FIG. 1

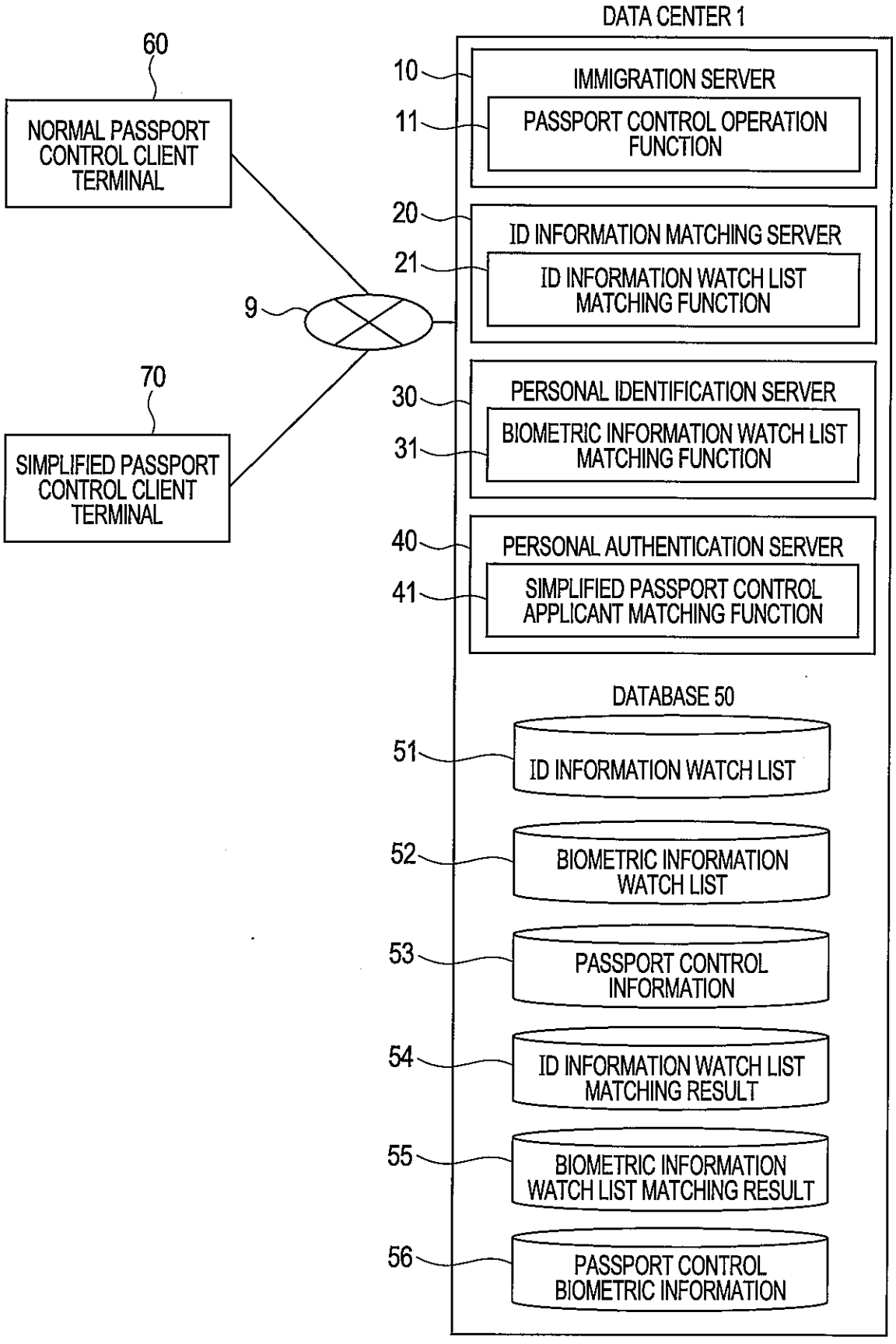

DATA CENTER 1
60
NORMAL PASSPORT CONTROL CLIENT TERMINAL
70
SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL
9
10
IMMIGRATION SERVER
11
PASSPORT CONTROL OPERATION FUNCTION
20
ID INFORMATION MATCHING SERVER
21
ID INFORMATION WATCH LIST MATCHING FUNCTION
30
PERSONAL IDENTIFICATION SERVER
31
BIOMETRIC INFORMATION WATCH LIST MATCHING FUNCTION
40
PERSONAL AUTHENTICATION SERVER
41
SIMPLIFIED PASSPORT CONTROL APPLICANT MATCHING FUNCTION
DATABASE 50
51
ID INFORMATION WATCH LIST
52
BIOMETRIC INFORMATION WATCH LIST
53
PASSPORT CONTROL INFORMATION
54
ID INFORMATION WATCH LIST MATCHING RESULT
55
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
56
PASSPORT CONTROL BIOMETRIC INFORMATION

FIG. 2

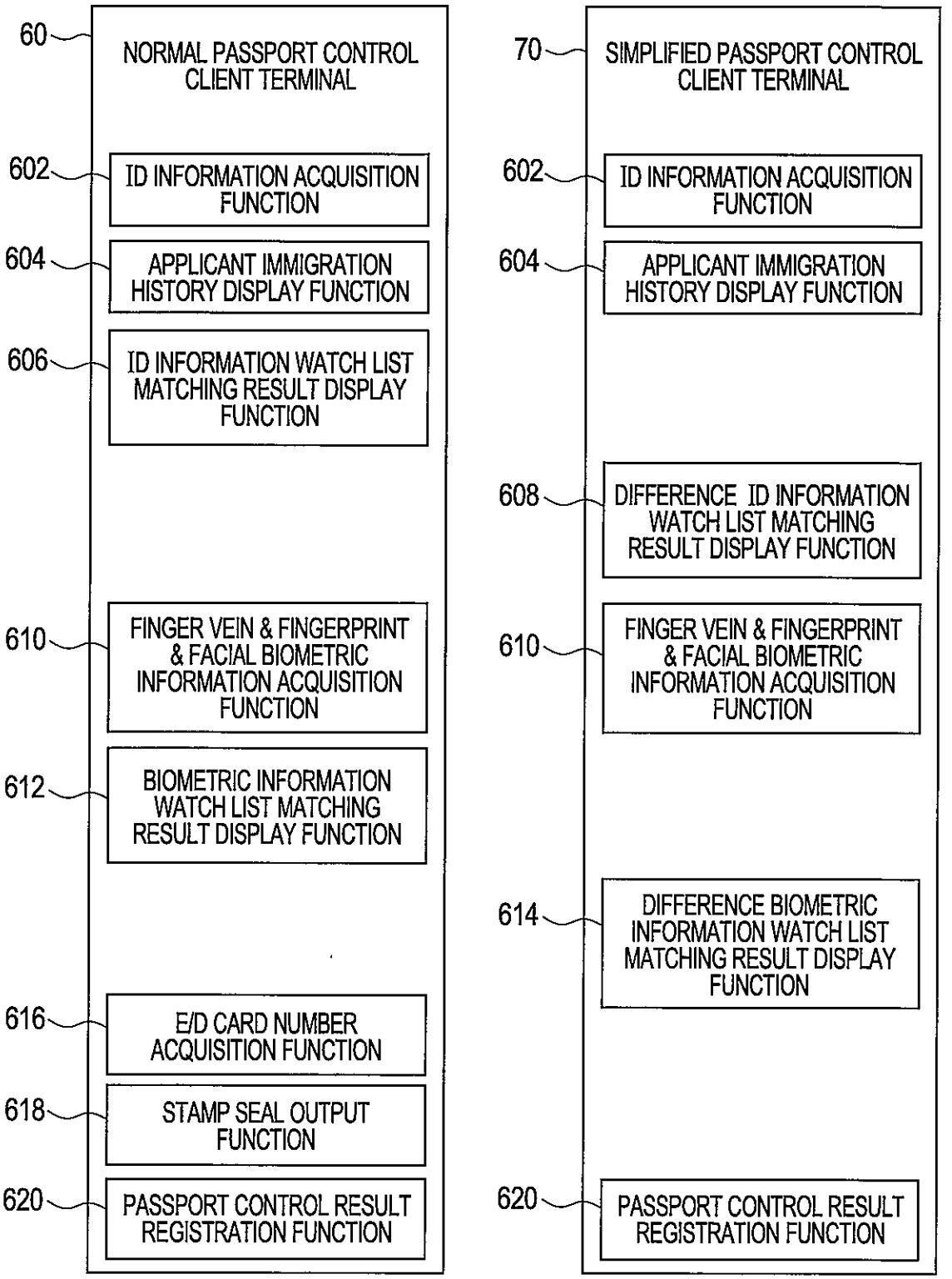

60
NORMAL PASSPORT CONTROL CLIENT TERMINAL
602
ID INFORMATION ACQUISITION FUNCTION
604
APPLICANT IMMIGRATION HISTORY DISPLAY FUNCTION
606
ID INFORMATION WATCH LIST MATCHING RESULT DISPLAY FUNCTION
610
FINGER VEIN & FINGERPRINT & FACIAL BIOMETRIC INFORMATION ACQUISITION FUNCTION
612
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT DISPLAY FUNCTION
616
E/D CARD NUMBER ACQUISITION FUNCTION
618
STAMP SEAL OUTPUT FUNCTION
620
PASSPORT CONTROL RESULT REGISTRATION FUNCTION
70
SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL
602
ID INFORMATION ACQUISITION FUNCTION
604
APPLICANT IMMIGRATION HISTORY DISPLAY FUNCTION
608
DIFFERENCE ID INFORMATION WATCH LIST MATCHING RESULT DISPLAY FUNCTION
610
FINGER VEIN & FINGERPRINT & FACIAL BIOMETRIC INFORMATION ACQUISITION FUNCTION
614
DIFFERENCE BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT DISPLAY FUNCTION
620
PASSPORT CONTROL RESULT REGISTRATION FUNCTION

FIG. 3

51

PASSPORT ID NUMBER	ID INFORMATION (PASSPORT NUMBER, NATIONALITY, NAME, SEX, DATE OF BIRTH, ETC.)	DATE AND TIME OF REGISTRATION	ID INFORMATION WATCH LIST UPDATE SERIAL NUMBER
NG_Passenger_0001	＊＊	＊＊＊＊ YEAR ＊＊ MONTH ＊＊ DAY ＊＊ HOUR ＊＊ MINUTE	1000
NG_Passenger_0002	＊＊	＊＊＊＊ YEAR ＊＊ MONTH ＊＊ DAY ＊＊ HOUR ＊＊ MINUTE	1001
...	...		

FIG. 4

52

PASSPORT ID NUMBER	BIOMETRIC INFORMATION		DATE AND TIME OF REGISTRATION	BIOMETRIC INFORMATION WATCH LIST UPDATE SERIAL NUMBER
	FINGERPRINT INFORMATION	FACIAL IMAGE		
NG_Passenger_0001	＊＊	＊＊	＊＊＊＊ YEAR ＊＊ MONTH ＊＊ DAY ＊＊ HOUR ＊＊ MINUTE	2000
NG_Passenger_0002	＊＊	＊＊	＊＊＊＊ YEAR ＊＊ MONTH ＊＊ DAY ＊＊ HOUR ＊＊ MINUTE	2001
...	...			

FIG. 5

53

531 PASSPORT ID NUMBER	532 ID INFORMATION (PASSPORT NUMBER, NATIONALITY, NAME, SEX, DATE OF BIRTH, ETC.)	533 APPLICANT IMMIGRATION HISTORY ID	534 APPLICANT IMMIGRATION HISTORY	535 E/D CARD NUMBER	
Passenger _0001	* * *	001	X YEAR, x MONTH, x DAY, X HOUR, x MINUTE X AIRPORT IMMIGRATION OFFICER ID ENTRY CLEARED	* * *	5300
		002	X YEAR, x MONTH, x DAY, X HOUR, x MINUTE X AIRPORT IMMIGRATION OFFICER IID DEPARTURE CLEARED	* * *	5301
		003	X YEAR, x MONTH, x DAY, X HOUR, x MINUTE X AIRPORT IMMIGRATION OFFICER ID SIMPLIFIED ENTRY CLEARED	* * *	5302
Passenger _0002	* * *	001	* * *	* * *	5303
---	---		---		

FIG. 6

54 541 542 543 544

PASSPORT ID NUMBER	APPLICANT IMMIGRATION HISTORY ID	ID INFORMATION WATCH LIST CHECK RESULT	CHECKED ID INFORMATION WATCH LIST UPDATE SERIAL NUMBER	
Passenger _0001	001	ID INFORMATION WATCH LIST CHECKED	1000	5400
	003	ID INFORMATION WATCH LIST CHECKED FOR DIFFERENCE FROM APPLICANT IMMIGRATION HISTORY ID001	1001	5401
Passenger _0002	* * *	* * *	* * *	
...	...	...		

FIG. 7

55 551 552 553 554

PASSPORT ID NUMBER	APPLICANT IMMIGRATION HISTORY ID	BIOMETRIC INFORMATION WATCH LIST CHECK RESULT	CHECKED BIOMETRIC INFORMATION WATCH LIST UPDATE SERIAL NUMBER	
Passenger _0001	001	BIOMETRIC INFORMATION WATCH LIST CHECKED	2000	5500
	003	BIOMETRIC INFORMATION WATCH LIST CHECKED FOR DIFFERENCE FROM APPLICANT IMMIGRATION HISTORY ID001	2001	5501
Passenger _0002	* * *	* * *	* * *	
...	...	...		

FIG. 8

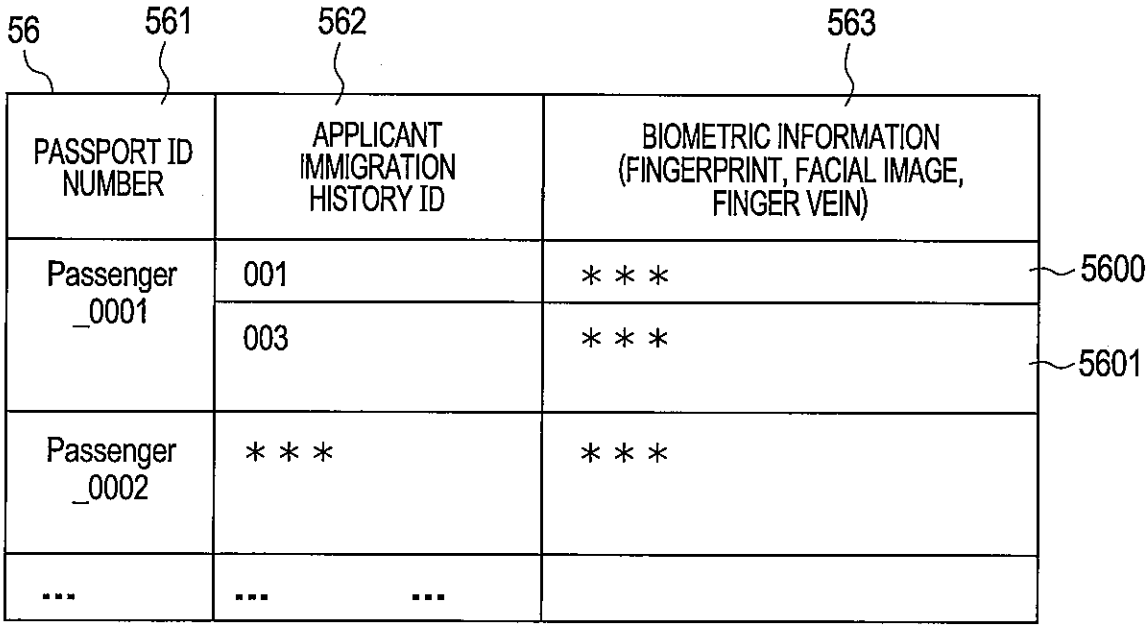

56
561
562
563
PASSPORT ID NUMBER
APPLICANT IMMIGRATION HISTORY ID
BIOMETRIC INFORMATION (FINGERPRINT, FACIAL IMAGE, FINGER VEIN)
Passenger _0001
001
＊＊＊
5600
003
＊＊＊
5601
Passenger _0002
＊＊＊
＊＊＊
...
...
...

FIG. 9

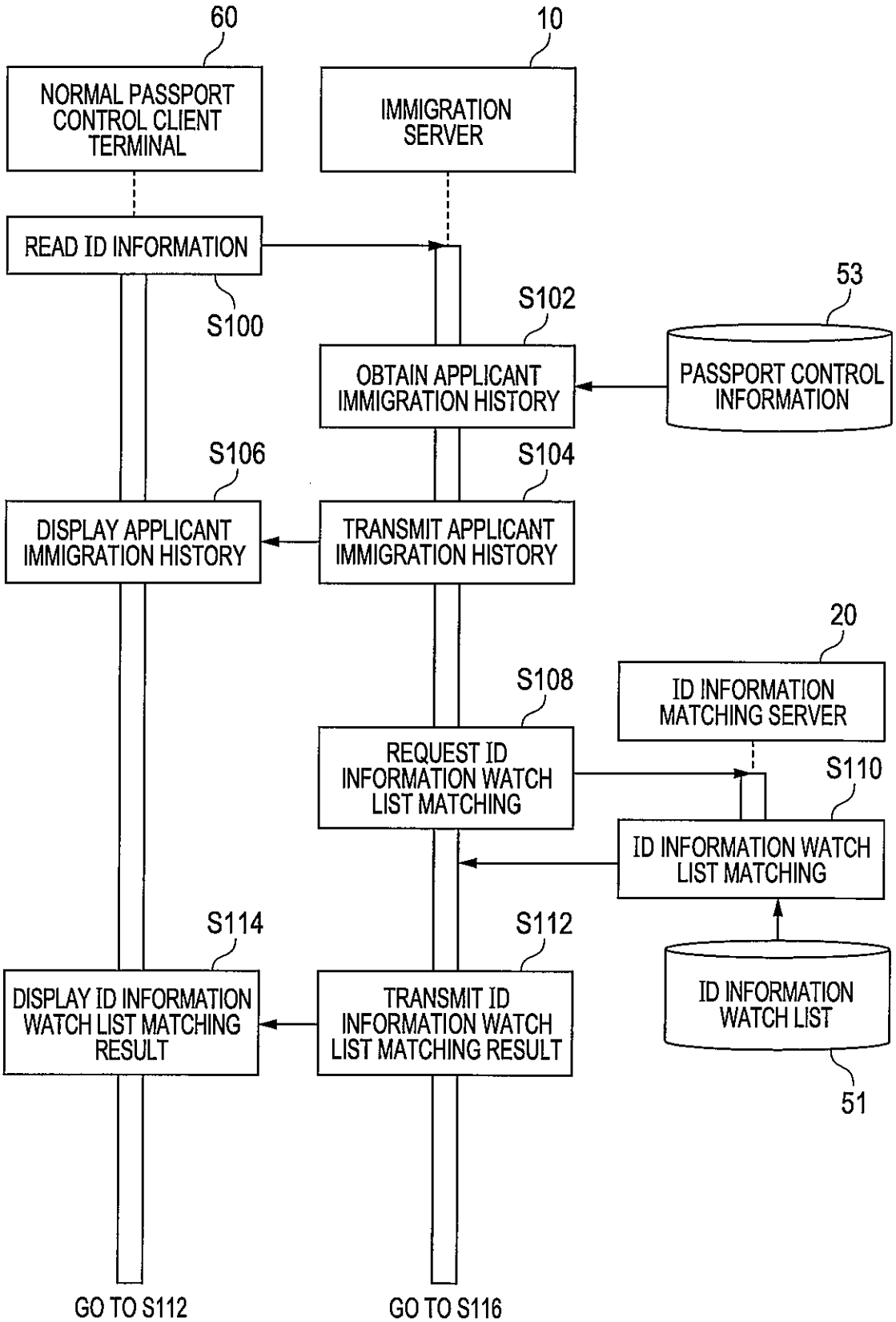

60
NORMAL PASSPORT CONTROL CLIENT TERMINAL
10
IMMIGRATION SERVER
READ ID INFORMATION
S100
S102
53
PASSPORT CONTROL INFORMATION
OBTAIN APPLICANT IMMIGRATION HISTORY
S106
S104
DISPLAY APPLICANT IMMIGRATION HISTORY
TRANSMIT APPLICANT IMMIGRATION HISTORY
20
S108
ID INFORMATION MATCHING SERVER
REQUEST ID INFORMATION WATCH LIST MATCHING
S110
ID INFORMATION WATCH LIST MATCHING
S114
S112
DISPLAY ID INFORMATION WATCH LIST MATCHING RESULT
TRANSMIT ID INFORMATION WATCH LIST MATCHING RESULT
ID INFORMATION WATCH LIST
51
GO TO S112
GO TO S116

FIG. 10

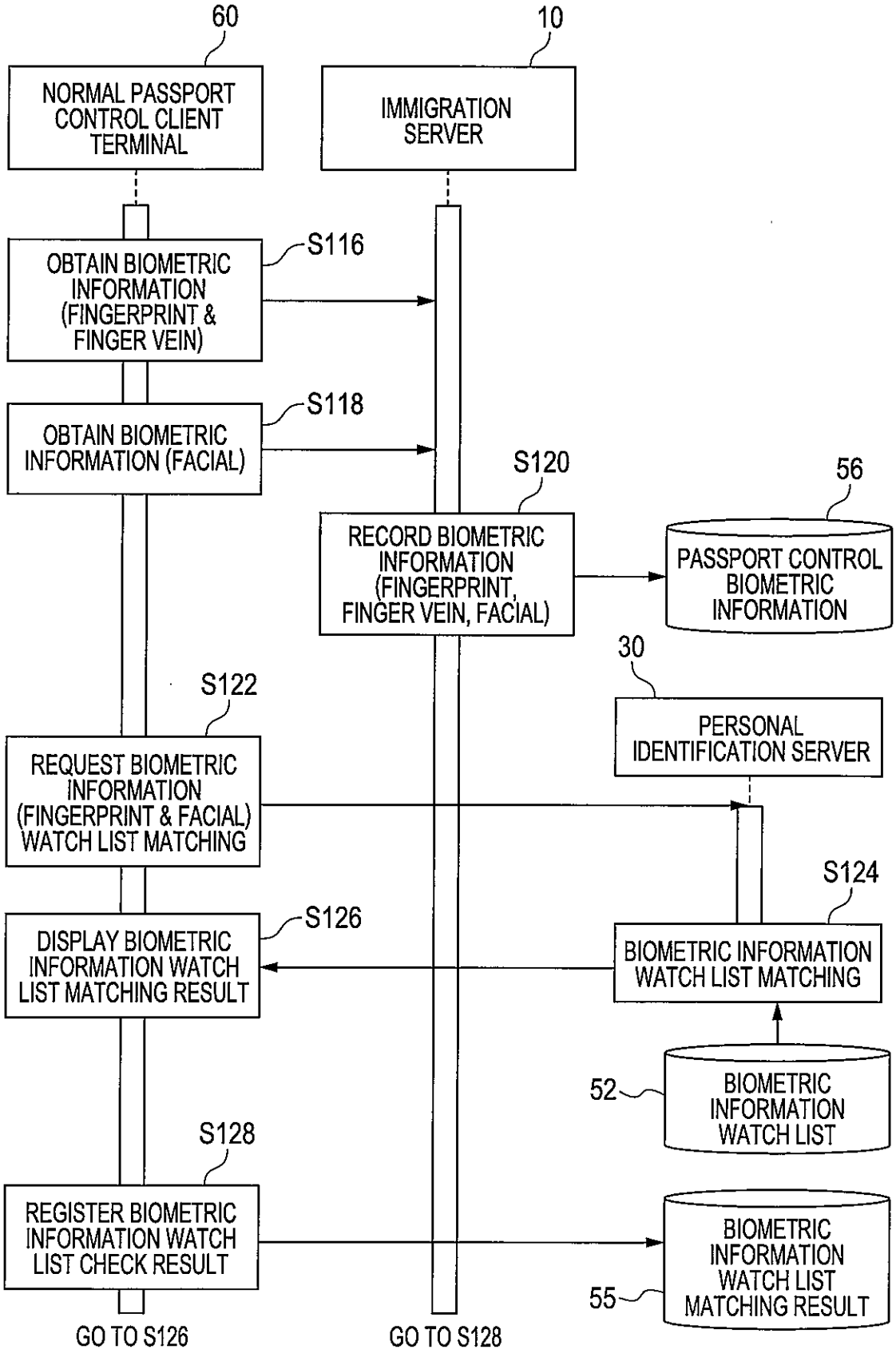

60
NORMAL PASSPORT CONTROL CLIENT TERMINAL
10
IMMIGRATION SERVER
S116
OBTAIN BIOMETRIC INFORMATION (FINGERPRINT & FINGER VEIN)
S118
OBTAIN BIOMETRIC INFORMATION (FACIAL)
S120
RECORD BIOMETRIC INFORMATION (FINGERPRINT, FINGER VEIN, FACIAL)
56
PASSPORT CONTROL BIOMETRIC INFORMATION
30
PERSONAL IDENTIFICATION SERVER
S122
REQUEST BIOMETRIC INFORMATION (FINGERPRINT & FACIAL) WATCH LIST MATCHING
S124
BIOMETRIC INFORMATION WATCH LIST MATCHING
S126
DISPLAY BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
52
BIOMETRIC INFORMATION WATCH LIST
S128
REGISTER BIOMETRIC INFORMATION WATCH LIST CHECK RESULT
55
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
GO TO S126
GO TO S128

FIG. 11

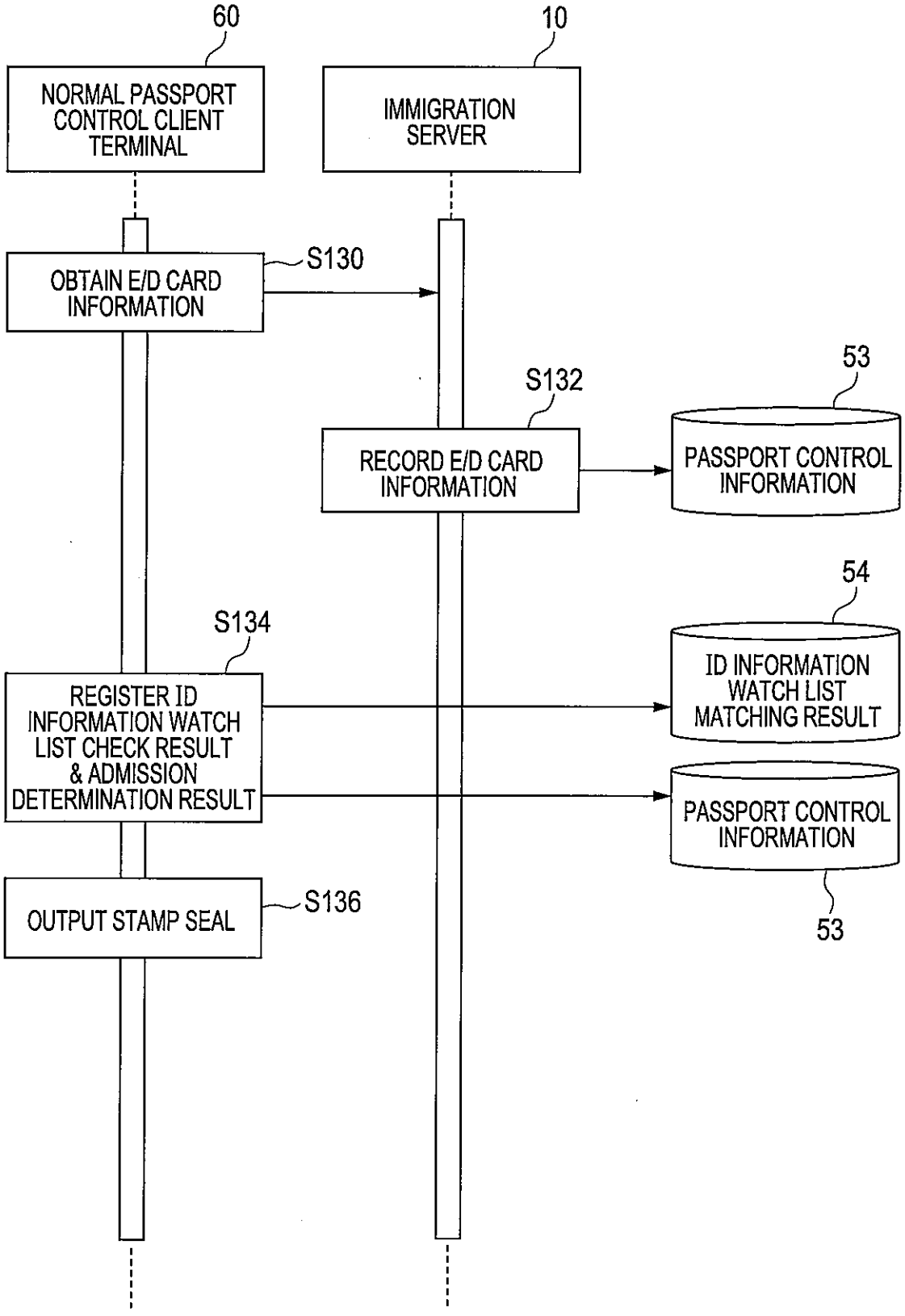

60
NORMAL PASSPORT CONTROL CLIENT TERMINAL
10
IMMIGRATION SERVER
OBTAIN E/D CARD INFORMATION
S130
S132
RECORD E/D CARD INFORMATION
53
PASSPORT CONTROL INFORMATION
54
ID INFORMATION WATCH LIST MATCHING RESULT
S134
REGISTER ID INFORMATION WATCH LIST CHECK RESULT & ADMISSION DETERMINATION RESULT
PASSPORT CONTROL INFORMATION
53
OUTPUT STAMP SEAL
S136

FIG. 12

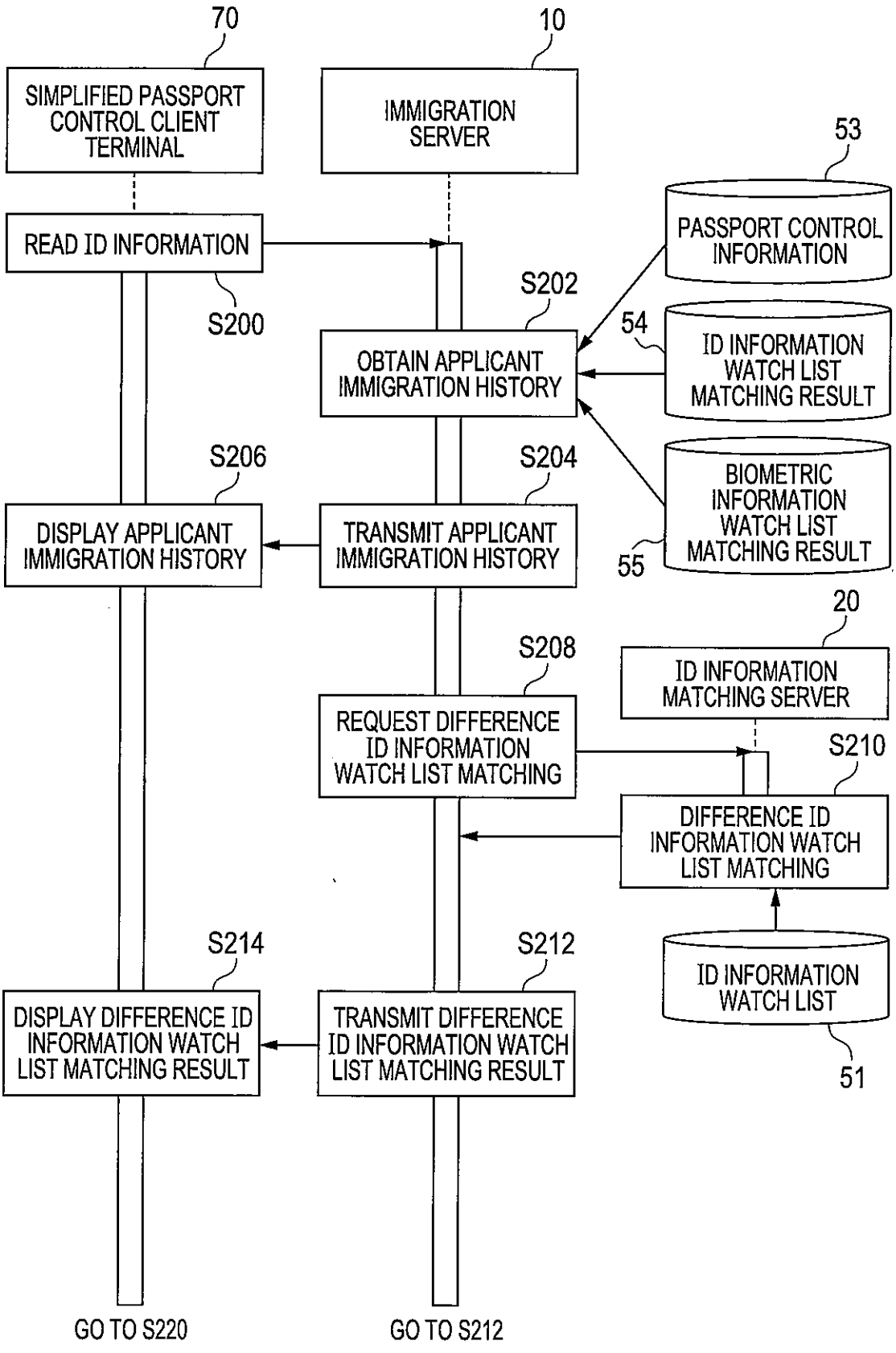

70
SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL
10
IMMIGRATION SERVER
53
PASSPORT CONTROL INFORMATION
READ ID INFORMATION
S200
S202
54
ID INFORMATION WATCH LIST MATCHING RESULT
OBTAIN APPLICANT IMMIGRATION HISTORY
S206
S204
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
55
DISPLAY APPLICANT IMMIGRATION HISTORY
TRANSMIT APPLICANT IMMIGRATION HISTORY
20
S208
ID INFORMATION MATCHING SERVER
REQUEST DIFFERENCE ID INFORMATION WATCH LIST MATCHING
S210
DIFFERENCE ID INFORMATION WATCH LIST MATCHING
S214
S212
ID INFORMATION WATCH LIST
51
DISPLAY DIFFERENCE ID INFORMATION WATCH LIST MATCHING RESULT
TRANSMIT DIFFERENCE ID INFORMATION WATCH LIST MATCHING RESULT
GO TO S220
GO TO S212

FIG. 13

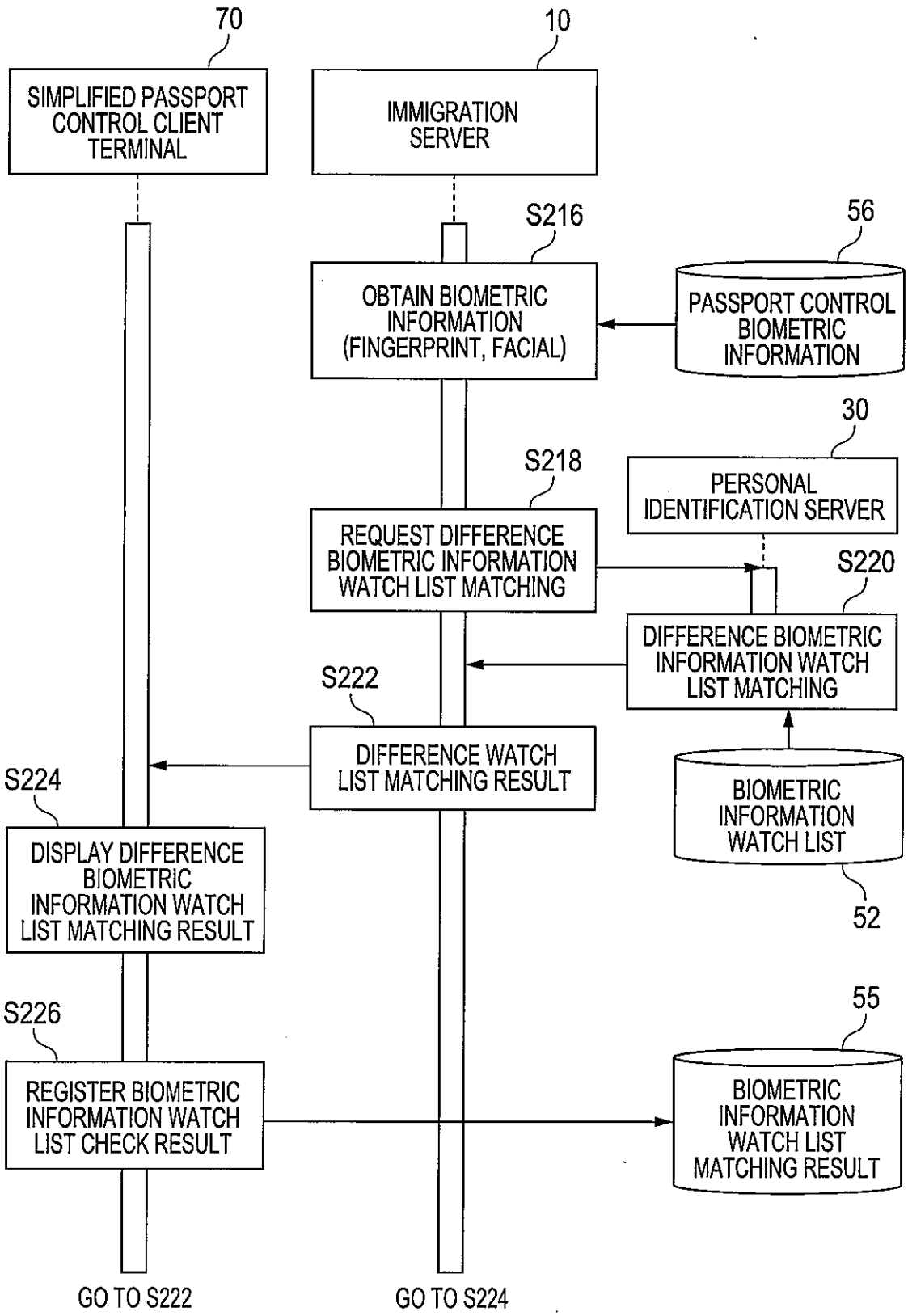

70
SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL
10
IMMIGRATION SERVER
S216
OBTAIN BIOMETRIC INFORMATION (FINGERPRINT, FACIAL)
56
PASSPORT CONTROL BIOMETRIC INFORMATION
30
PERSONAL IDENTIFICATION SERVER
S218
REQUEST DIFFERENCE BIOMETRIC INFORMATION WATCH LIST MATCHING
S220
DIFFERENCE BIOMETRIC INFORMATION WATCH LIST MATCHING
S222
DIFFERENCE WATCH LIST MATCHING RESULT
BIOMETRIC INFORMATION WATCH LIST
52
S224
DISPLAY DIFFERENCE BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
S226
REGISTER BIOMETRIC INFORMATION WATCH LIST CHECK RESULT
55
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT
GO TO S222
GO TO S224

FIG. 14

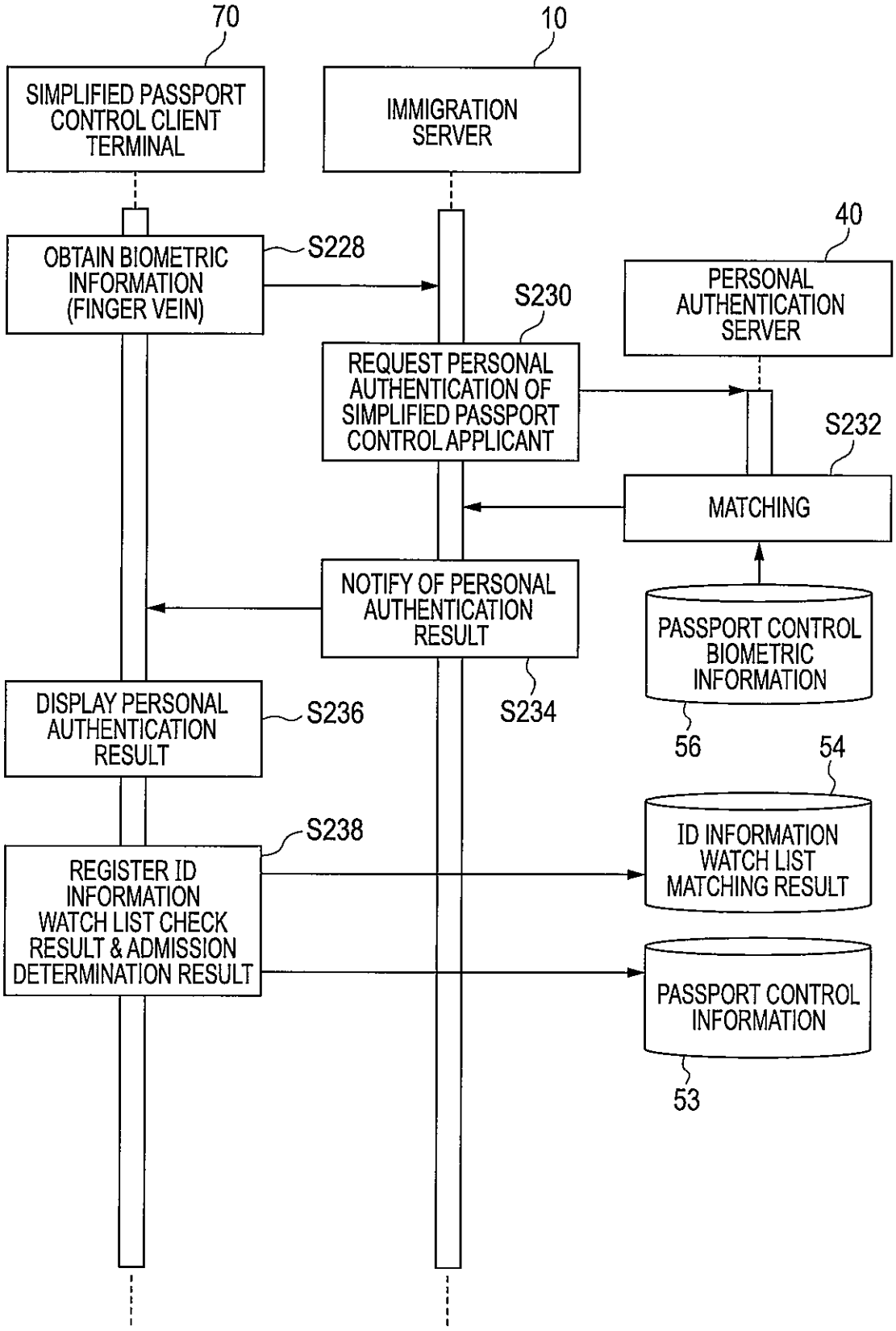

70
10
SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL
IMMIGRATION SERVER
40
OBTAIN BIOMETRIC INFORMATION (FINGER VEIN)
S228
PERSONAL AUTHENTICATION SERVER
S230
REQUEST PERSONAL AUTHENTICATION OF SIMPLIFIED PASSPORT CONTROL APPLICANT
S232
MATCHING
NOTIFY OF PERSONAL AUTHENTICATION RESULT
PASSPORT CONTROL BIOMETRIC INFORMATION
DISPLAY PERSONAL AUTHENTICATION RESULT
S236
S234
56
54
S238
ID INFORMATION WATCH LIST MATCHING RESULT
REGISTER ID INFORMATION WATCH LIST CHECK RESULT & ADMISSION DETERMINATION RESULT
PASSPORT CONTROL INFORMATION
53

FIG. 15

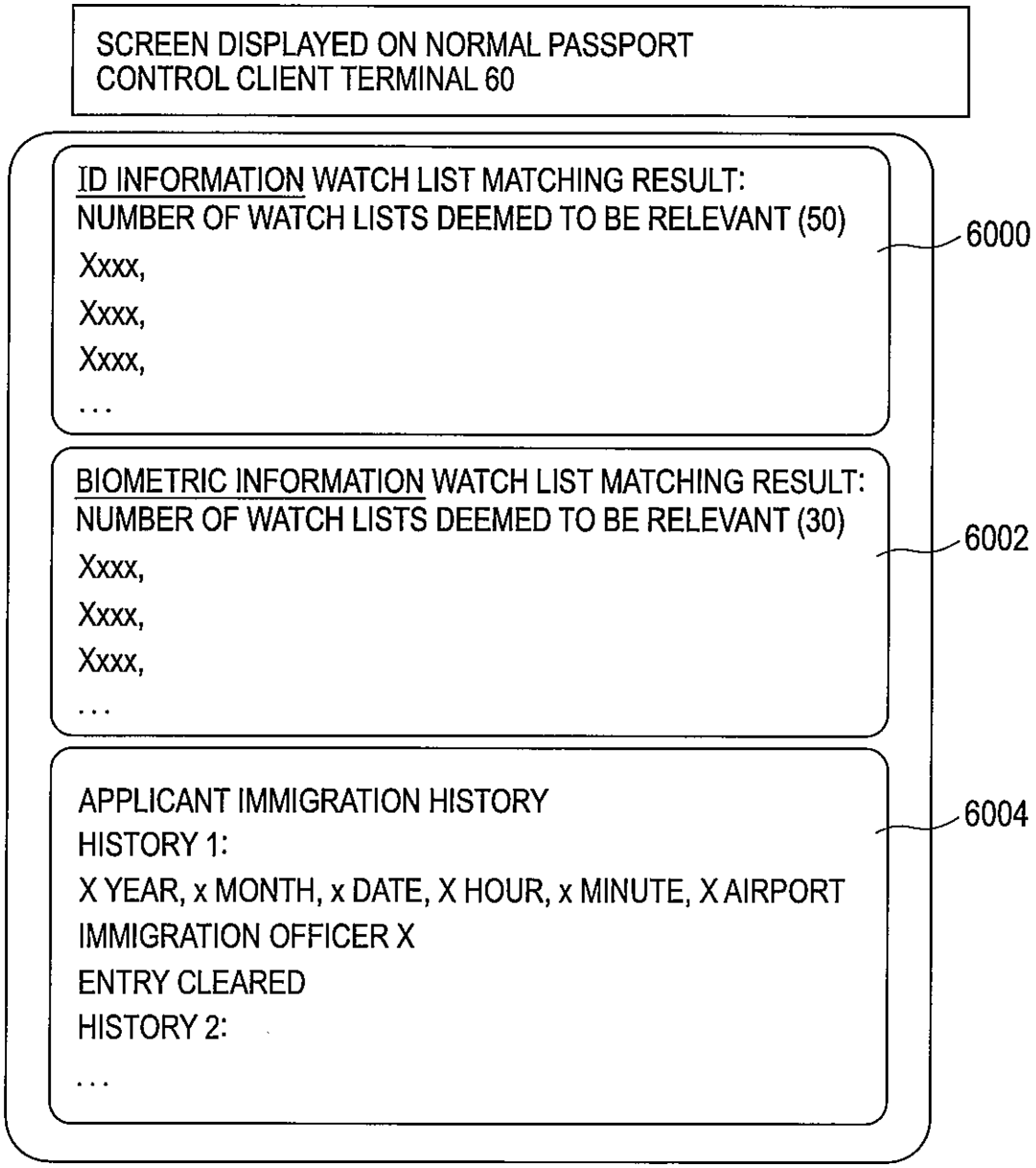

SCREEN DISPLAYED ON NORMAL PASSPORT CONTROL CLIENT TERMINAL 60
ID INFORMATION WATCH LIST MATCHING RESULT:
NUMBER OF WATCH LISTS DEEMED TO BE RELEVANT (50)
Xxxx,
Xxxx,
Xxxx,
. . .
6000
BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT:
NUMBER OF WATCH LISTS DEEMED TO BE RELEVANT (30)
Xxxx,
Xxxx,
Xxxx,
. . .
6002
APPLICANT IMMIGRATION HISTORY
HISTORY 1:
X YEAR, x MONTH, x DATE, X HOUR, x MINUTE, X AIRPORT
IMMIGRATION OFFICER X
ENTRY CLEARED
HISTORY 2:
. . .
6004

FIG. 16

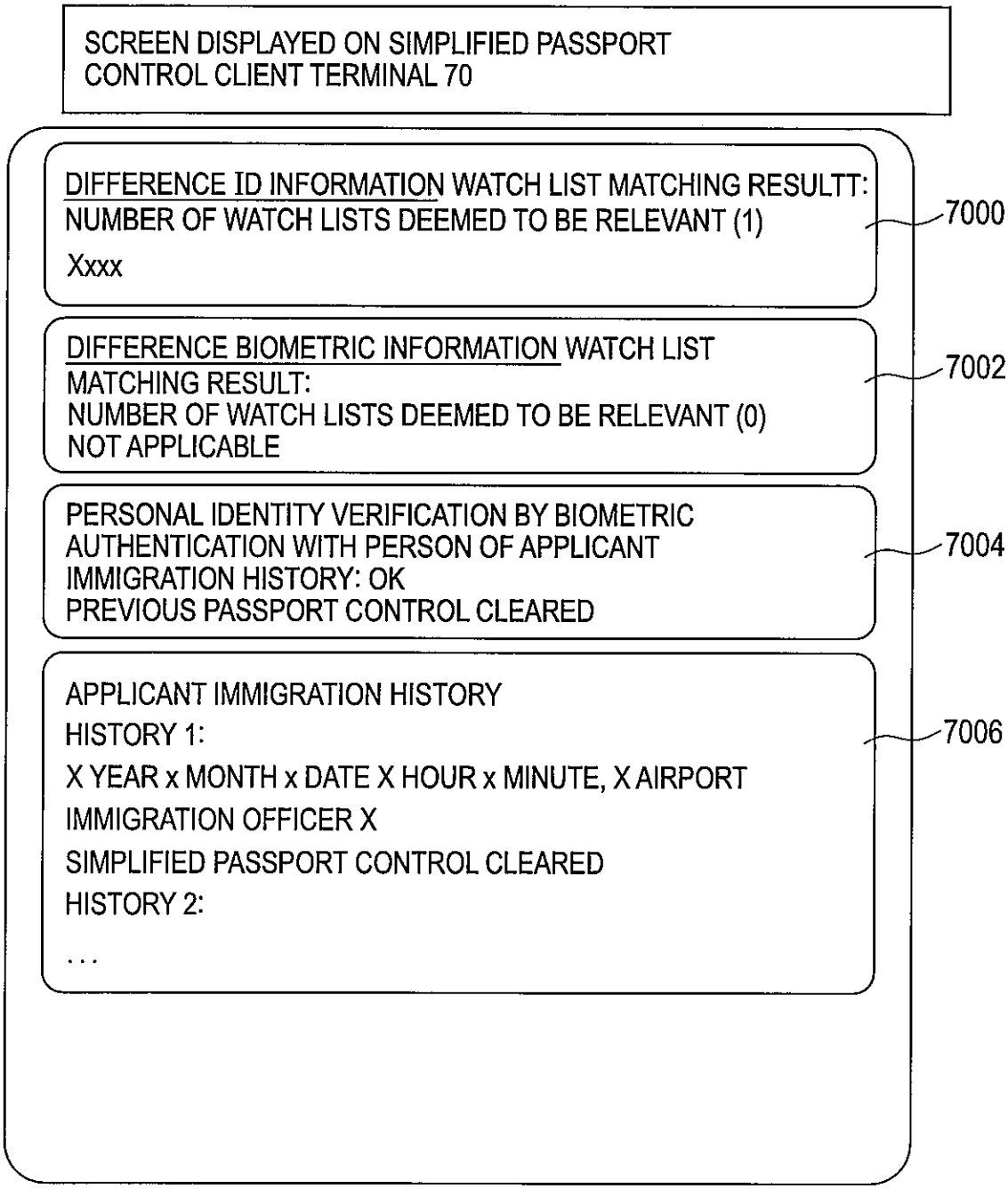
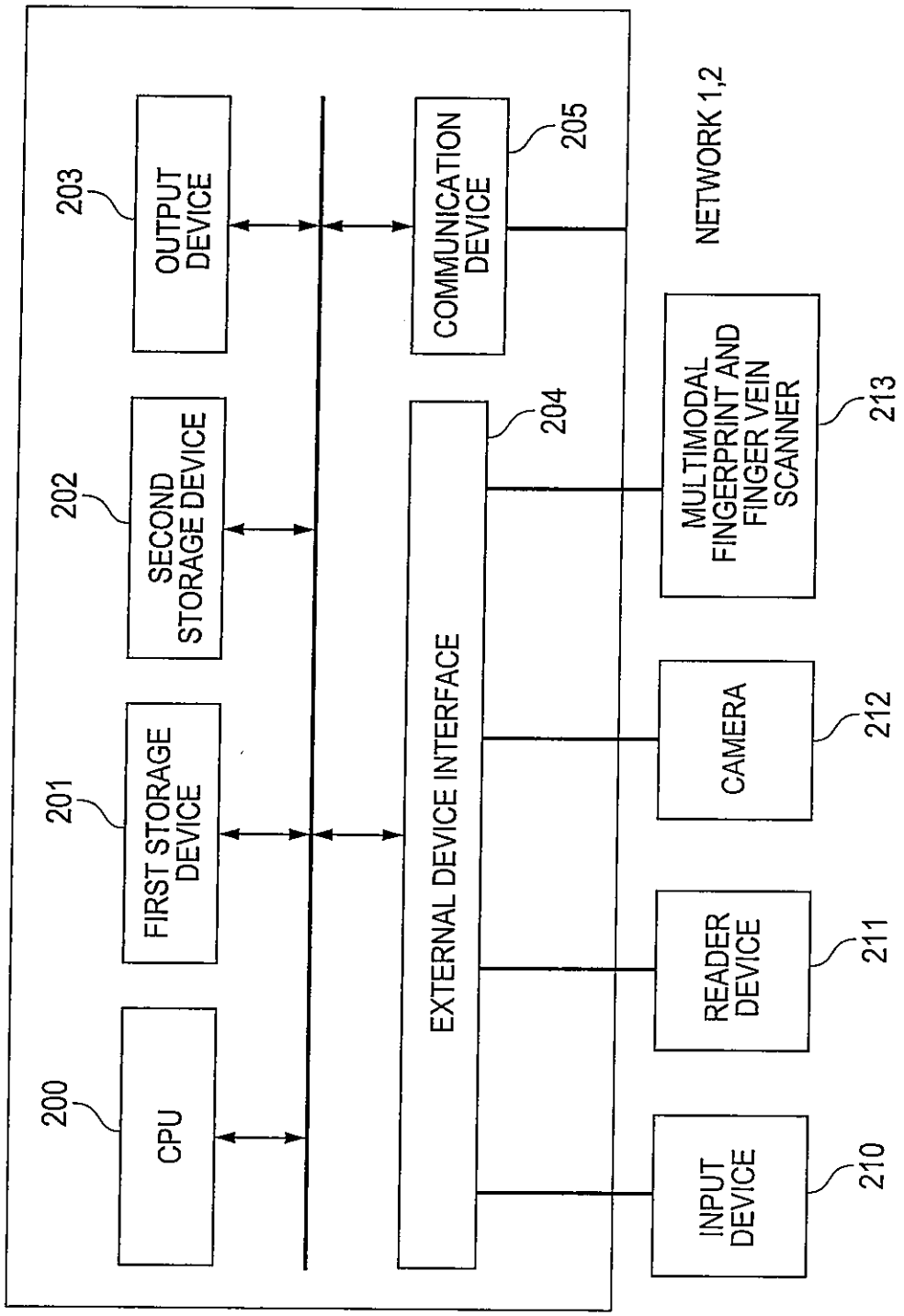

SCREEN DISPLAYED ON SIMPLIFIED PASSPORT CONTROL CLIENT TERMINAL 70
DIFFERENCE ID INFORMATION WATCH LIST MATCHING RESULTT:
NUMBER OF WATCH LISTS DEEMED TO BE RELEVANT (1)
Xxxx
7000
DIFFERENCE BIOMETRIC INFORMATION WATCH LIST MATCHING RESULT:
NUMBER OF WATCH LISTS DEEMED TO BE RELEVANT (0)
NOT APPLICABLE
7002
PERSONAL IDENTITY VERIFICATION BY BIOMETRIC AUTHENTICATION WITH PERSON OF APPLICANT
IMMIGRATION HISTORY: OK
PREVIOUS PASSPORT CONTROL CLEARED
7004
APPLICANT IMMIGRATION HISTORY
HISTORY 1:
X YEAR x MONTH x DATE X HOUR x MINUTE, X AIRPORT
IMMIGRATION OFFICER X
SIMPLIFIED PASSPORT CONTROL CLEARED
HISTORY 2:
...
7006

FIG. 17


CPU
200
FIRST STORAGE DEVICE
201
SECOND STORAGE DEVICE
202
OUTPUT DEVICE
203
EXTERNAL DEVICE INTERFACE
204
COMMUNICATION DEVICE
205
NETWORK 1,2
INPUT DEVICE
210
READER DEVICE
211
CAMERA
212
MULTIMODAL FINGERPRINT AND FINGER VEIN SCANNER
213