message	Hospital visit reservation system URL
1	200800528	A clinic		https://www.reserve.com
2	20090202	C hospital	Bring insurance card next month.	https://murakami.ne.jp
3	20090411	Tanaka otolaryngologist		
3	20090505	Kanto hospital	Bring urine sample.	http://kantou.jp/yyk.html

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FIG.15

Serial number	Dispensing reservation date/time	Database name for each patient	Prescription ID	Sending destination pharmacy ID	Pharmacy acceptance flag
1	20090425 12:32:02	DB_000000000000000001	5	1	Acceptance
2	20090221 15:21:24	DB_000000000000000002	7	4	Non-acceptance

FIG.16

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FIG.17

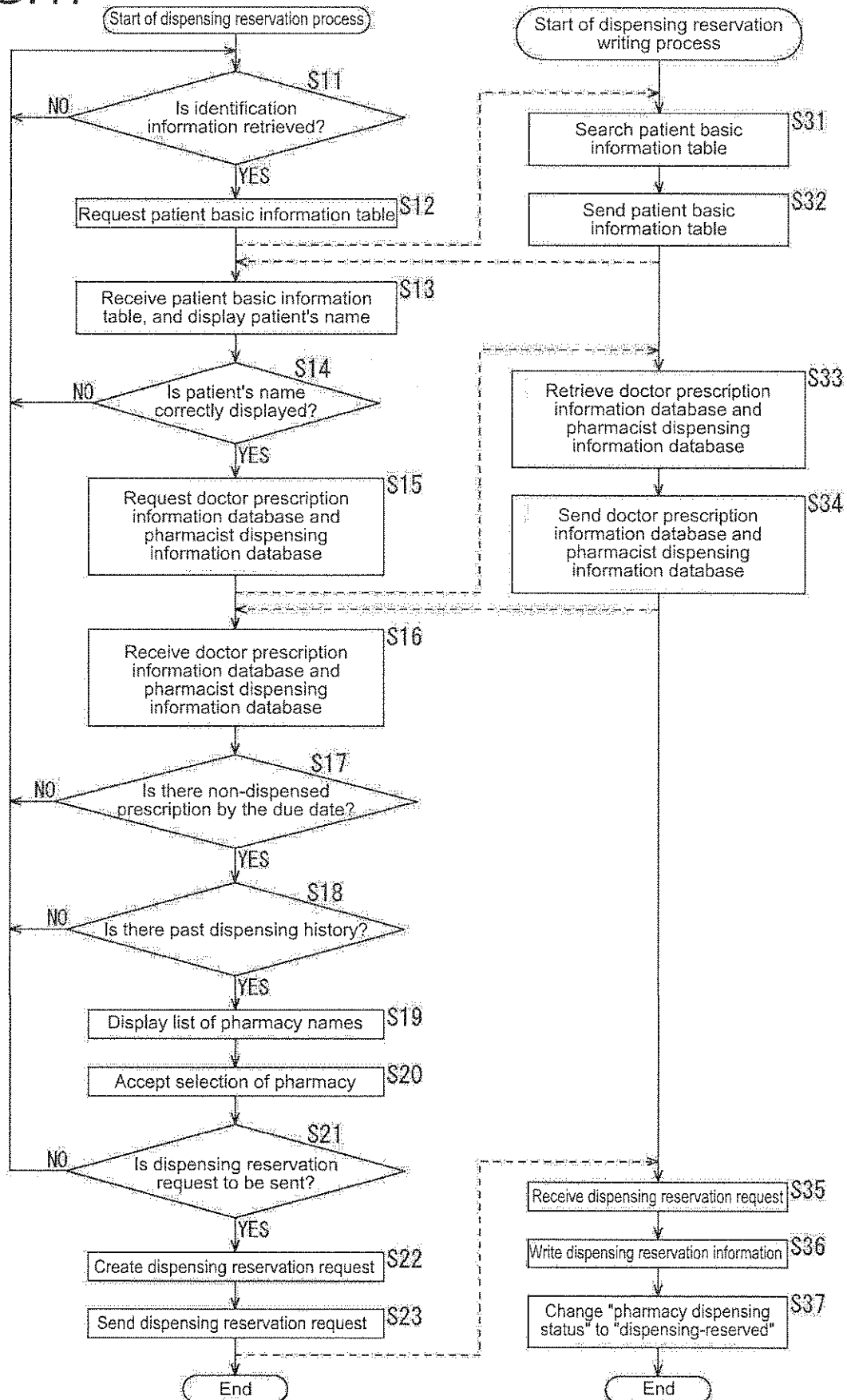


FIG.18

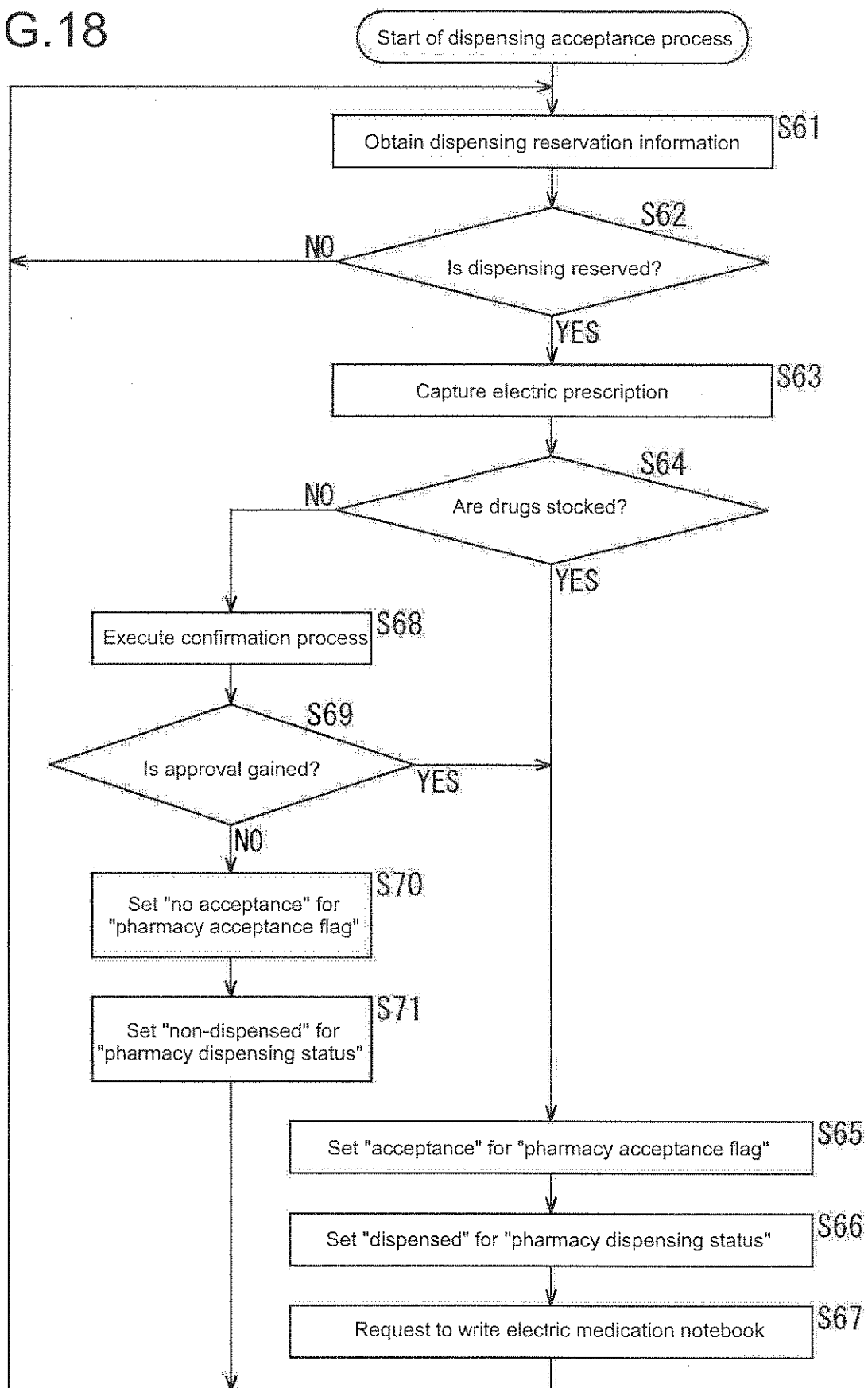


FIG.19

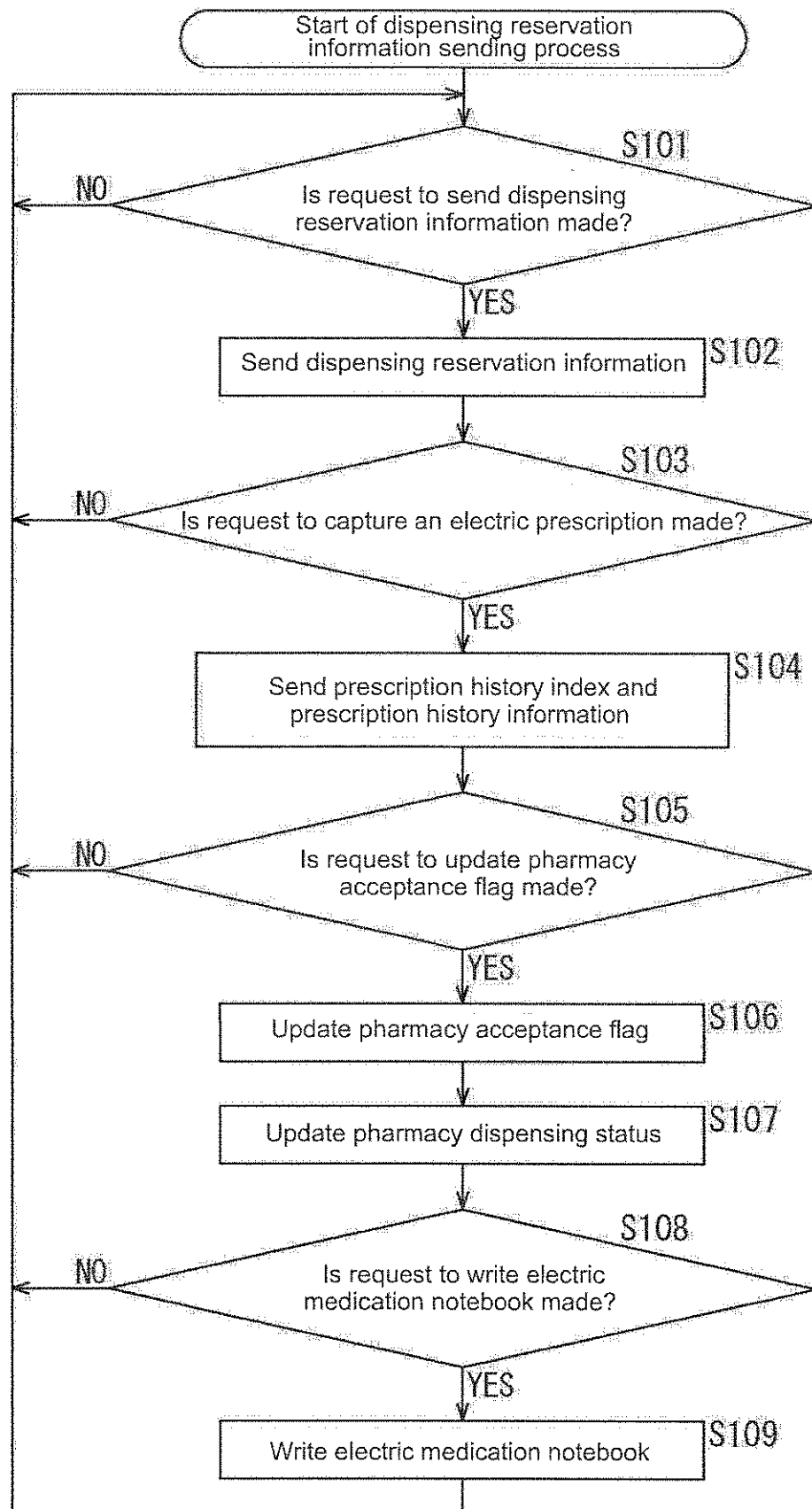


FIG.20

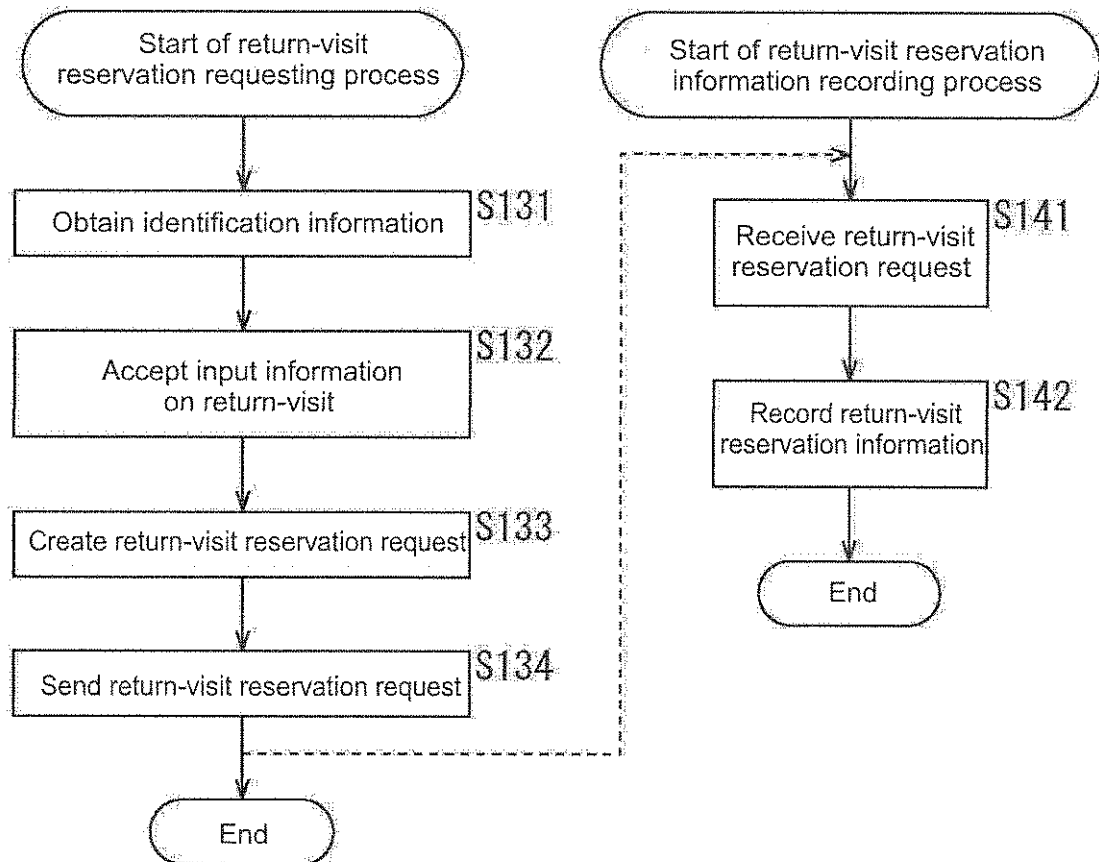


FIG.21

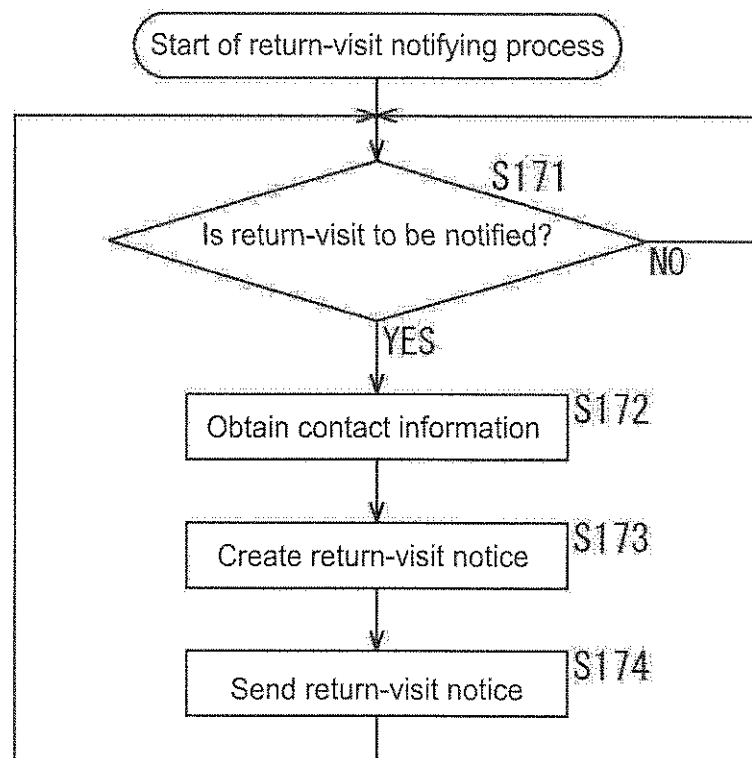


FIG.22

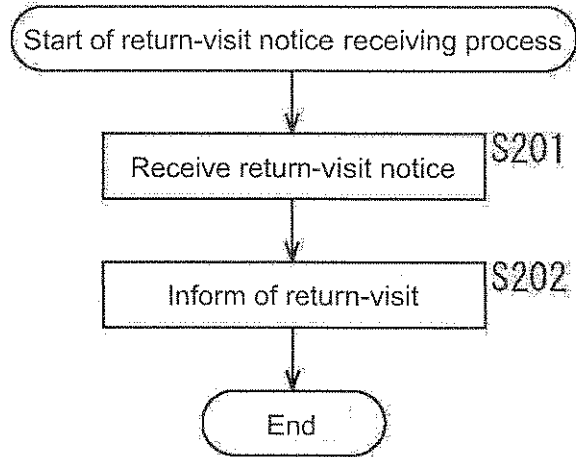
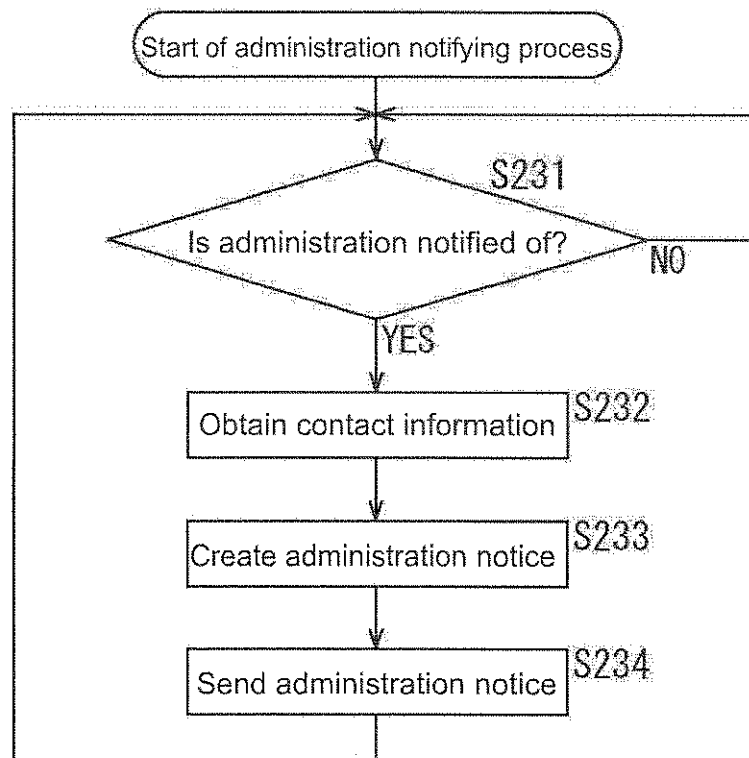


FIG.23



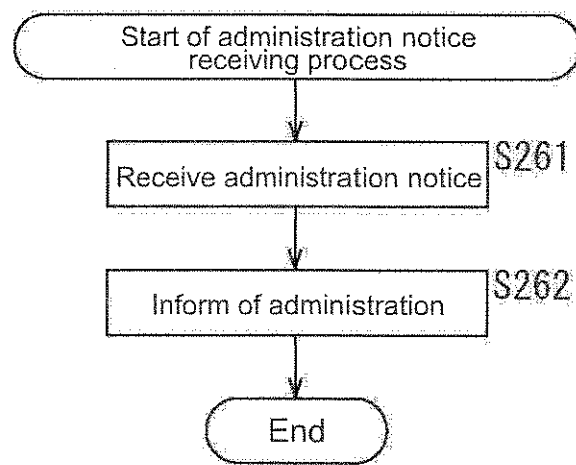


FIG.24

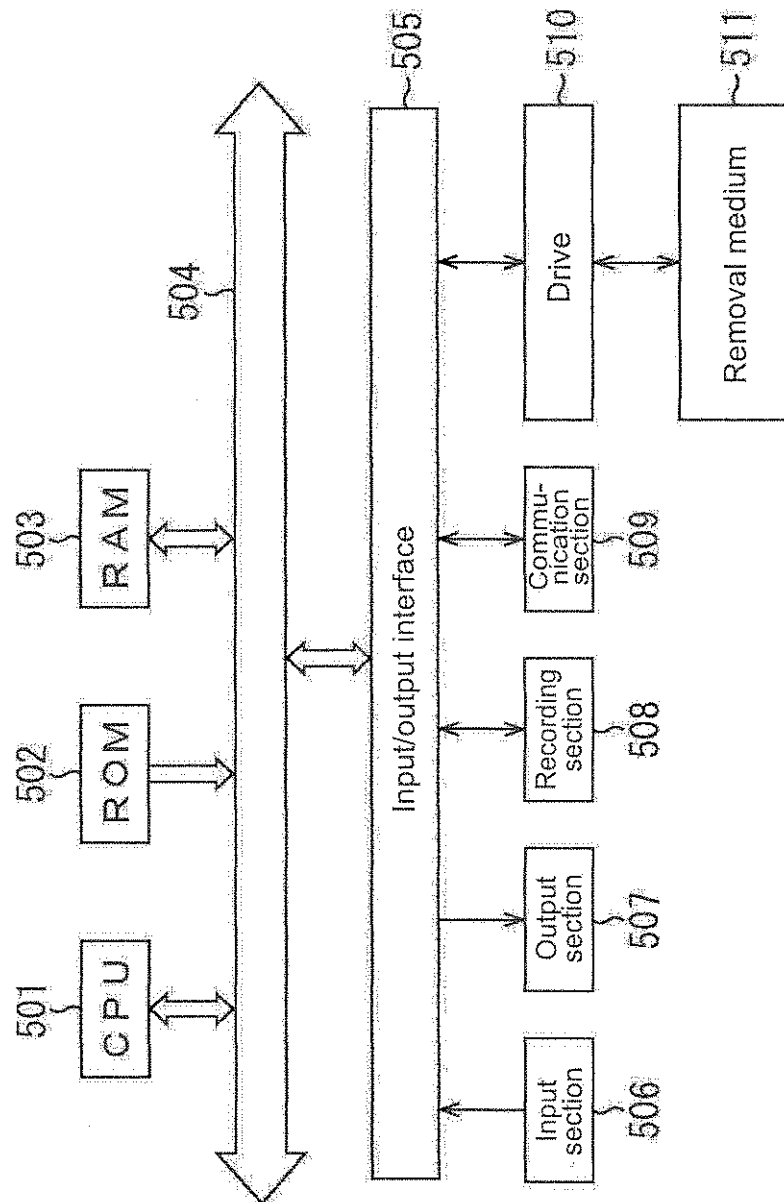


FIG.25