

FIG. 1

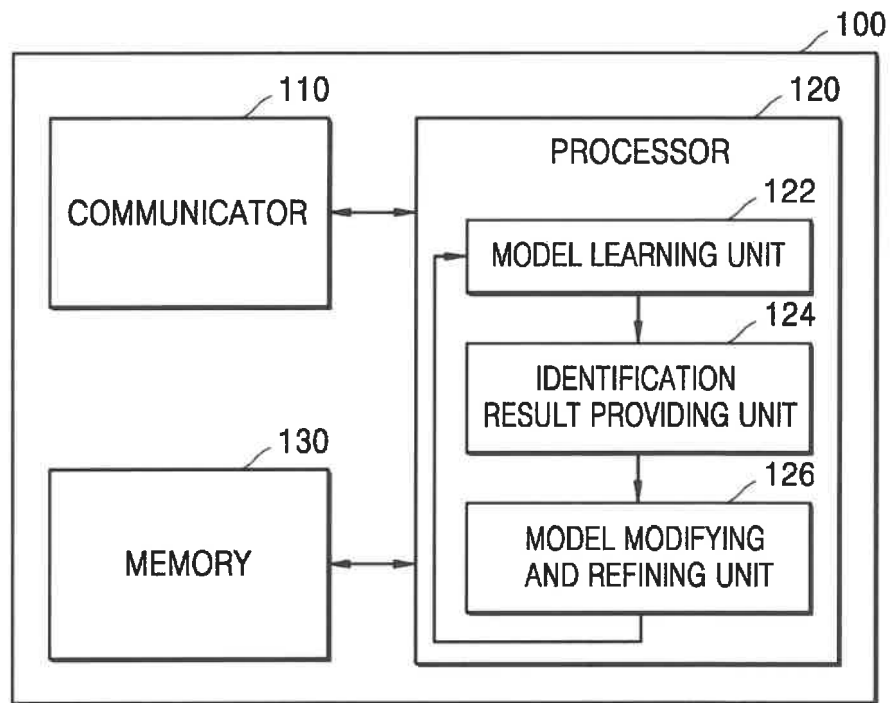


FIG. 2

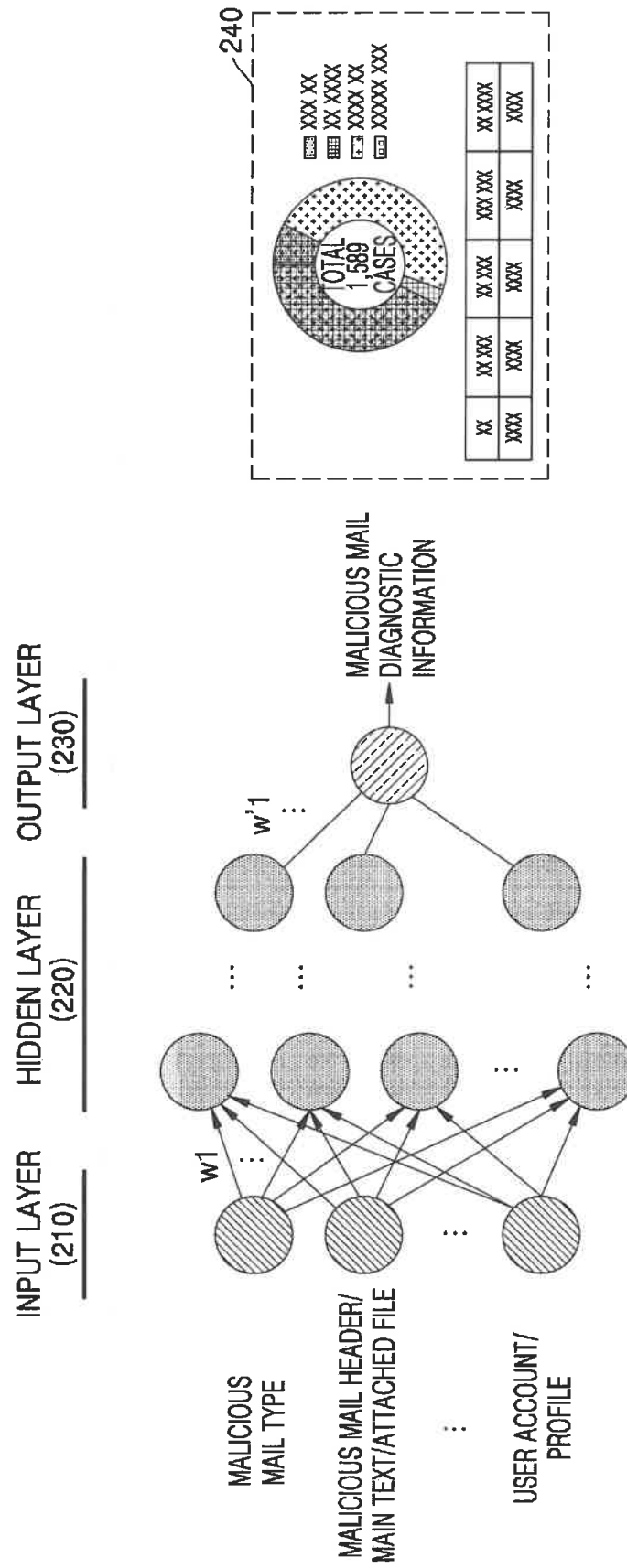


FIG. 3

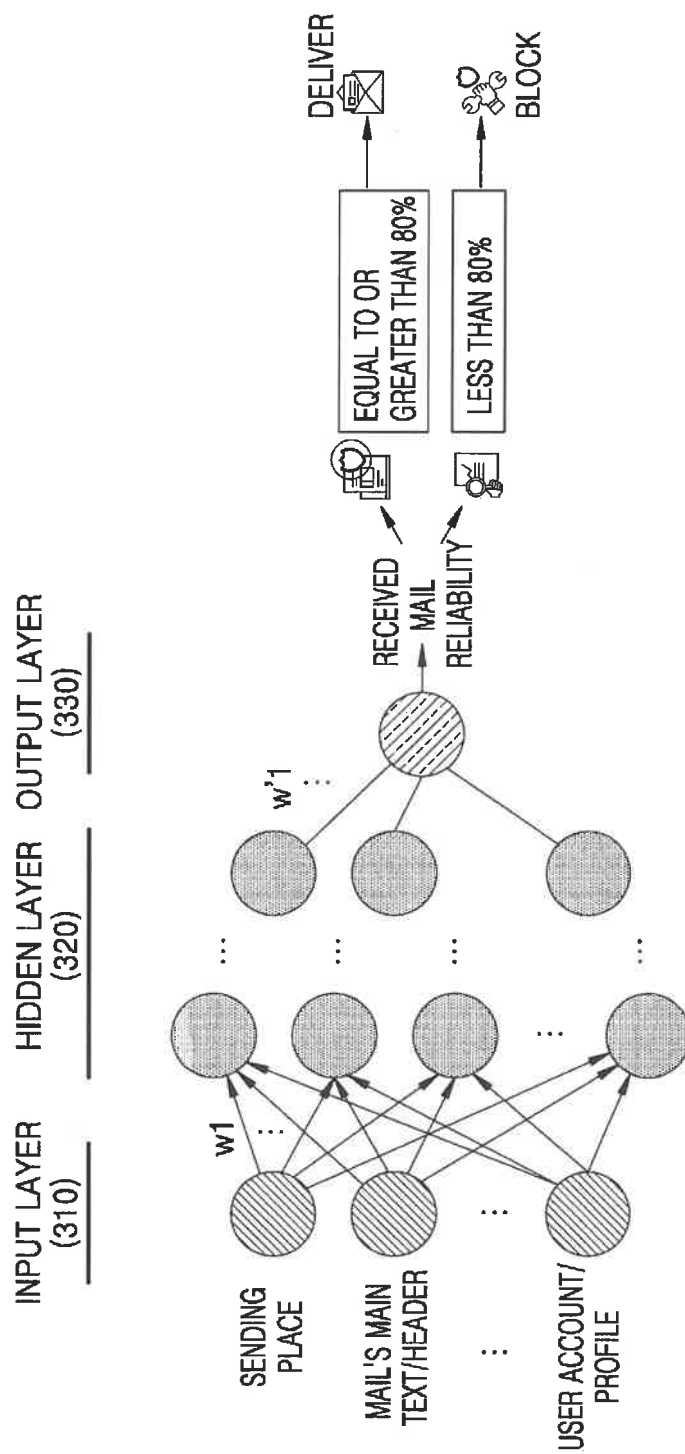


FIG. 4

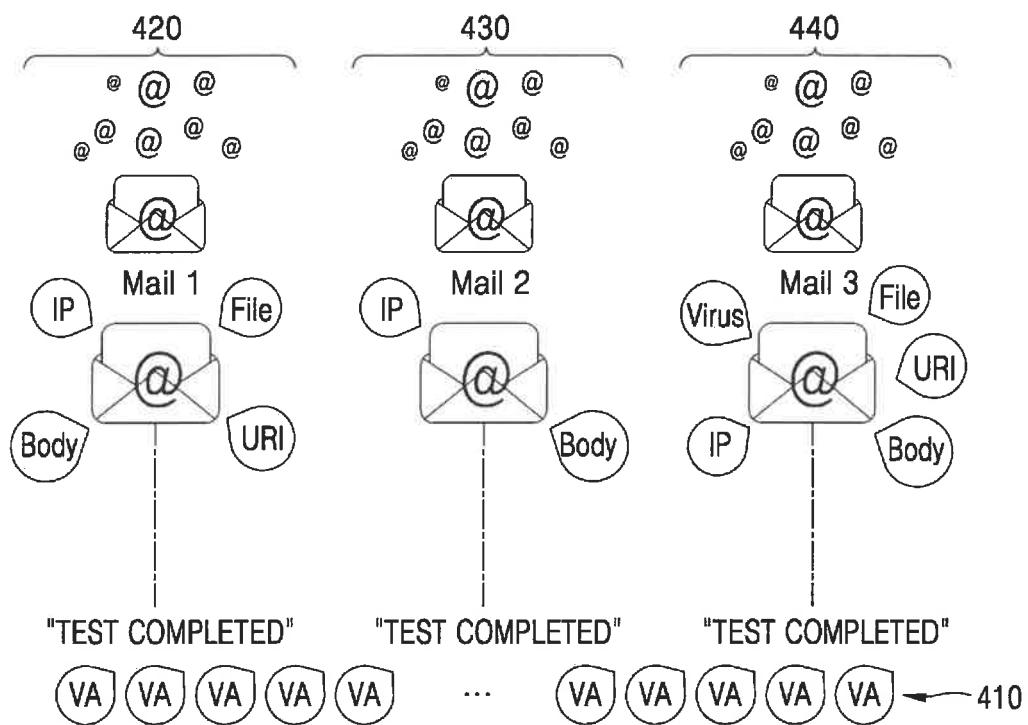


FIG. 5

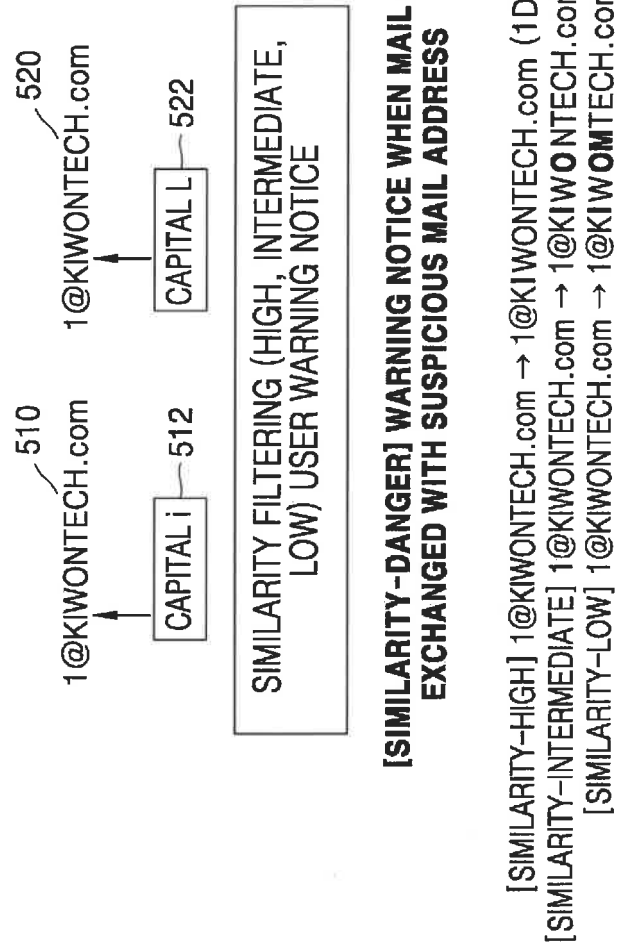


FIG. 6

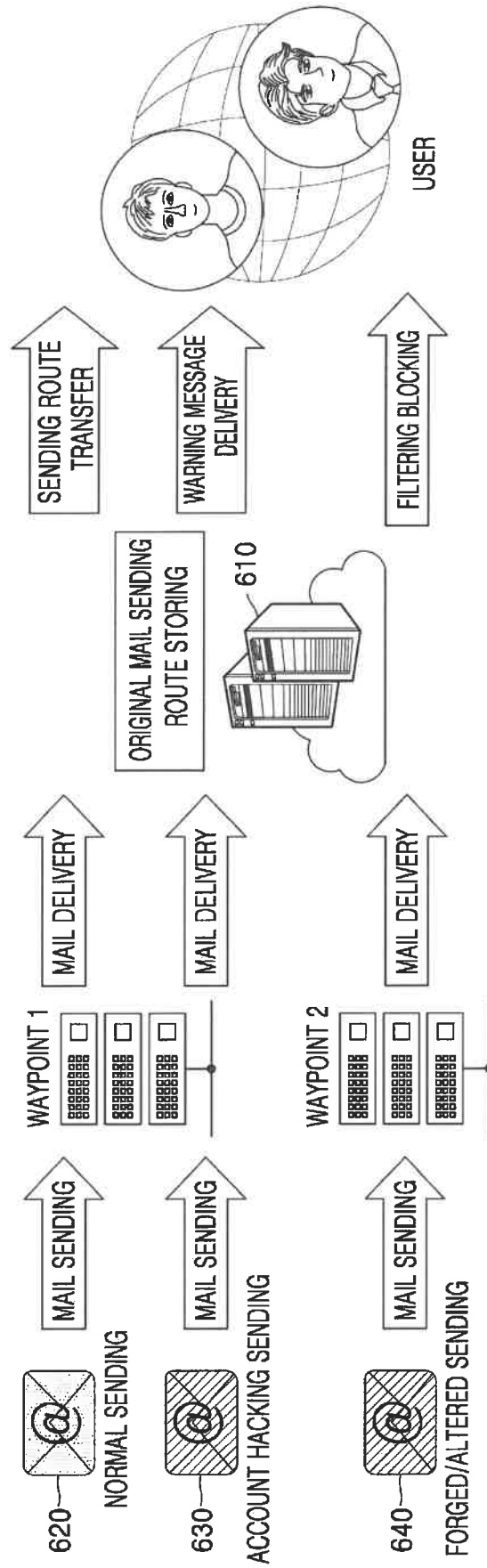


FIG. 7

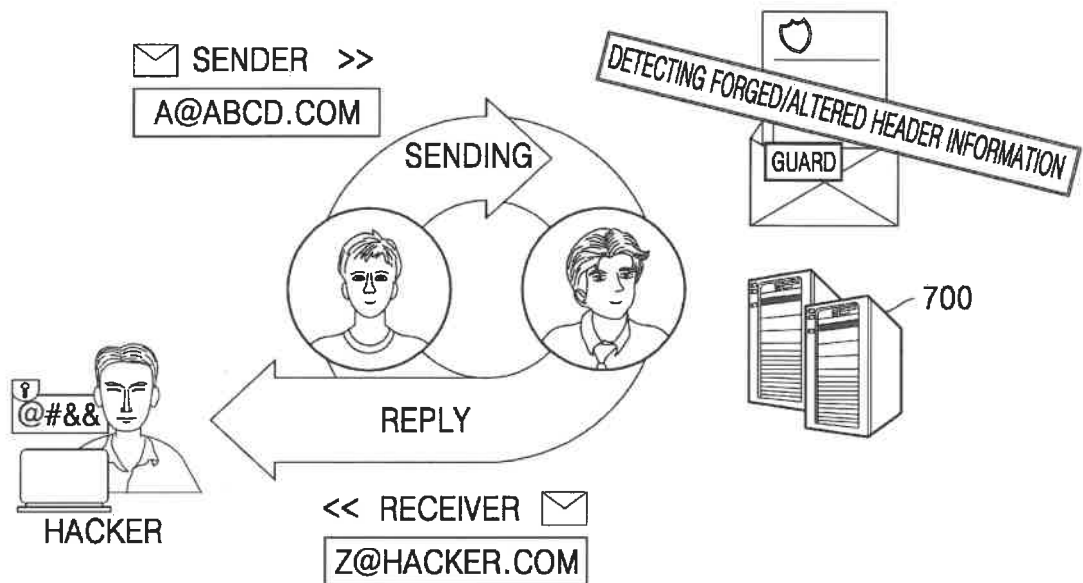


FIG. 8

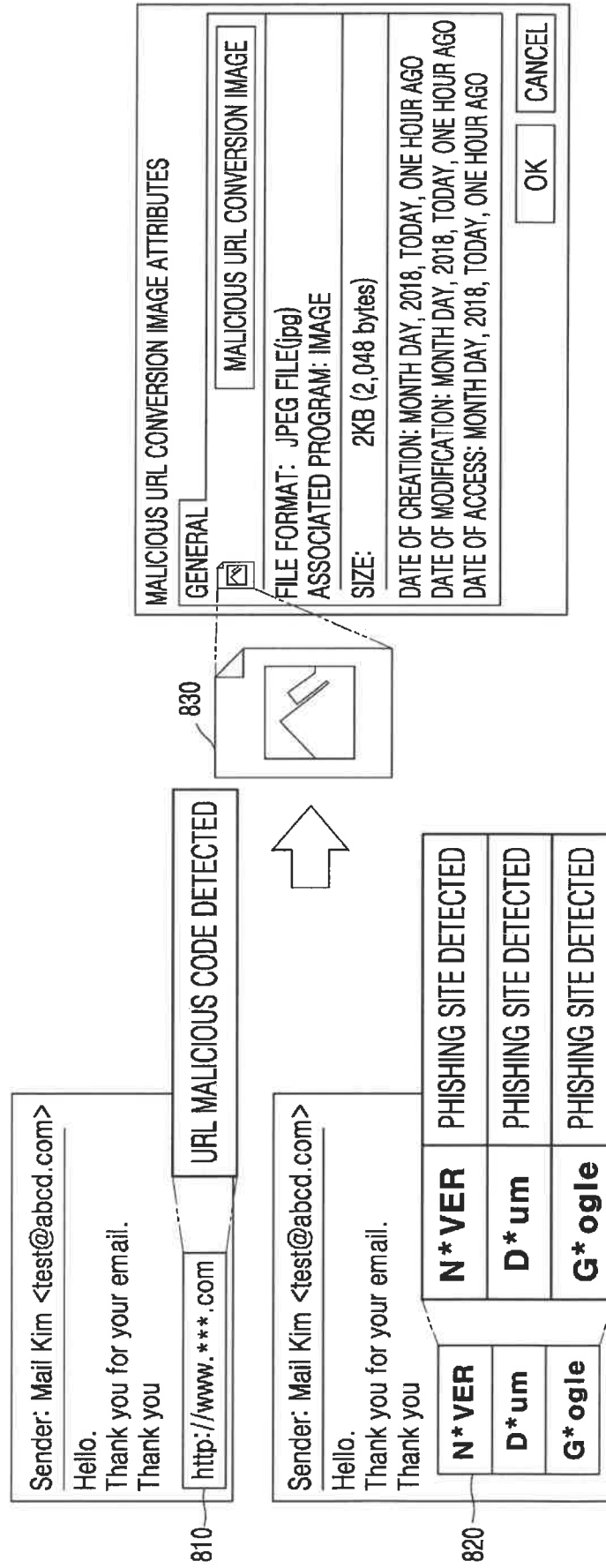


FIG. 9

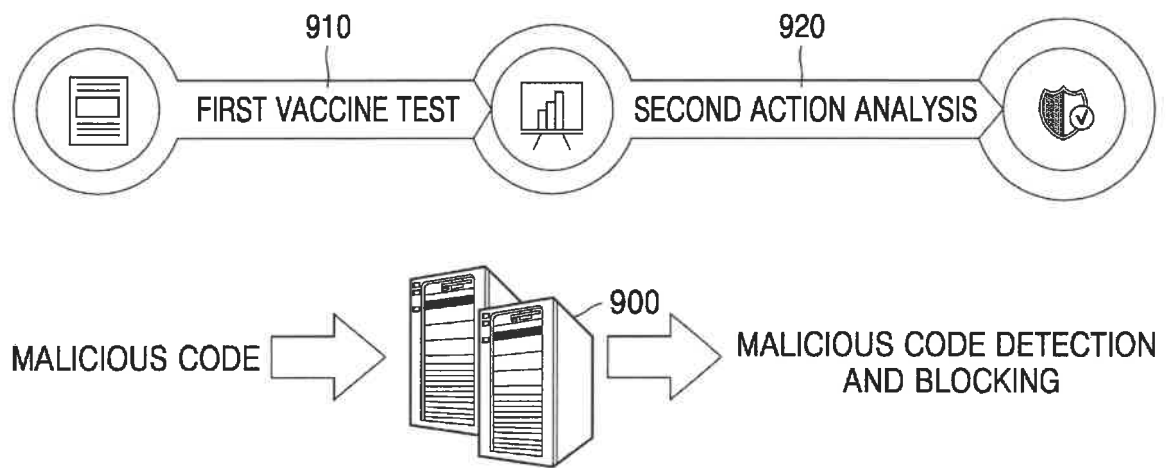


FIG. 10

Mail box - Warning

Sender

Receiver

Title

Sender IP

6Months

Delivery

2017-08-17 00:00

2018-08-17 23:00

Status

Search

Detail

TOTAL-2,981

Process

Head

Deliver

Delete

Group

☐	1111@naver.com	xxx xxxxx xxxxxxxxxxxxxxxx	☐	40%	Deliver Complete
☐	2222@gmail.com	xxxx xxxxx xxxxx xxxxxxxxx	☐	Block	Not Deliver
☐	3333@outlook.kr	xxxx xxxxxxxxxxxxxxx xxxxxxxxxxxxxxxxx	☐	Block	Not Deliver
☐	4444@gmail.com	xx xxx xxxxxxxxx xx	☐	Block	Not Deliver
☐	5555@hrd.go.kr	xxxxxxxxxxxx xxxxxxxxxxxxxxxxx	☐	Block	Not Deliver
☐	6666@hanmail.net	xxxx xxxxx xxxxxxxxxxx xxxxx	☐	Block	Not Deliver
☐	7777@gmail.com	xx xxxxxxx xxxxx xxxxx	☐	Block	Deliver Complete
☐	8888@knavt.com	xxxxxxx xxx xxxxx	☐	Warning	Not Deliver
☐	9999@gmail.com	xxxxxxxxxxxx xxxxxxxxxxxxxxxxx	☐	Block	Not Deliver
☐	xxxxx@hanmail.net	xxxx xxxxxxx xxxxxxxxxxxxxxxxx	☐	43%	Deliver Complete

FIG. 11A

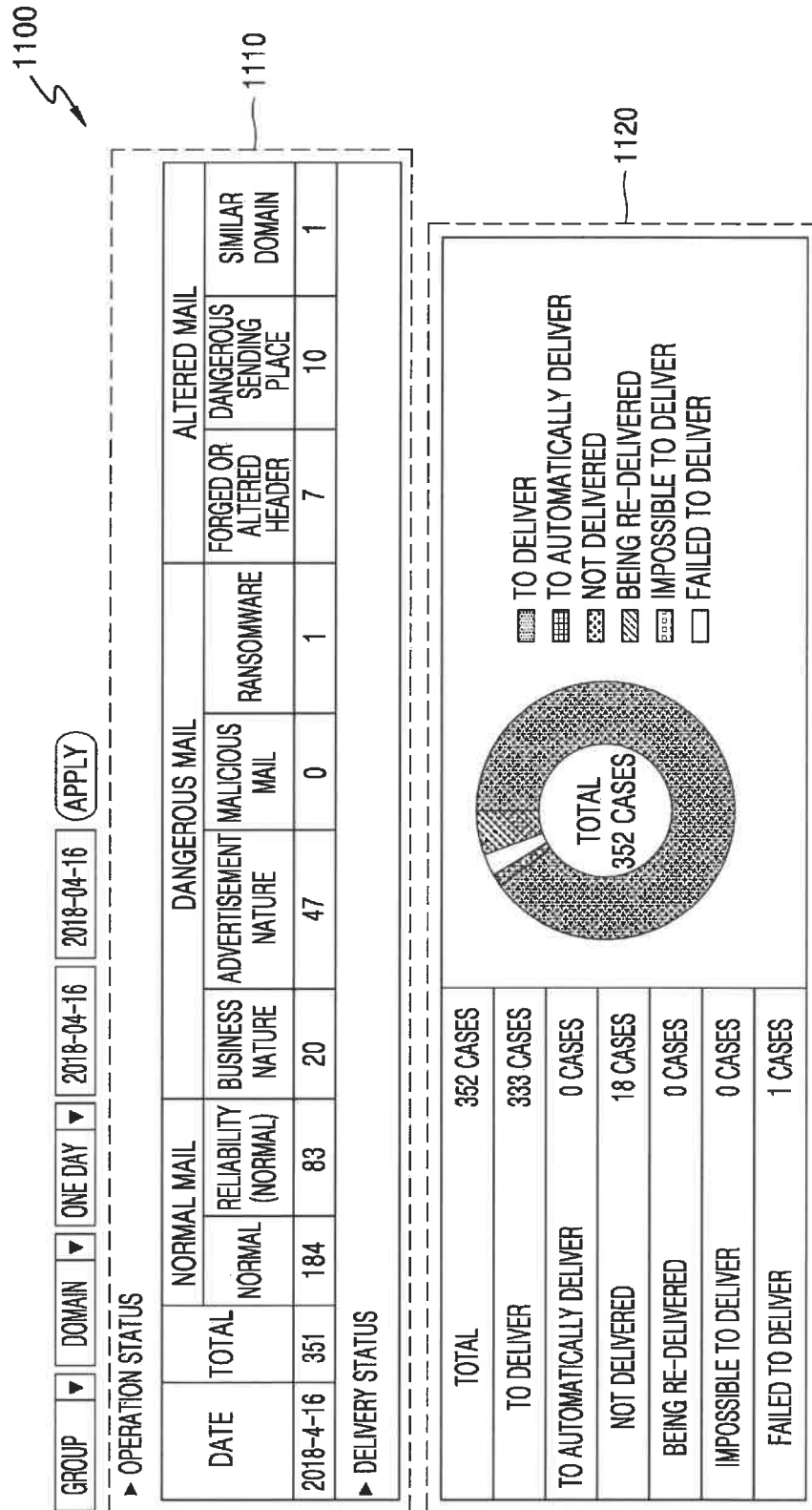


FIG. 11B

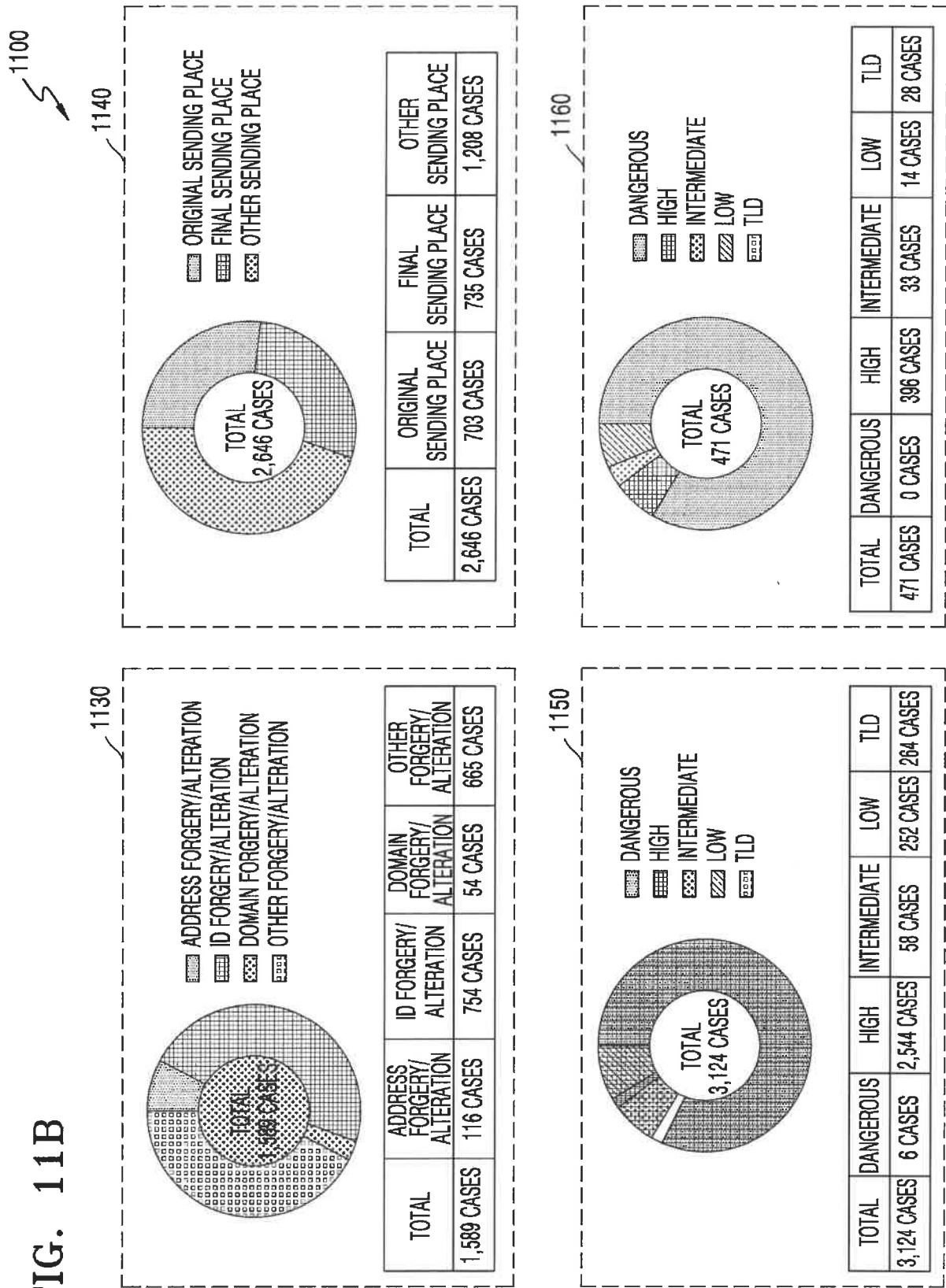


FIG. 12A

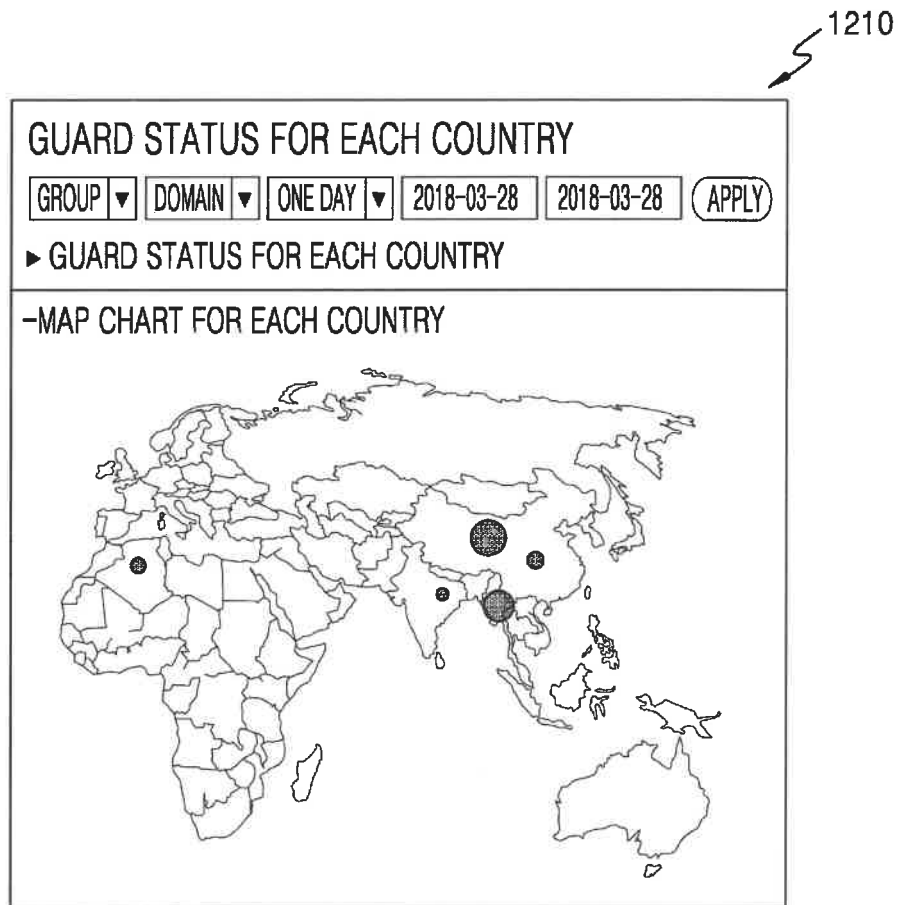


FIG. 12B

1220 ↗

GUARD STATUS TABLE FOR EACH COUNTRY

COUNTRY NAME	DANGEROUS MAIL				DANGEROUS MAIL				TOTAL
	BUSINESS NATURE	ADVERTISEMENT NATURE	MALICIOUS MAIL	RANSOMWARE	FORGED OR ALTERED HEADER	DANGEROUS SENDING PLACE	SIMILAR DOMAIN (TOTAL)	SIMILAR DOMAIN (INDIVIDUAL)	
ARAB EMIRATES	1	1	0	0	0	0	0	0	2
ANTIGUA AND BARBUDA	0	3	0	0	0	0	0	0	3
ARMENIA	1	0	1	0	0	1	0	0	3
ARGENTINA	0	9	0	0	0	1	0	0	10
AUSTRIA	0	4	0	0	0	1	0	0	5
AUSTRALIA	1	1	0	0	0	0	0	0	2
AZERBAIJAN	0	0	0	1	0	1	1	0	2
BANGLADESH	4	6	0	11	1	0	0	0	15
BELGIUM	1	1	0	0	1	1	0	0	3
BULGARIA	1	2	0	0	1	1	1	0	8
BRAZIL	3	46	0	1	1	5	0	0	56

FIG. 12C

ATTACK STATUS FOR EACH ACCOUNT

GROUP ▼	DOMAIN ▼	ONE DAY ▼	2018-03-28	2018-03-28	APPLY
≡ SEARCH ATTACK FOR EACH TYPE			🌐 SEARCH ATTACK FOR EACH COUNTRY		

Top 100

RANKING	EMAIL ACCOUNT	NO. OF CASES		
1	1111@naver.com	23	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
2	2222@gmail.com	5	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
3	3333@outlook.kr	8	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
4	4444@gmail.com	6	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
5	5555@hrd.go.kr	5	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
6	6666@hanmail.net	6	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
7	7777@gmail.com	1	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
8	8888@kmvt.com	5	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
9	9999@gmail.com	5	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY
10	xxxxx@hanmail.net	5	≡ SEARCH ATTACK FOR EACH TYPE	🌐 SEARCH ATTACK FOR EACH COUNTRY

11th to 40th

RANKING	EMAIL ACCOUNT		
11	1111@naver.com	1	≡ 🌐
12	2222@gmail.com	1	≡ 🌐

41st to 70th

RANKING	EMAIL ACCOUNT		
NO DATA MEETING THE CONDITION IS FOUND			

71st to 100th

RANKING	EMAIL ACCOUNT		
NO DATA MEETING THE CONDITION IS FOUND			

FIG. 13

