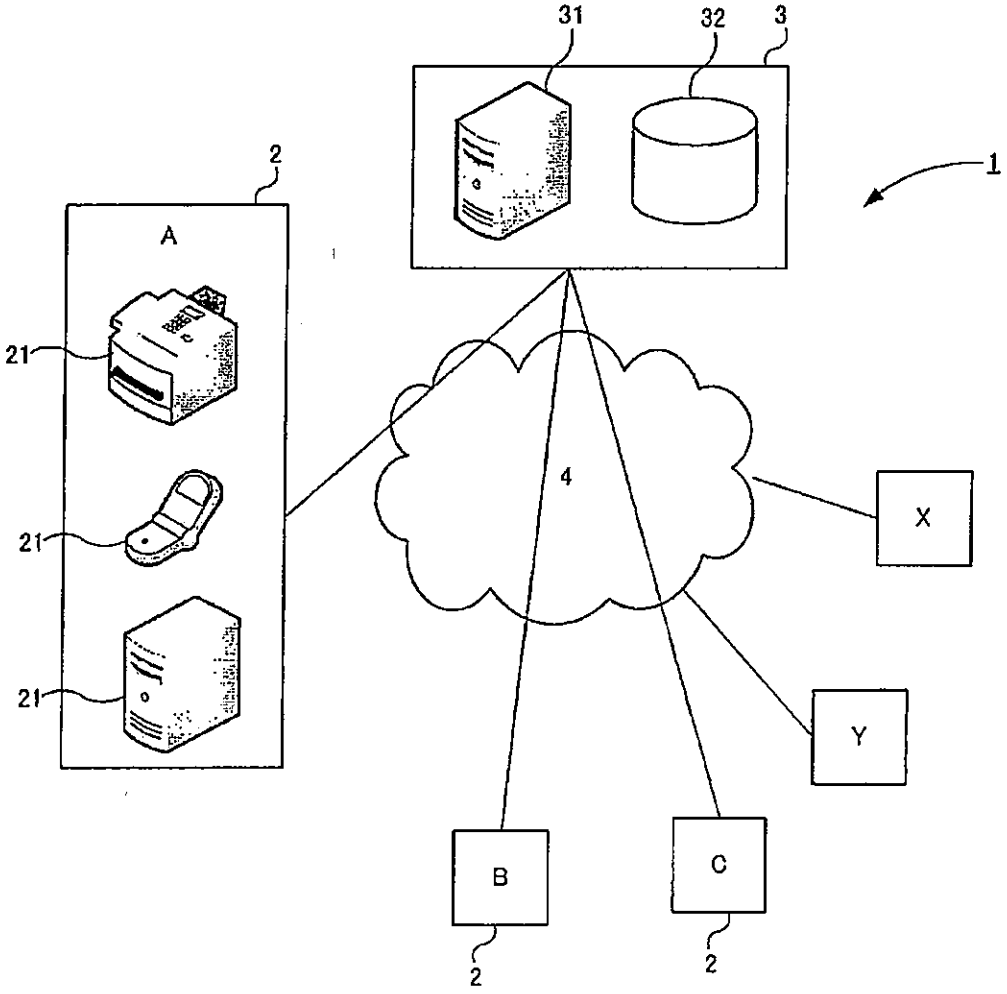


FIG.1

USER A		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
	RECEIVERS LIST	B,C
	SENDERS LIST	B,D
SENDERS' PERSONAL CONTACT INFORMATION	USER B	...
CONSISTENCY LIST	USER B	
INCONSISTENCY LIST	USER C	...
	USER D	...

USER B		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
	RECEIVERS LIST	A,C,D
	SENDERS LIST	A,C,D
SENDERS' PERSONAL CONTACT INFORMATION	USER A	...
	USER C	...
	USER D	...
CONSISTENCY LIST	USER A	
	USER C	...
	USER D	...

USER C		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
	RECEIVERS LIST	B
	SENDERS LIST	B,D
SENDERS' PERSONAL CONTACT INFORMATION	USER B	...
	USER D	...
CONSISTENCY LIST	USER B	
	USER D	
INCONSISTENCY LIST	USER A	...

USER D		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
	RECEIVERS LIST	B,C
	SENDERS LIST	A,B
SENDERS' PERSONAL CONTACT INFORMATION	USER B	
CONSISTENCY LIST	USER B	
	USER C	
INCONSISTENCY LIST	USER A	

FIG.2

OWN LANGUAGE	ENGLISH
氏名	Name

WORK-RELATED INFORMATION	
肩書き	Title
所属部署	Section, Department, Division
会社名	Organization name
会社住所	Business Address
会社メールアドレス	Business mail address
会社電話番号	Business phone number
会社携帯電話番号	Business mobile phone number
会社FAX番号	Business FAX number
会社url	Organization url

PERSONAL CONTACT INFORMATION	
個人用メールアドレス	Personal mail address
個人用携帯電話番号	Personal mobile phone number
個人url	Personal url

HOME INFORMATION	
自宅住所	Home address
自宅電話番号	Home phone number
自宅FAX番号	Home FAX number

(A)

USER SETTING OF ITEMS TO BE DISCLOSED	1	2	3	4
Name	O	O	O	O

WORK-RELATED INFORMATION				
Title	O			
Section, Department, Division	O			
Organization name	O			O
Business Address	O			O
Business mail address	O			
Business phone number	O			O
Business mobile phone number	O			
Business FAX number	O			O
Organization url	O			O

PERSONAL CONTACT INFORMATION				
Personal mail address		O	O	
Personal mobile phone number		O	O	
Personal url		O	O	

HOME INFORMATION				
Home address		O		O
Home phone number		O		O
Home FAX number		O		O

(B)

FIG.3

RECEIVERS LIST

NAME OF RECEIVERS	E-MAIL ADDRESS	ITEMS TO BE DISCLOSED	USER ID	CHECKING RESULT
USER B	bbb@・・・	・・・	・・・	○
USER C	ccc@・・・	・・・	・・・	△
USER E	eee@・・・	・・・	・・・	×
UNREGISTERED PERSON X	xxx@・・・	・・・		△

FIG.4

SENDERS LIST

NAME OF SENDERS	E-MAIL ADDRESS	USER ID	CHECKING RESULT
USER B	bbb@・・・	・・・	○
USER D	ddd@・・・	・・・	△
UNREGISTERED PERSON Y	yyy@・・・		△

FIG.5

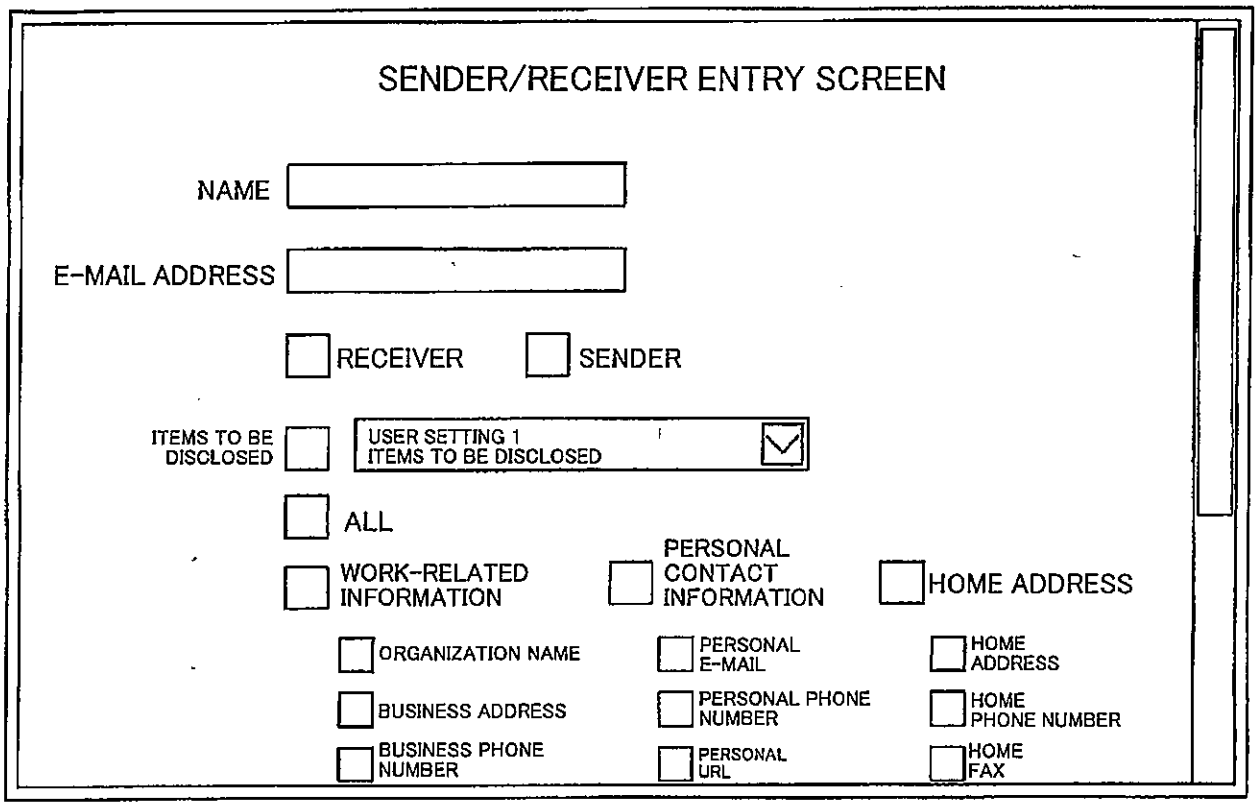

SENDER/RECEIVER ENTRY SCREEN
NAME
E-MAIL ADDRESS
RECEIVER
SENDER
ITEMS TO BE DISCLOSED
USER SETTING 1 ITEMS TO BE DISCLOSED
ALL
WORK-RELATED INFORMATION
PERSONAL CONTACT INFORMATION
HOME ADDRESS
ORGANIZATION NAME
BUSINESS ADDRESS
BUSINESS PHONE NUMBER
PERSONAL E-MAIL
PERSONAL PHONE NUMBER
PERSONAL URL
HOME ADDRESS
HOME PHONE NUMBER
HOME FAX

FIG.6

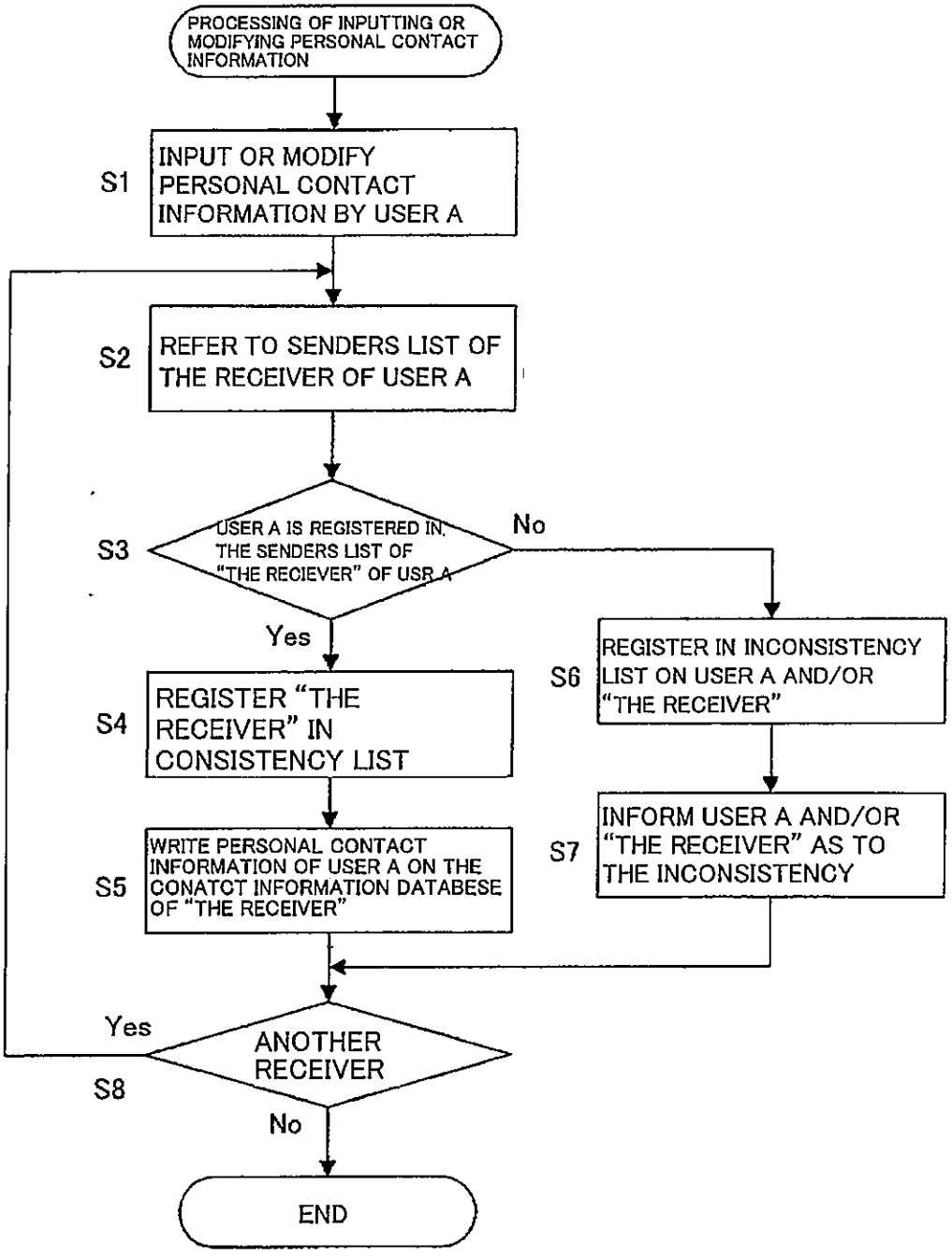

PROCESSING OF INPUTTING OR MODIFYING PERSONAL CONTACT INFORMATION
S1
INPUT OR MODIFY PERSONAL CONTACT INFORMATION BY USER A
S2
REFER TO SENDERS LIST OF THE RECEIVER OF USER A
S3
USER A IS REGISTERED IN THE SENDERS LIST OF "THE RECIEVER" OF USR A
No
Yes
S4
REGISTER "THE RECEIVER" IN CONSISTENCY LIST
S5
WRITE PERSONAL CONTACT INFORMATION OF USER A ON THE CONATCT INFORMATION DATABESE OF "THE RECEIVER"
S6
REGISTER IN INCONSISTENCY LIST ON USER A AND/OR "THE RECEIVER"
S7
INFORM USER A AND/OR "THE RECEIVER" AS TO THE INCONSISTENCY
Yes
S8
ANOTHER RECEIVER
No
END

FIG.7

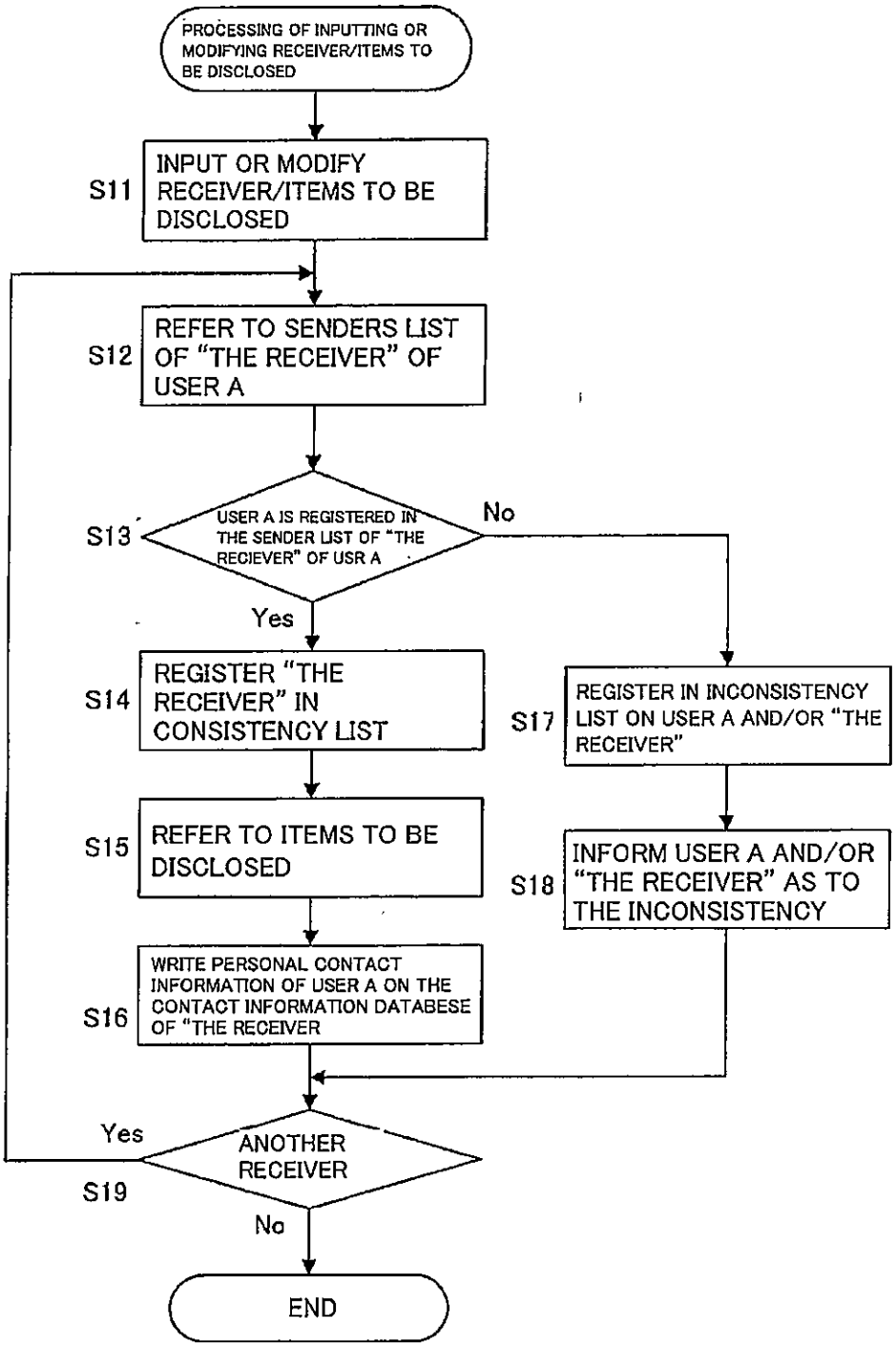

PROCESSING OF INPUTTING OR MODIFYING RECEIVER/ITEMS TO BE DISCLOSED
S11
INPUT OR MODIFY RECEIVER/ITEMS TO BE DISCLOSED
S12
REFER TO SENDERS LIST OF "THE RECEIVER" OF USER A
S13
USER A IS REGISTERED IN THE SENDER LIST OF "THE RECIEVER" OF USR A
No
Yes
S14
REGISTER "THE RECEIVER" IN CONSISTENCY LIST
S15
REFER TO ITEMS TO BE DISCLOSED
S16
WRITE PERSONAL CONTACT INFORMATION OF USER A ON THE CONTACT INFORMATION DATABESE OF "THE RECEIVER
S17
REGISTER IN INCONSISTENCY LIST ON USER A AND/OR "THE RECEIVER"
S18
INFORM USER A AND/OR "THE RECEIVER" AS TO THE INCONSISTENCY
Yes
S19
ANOTHER RECEIVER
No
END

FIG.8

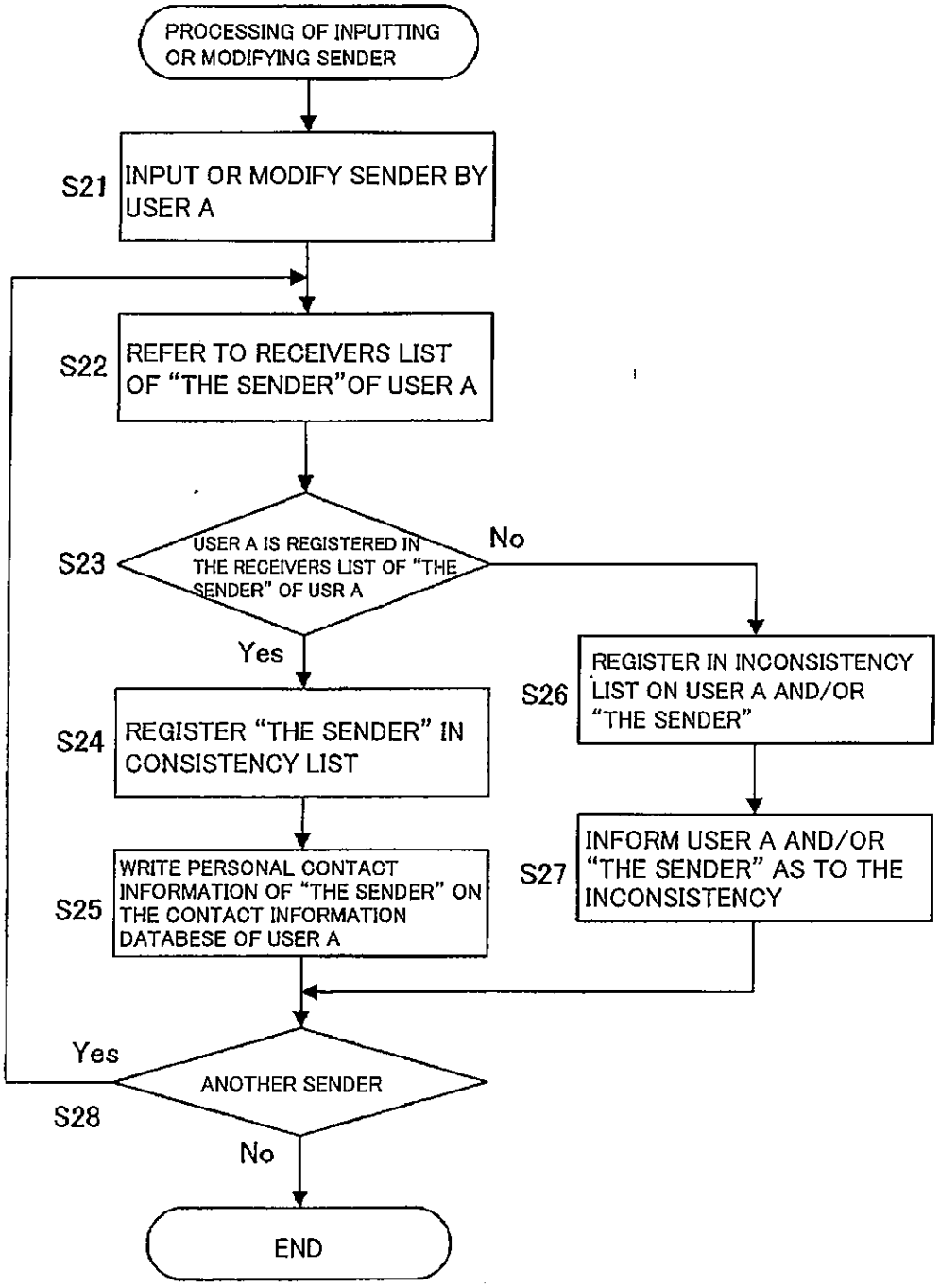

PROCESSING OF INPUTTING OR MODIFYING SENDER
S21
INPUT OR MODIFY SENDER BY USER A
S22
REFER TO RECEIVERS LIST OF "THE SENDER"OF USER A
S23
USER A IS REGISTERED IN THE RECEIVERS LIST OF "THE SENDER" OF USR A
No
Yes
S24
REGISTER "THE SENDER" IN CONSISTENCY LIST
S25
WRITE PERSONAL CONTACT INFORMATION OF "THE SENDER" ON THE CONTACT INFORMATION DATABESE OF USER A
S26
REGISTER IN INCONSISTENCY LIST ON USER A AND/OR "THE SENDER"
S27
INFORM USER A AND/OR "THE SENDER" AS TO THE INCONSISTENCY
Yes
ANOTHER SENDER
S28
No
END

FIG.9

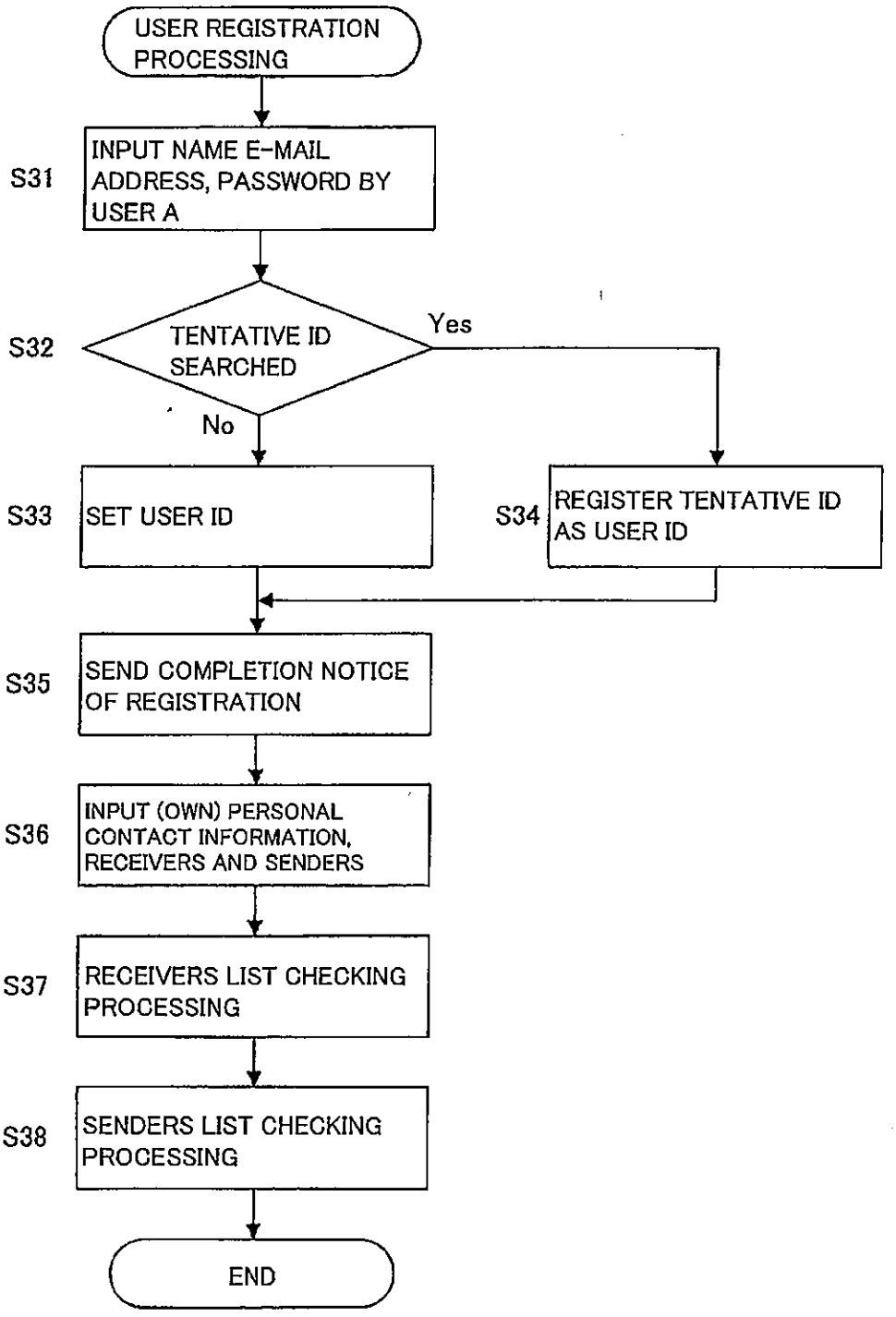

USER REGISTRATION PROCESSING
S31
INPUT NAME E-MAIL ADDRESS, PASSWORD BY USER A
S32
TENTATIVE ID SEARCHED
Yes
No
S33
SET USER ID
S34
REGISTER TENTATIVE ID AS USER ID
S35
SEND COMPLETION NOTICE OF REGISTRATION
S36
INPUT (OWN) PERSONAL CONTACT INFORMATION, RECEIVERS AND SENDERS
S37
RECEIVERS LIST CHECKING PROCESSING
S38
SENDERS LIST CHECKING PROCESSING
END

FIG.10

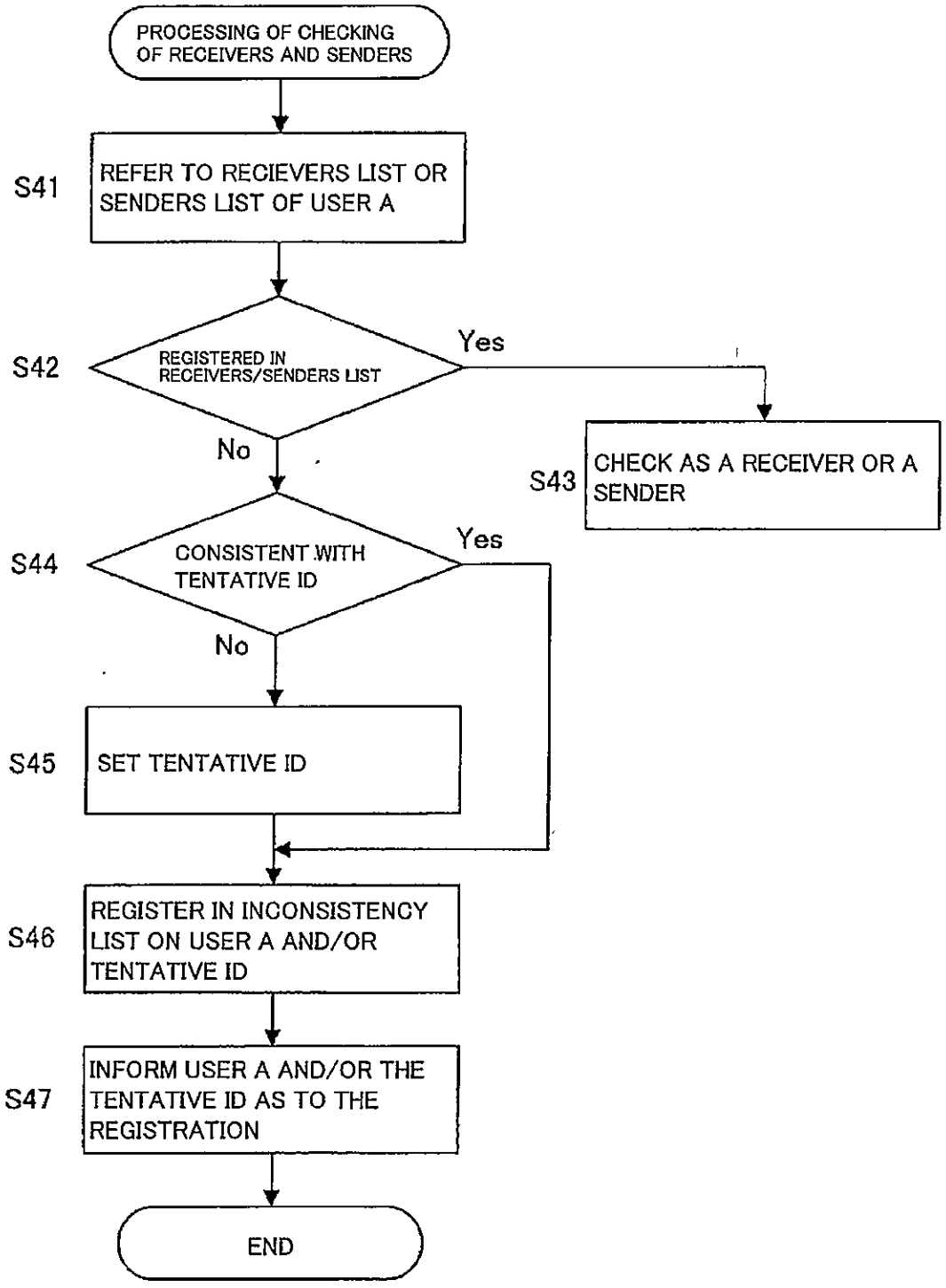

PROCESSING OF CHECKING OF RECEIVERS AND SENDERS
S41
REFER TO RECIEVERS LIST OR SENDERS LIST OF USER A
S42
REGISTERED IN RECEIVERS/SENDERS LIST
Yes
No
S43
CHECK AS A RECEIVER OR A SENDER
S44
CONSISTENT WITH TENTATIVE ID
Yes
No
S45
SET TENTATIVE ID
S46
REGISTER IN INCONSISTENCY LIST ON USER A AND/OR TENTATIVE ID
S47
INFORM USER A AND/OR THE TENTATIVE ID AS TO THE REGISTRATION
END

FIG.11

USER A		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
	RECEIVERS LIST	B,C,X
	SENDERS LIST	B,D,X
SENDERS' PERSONAL CONTACT INFORMATION	USER B	...
	USER D	...
	USER Y	...
CONSISTENCY LIST	USER B	
INCONSISTENCY LIST	USER C	...
	USER D	...
	USER X	...
		...

USER X		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
INCONSISTENCY LIST	USER A	...

USER Y		
USER INFORMATION	PERSONAL CONTACT INFORMATION	...
INCONSISTENCY LIST	USER A	...

FIG.12

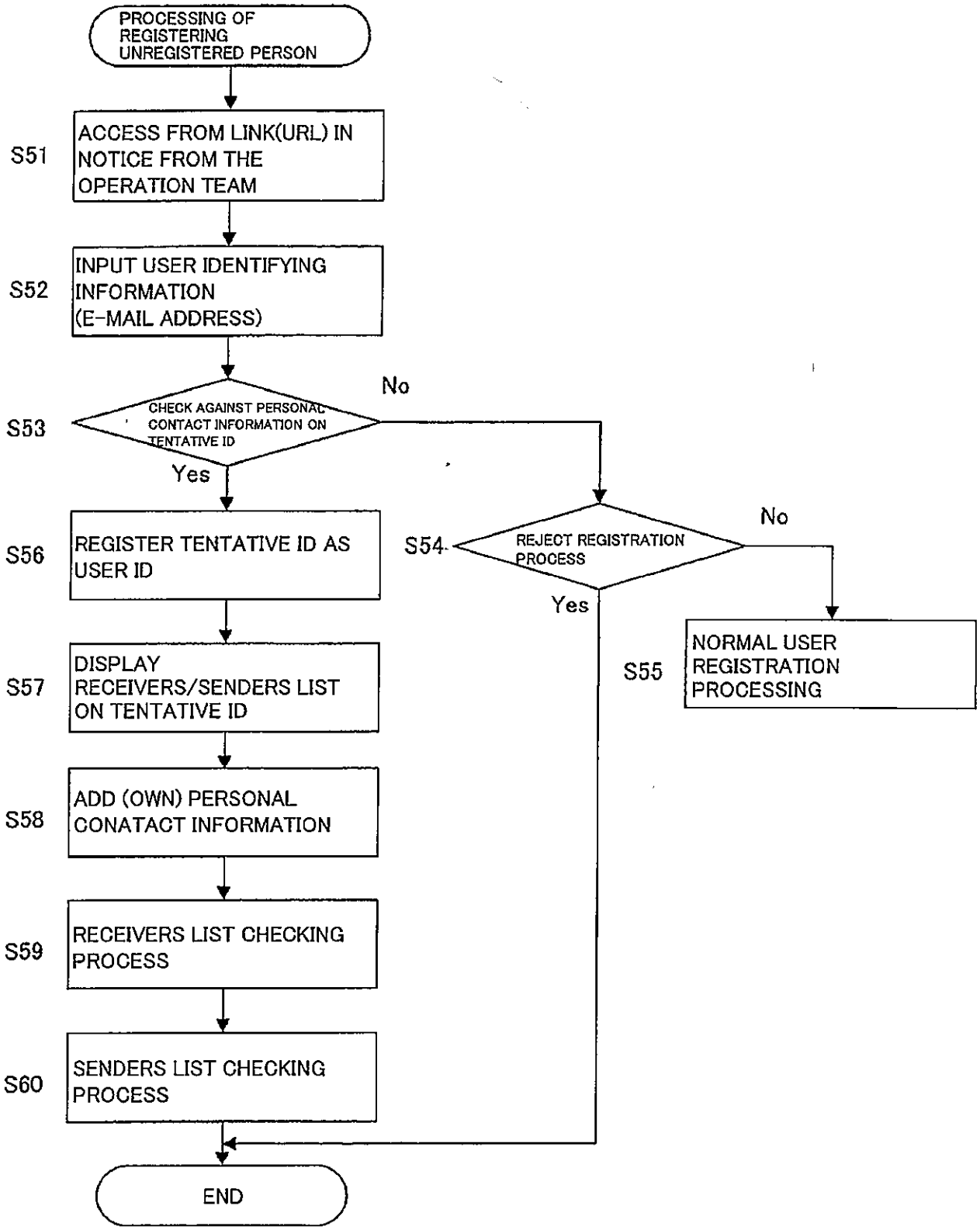

PROCESSING OF REGISTERING UNREGISTERED PERSON
S51
ACCESS FROM LINK(URL) IN NOTICE FROM THE OPERATION TEAM
S52
INPUT USER IDENTIFYING INFORMATION (E-MAIL ADDRESS)
S53
CHECK AGAINST PERSONAL CONTACT INFORMATION ON TENTATIVE ID
No
Yes
S54
REJECT REGISTRATION PROCESS
No
Yes
S55
NORMAL USER REGISTRATION PROCESSING
S56
REGISTER TENTATIVE ID AS USER ID
S57
DISPLAY RECEIVERS/SENDERS LIST ON TENTATIVE ID
S58
ADD (OWN) PERSONAL CONATACT INFORMATION
S59
RECEIVERS LIST CHECKING PROCESS
S60
SENDERS LIST CHECKING PROCESS
END

FIG.13

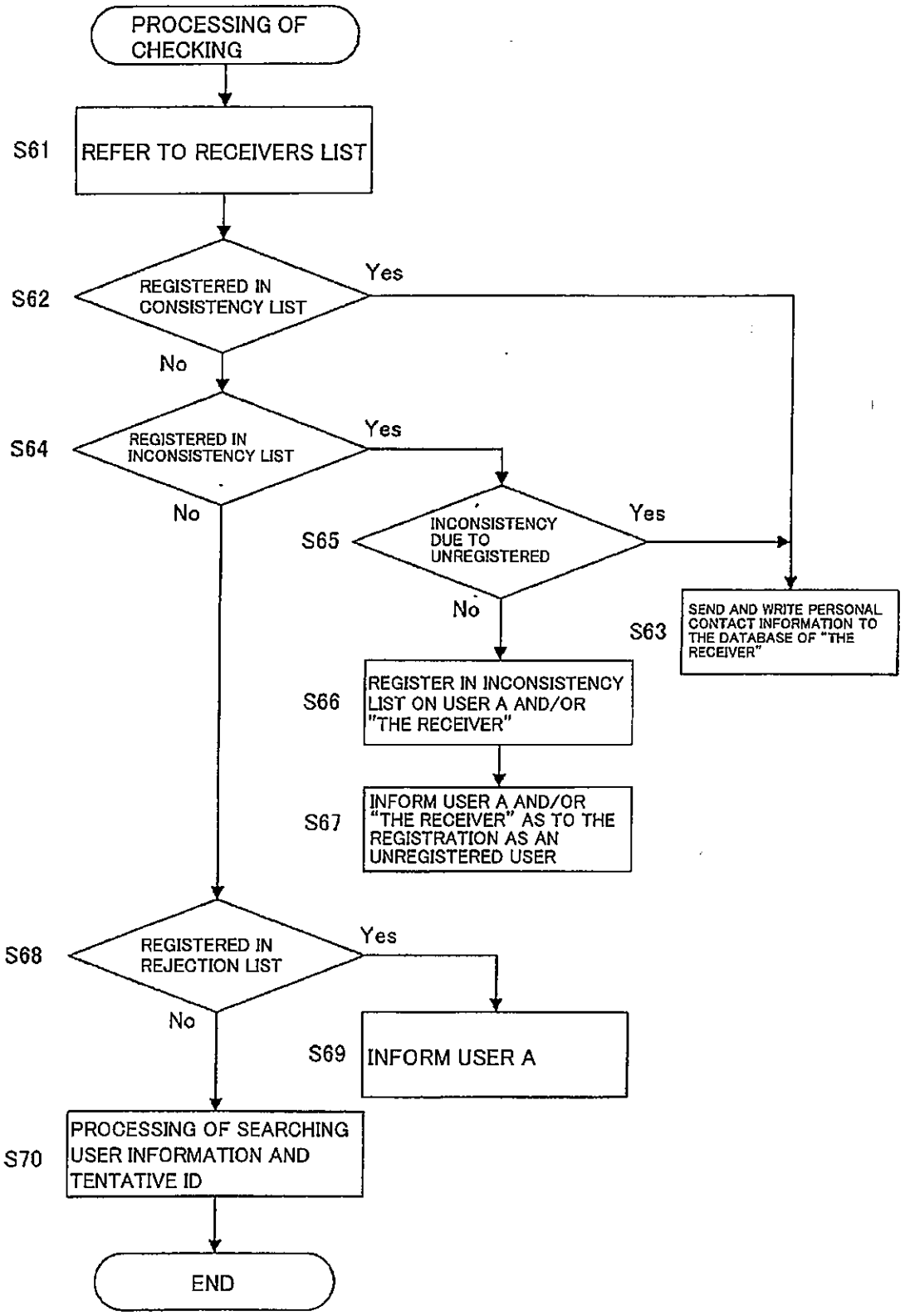

PROCESSING OF CHECKING
S61
REFER TO RECEIVERS LIST
S62
REGISTERED IN CONSISTENCY LIST
Yes
No
S64
REGISTERED IN INCONSISTENCY LIST
Yes
No
S65
INCONSISTENCY DUE TO UNREGISTERED
Yes
No
S63
SEND AND WRITE PERSONAL CONTACT INFORMATION TO THE DATABASE OF "THE RECEIVER"
S66
REGISTER IN INCONSISTENCY LIST ON USER A AND/OR "THE RECEIVER"
S67
INFORM USER A AND/OR "THE RECEIVER" AS TO THE REGISTRATION AS AN UNREGISTERED USER
S68
REGISTERED IN REJECTION LIST
Yes
No
S69
INFORM USER A
S70
PROCESSING OF SEARCHING USER INFORMATION AND TENTATIVE ID
END

FIG.14

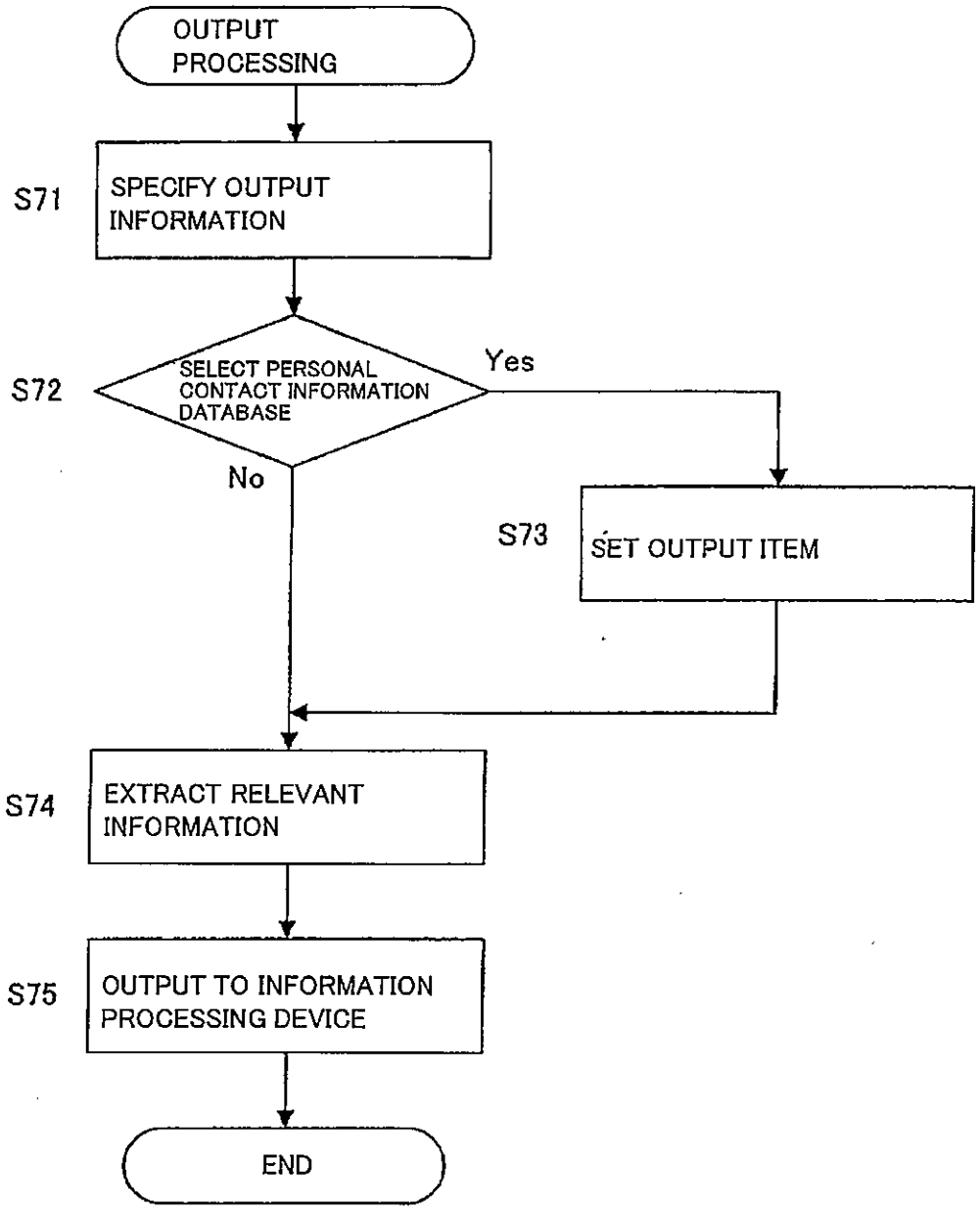
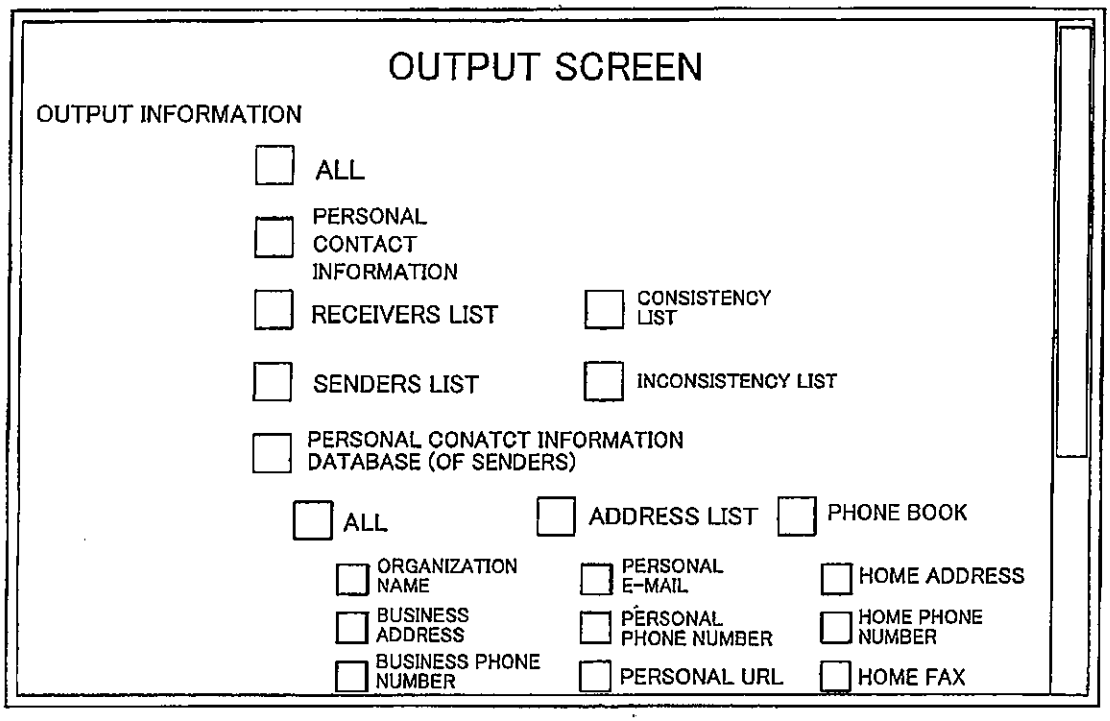

OUTPUT PROCESSING
S71
SPECIFY OUTPUT INFORMATION
S72
SELECT PERSONAL CONTACT INFORMATION DATABASE
Yes
No
S73
SET OUTPUT ITEM
S74
EXTRACT RELEVANT INFORMATION
S75
OUTPUT TO INFORMATION PROCESSING DEVICE
END

FIG.15

(A)


OUTPUT SCREEN
OUTPUT INFORMATION
ALL
PERSONAL CONTACT INFORMATION
RECEIVERS LIST
CONSISTENCY LIST
SENDERS LIST
INCONSISTENCY LIST
PERSONAL CONATCT INFORMATION DATABASE (OF SENDERS)
ALL
ADDRESS LIST
PHONE BOOK
ORGANIZATION NAME
PERSONAL E-MAIL
HOME ADDRESS
BUSINESS ADDRESS
PERSONAL PHONE NUMBER
HOME PHONE NUMBER
BUSINESS PHONE NUMBER
PERSONAL URL
HOME FAX

(B)

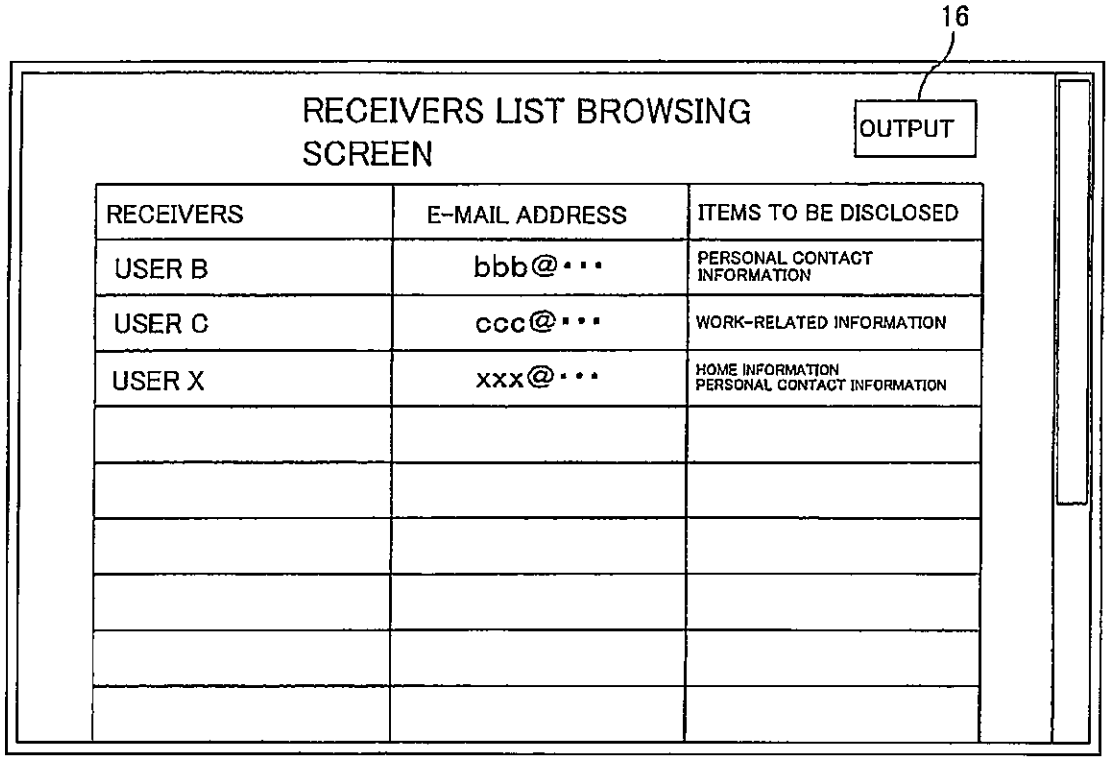

16
RECEIVERS LIST BROWSING SCREEN
OUTPUT
RECEIVERS
E-MAIL ADDRESS
ITEMS TO BE DISCLOSED
USER B
bbb@・・・
PERSONAL CONTACT INFORMATION
USER C
ccc@・・・
WORK-RELATED INFORMATION
USER X
xxx@・・・
HOME INFORMATION
PERSONAL CONTACT INFORMATION

FIG.16

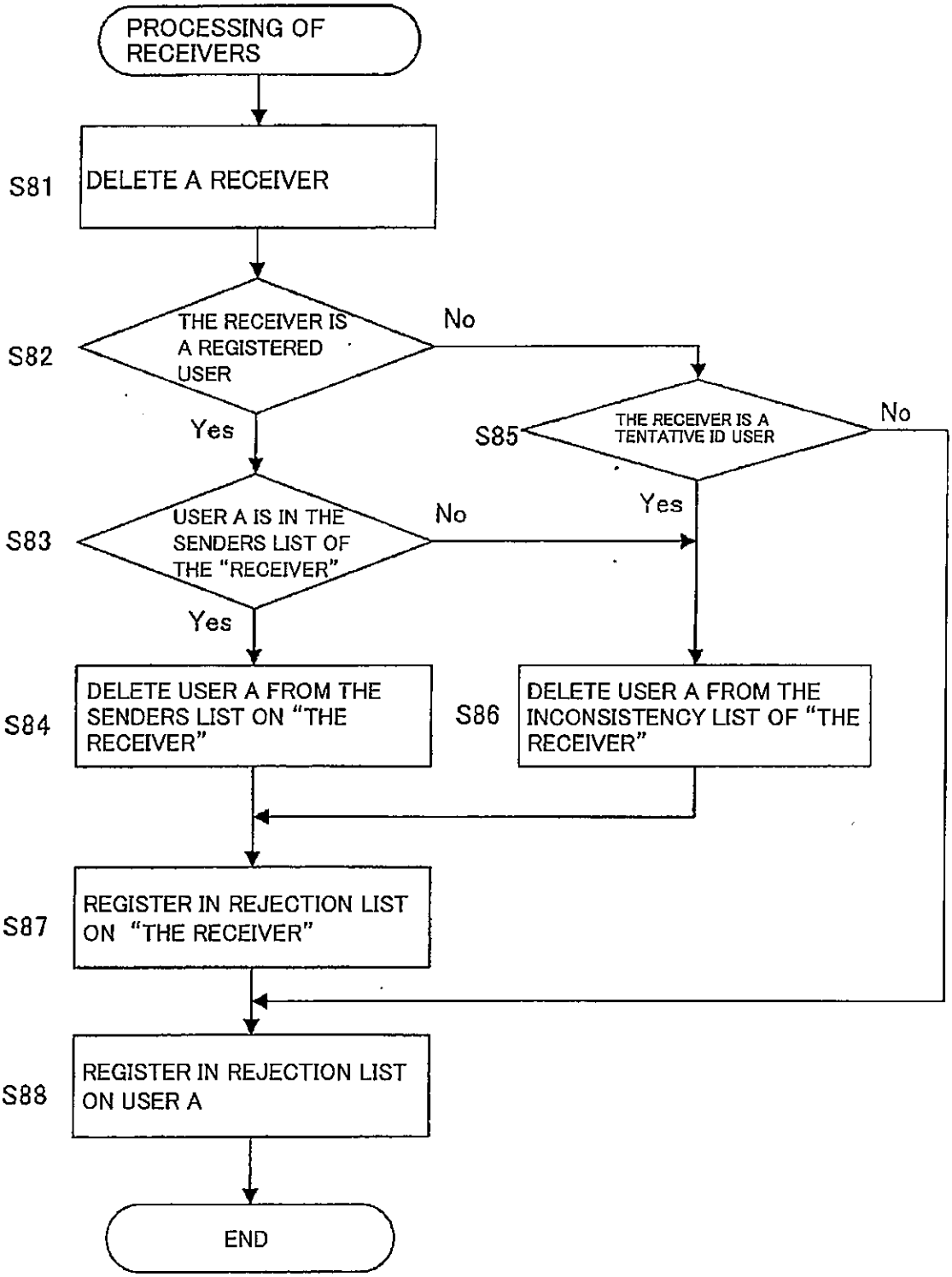

PROCESSING OF RECEIVERS
S81
DELETE A RECEIVER
S82
THE RECEIVER IS A REGISTERED USER
No
Yes
S85
THE RECEIVER IS A TENTATIVE ID USER
No
Yes
S83
USER A IS IN THE SENDERS LIST OF THE "RECEIVER"
No
Yes
S84
DELETE USER A FROM THE SENDERS LIST ON "THE RECEIVER"
S86
DELETE USER A FROM THE INCONSISTENCY LIST OF "THE RECEIVER"
S87
REGISTER IN REJECTION LIST ON "THE RECEIVER"
S88
REGISTER IN REJECTION LIST ON USER A
END

FIG.17

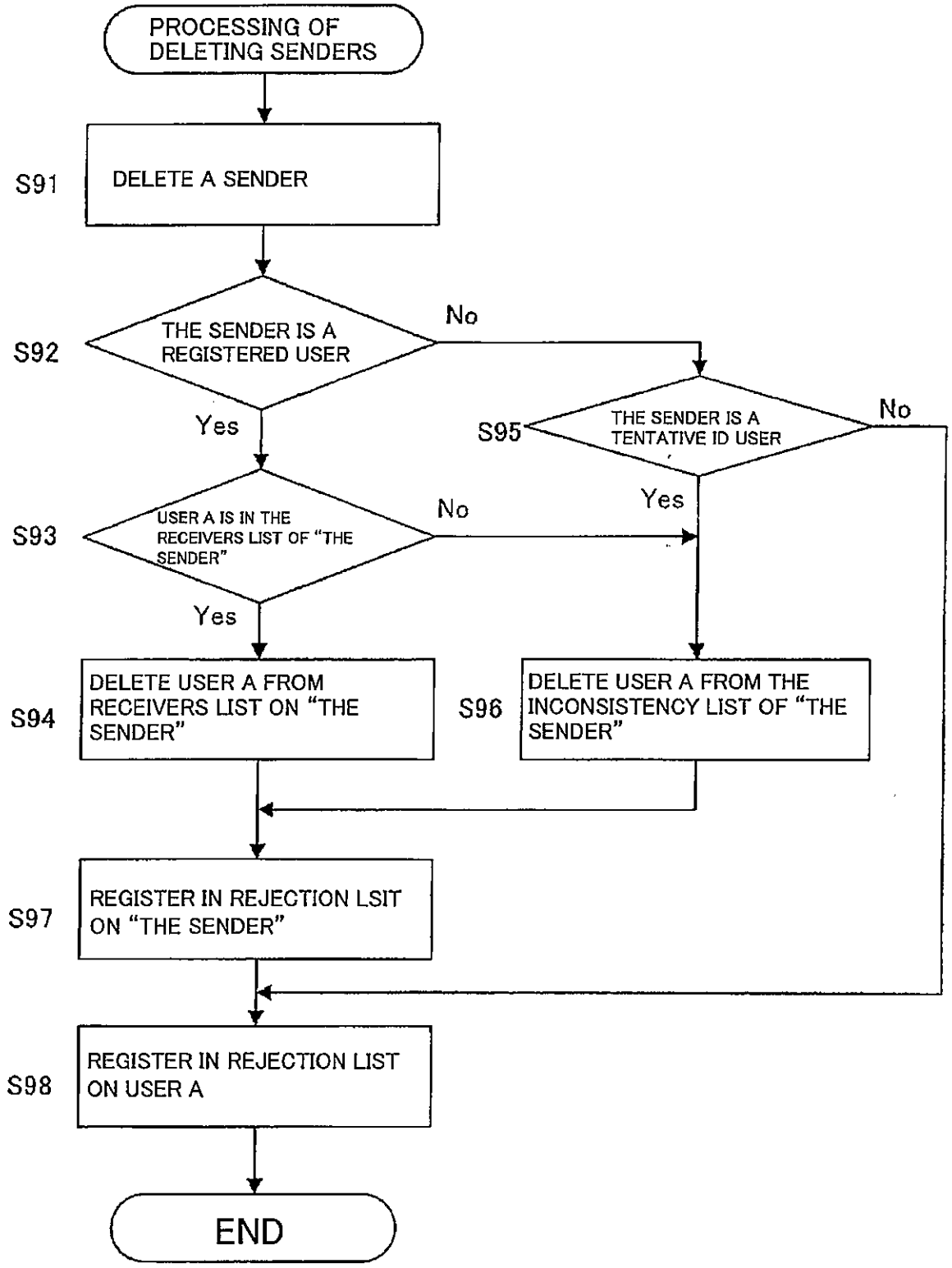

PROCESSING OF DELETING SENDERS
S91
DELETE A SENDER
S92
THE SENDER IS A REGISTERED USER
No
Yes
S95
THE SENDER IS A TENTATIVE ID USER
No
Yes
S93
USER A IS IN THE RECEIVERS LIST OF "THE SENDER"
No
Yes
S94
DELETE USER A FROM RECEIVERS LIST ON "THE SENDER"
S96
DELETE USER A FROM THE INCONSISTENCY LIST OF "THE SENDER"
S97
REGISTER IN REJECTION LSIT ON "THE SENDER"
S98
REGISTER IN REJECTION LIST ON USER A
END

FIG.18

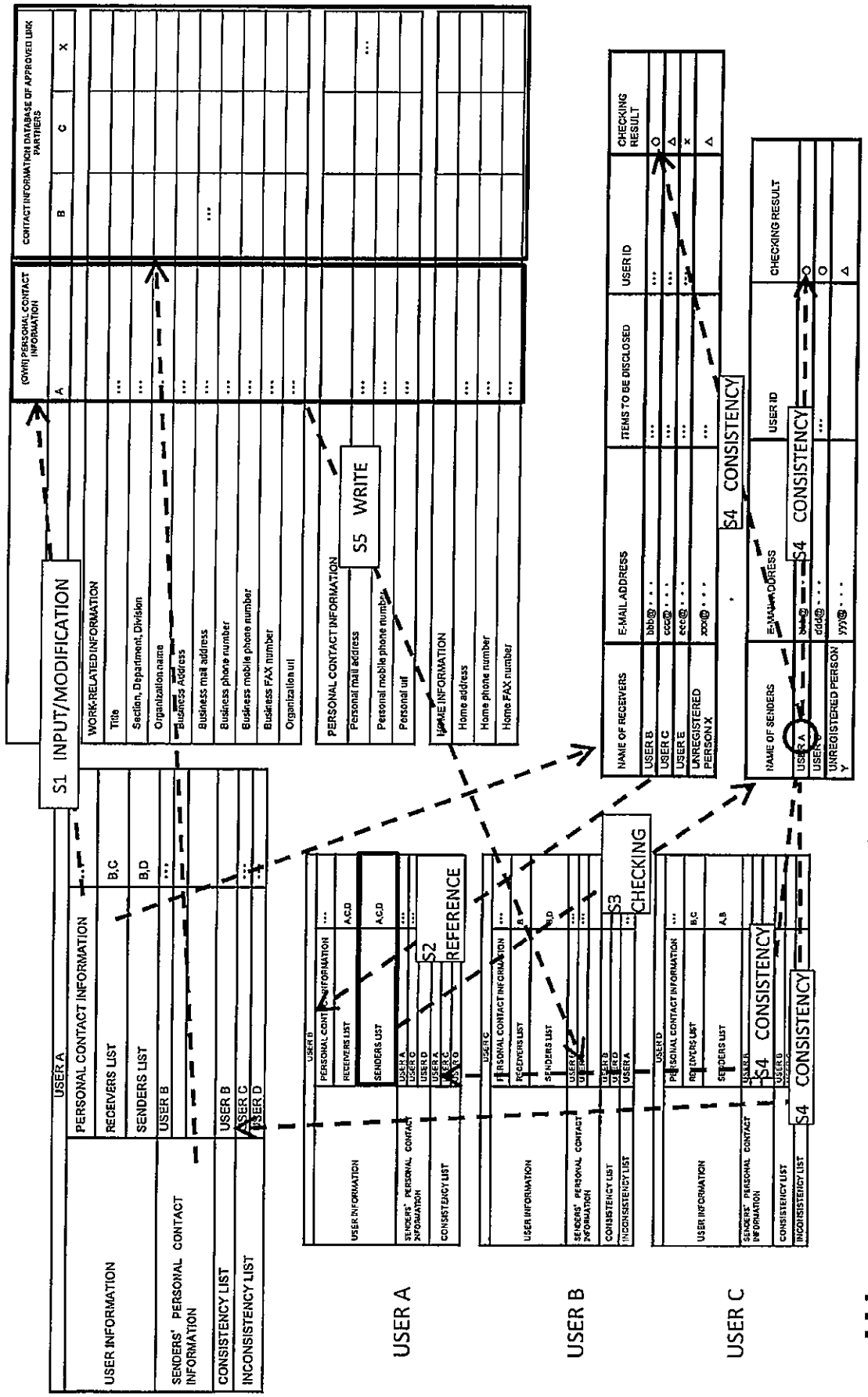

USER A
USER B
USER C
USER INFORMATION
PERSONAL CONTACT INFORMATION
RECEIVERS LIST
SENDERS LIST
SENDERS' PERSONAL CONTACT INFORMATION
CONSISTENCY LIST
INCONSISTENCY LIST
S1 INPUT/MODIFICATION
S2 REFERENCE
S3 CHECKING
S4 CONSISTENCY
S5 WRITE
(OWN) PERSONAL CONTACT INFORMATION
CONTACT INFORMATION DATABASE OF APPROVED USER PARTNERS
WORK-RELATED INFORMATION
Title
Section, Department, Division
Organization name
Business Address
Business mail address
Business phone number
Business mobile phone number
Business FAX number
Organization url
PERSONAL CONTACT INFORMATION
Personal mail address
Personal mobile phone number
Personal url
HOME INFORMATION
Home address
Home phone number
Home FAX number
NAME OF RECEIVERS
E-MAIL ADDRESS
ITEMS TO BE DISCLOSED
USER ID
CHECKING RESULT
NAME OF SENDERS
UNREGISTERED PERSON X
UNREGISTERED PERSON Y

FIG.21

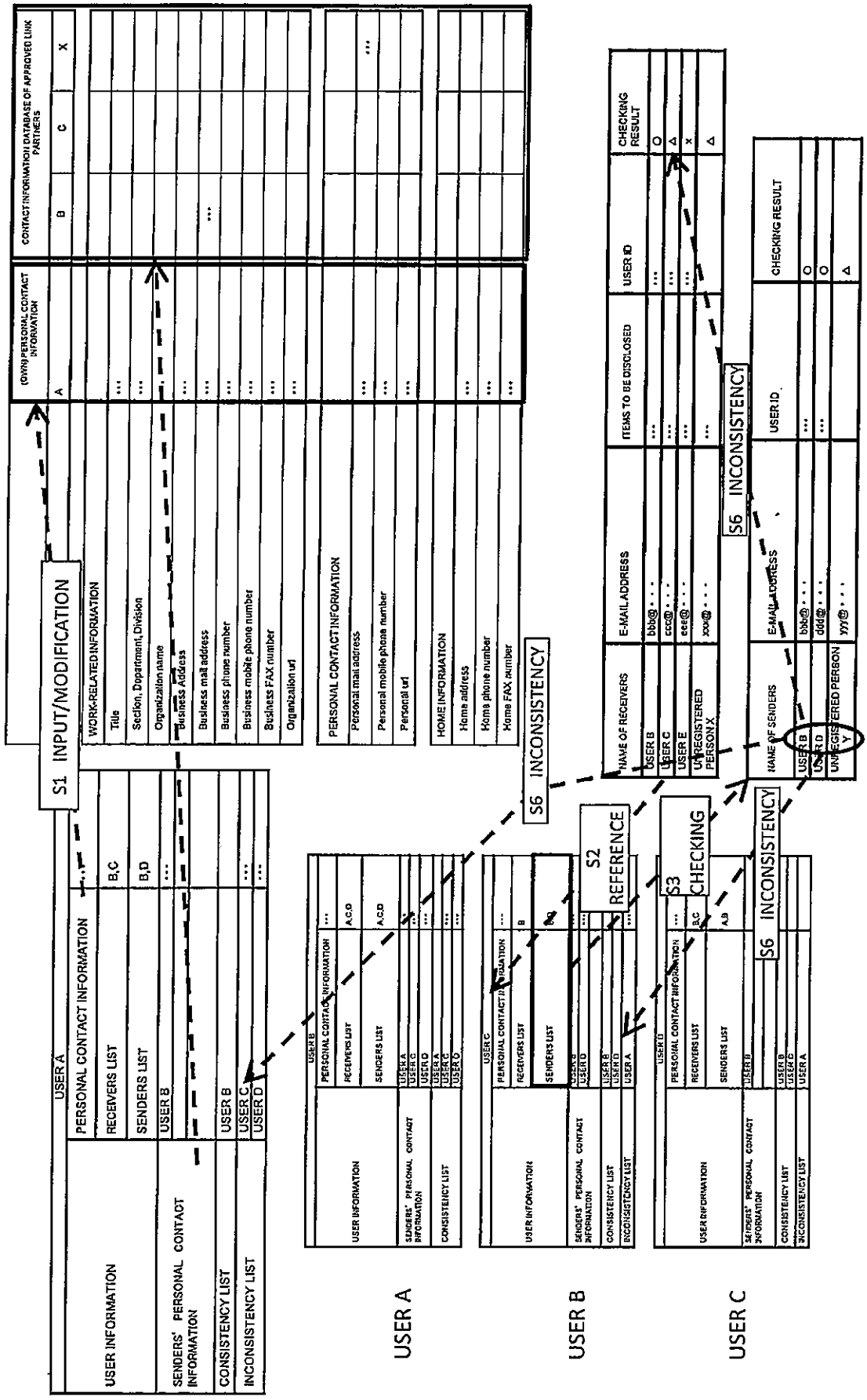

USER A
USER B
USER C
S1 INPUT/MODIFICATION
S2 REFERENCE
S3 CHECKING
S6 INCONSISTENCY
S6 INCONSISTENCY
S6 INCONSISTENCY
(OWN) PERSONAL CONTACT INFORMATION
CONTACT INFORMATION DATABASE OF APPROVED LINK PARTNERS
WORK-RELATED INFORMATION
PERSONAL CONTACT INFORMATION
HOME INFORMATION
USER INFORMATION
PERSONAL CONTACT INFORMATION
RECEIVERS LIST
SENDERS LIST
SENDERS' PERSONAL CONTACT INFORMATION
CONSISTENCY LIST
INCONSISTENCY LIST
ITEMS TO BE DISCLOSED
E-MAIL ADDRESS
USER ID
CHECKING RESULT
NAME OF RECEIVERS
NAME OF SENDERS
UNREGISTERED PERSON X
UNREGISTERED PERSON Y

FIG.22

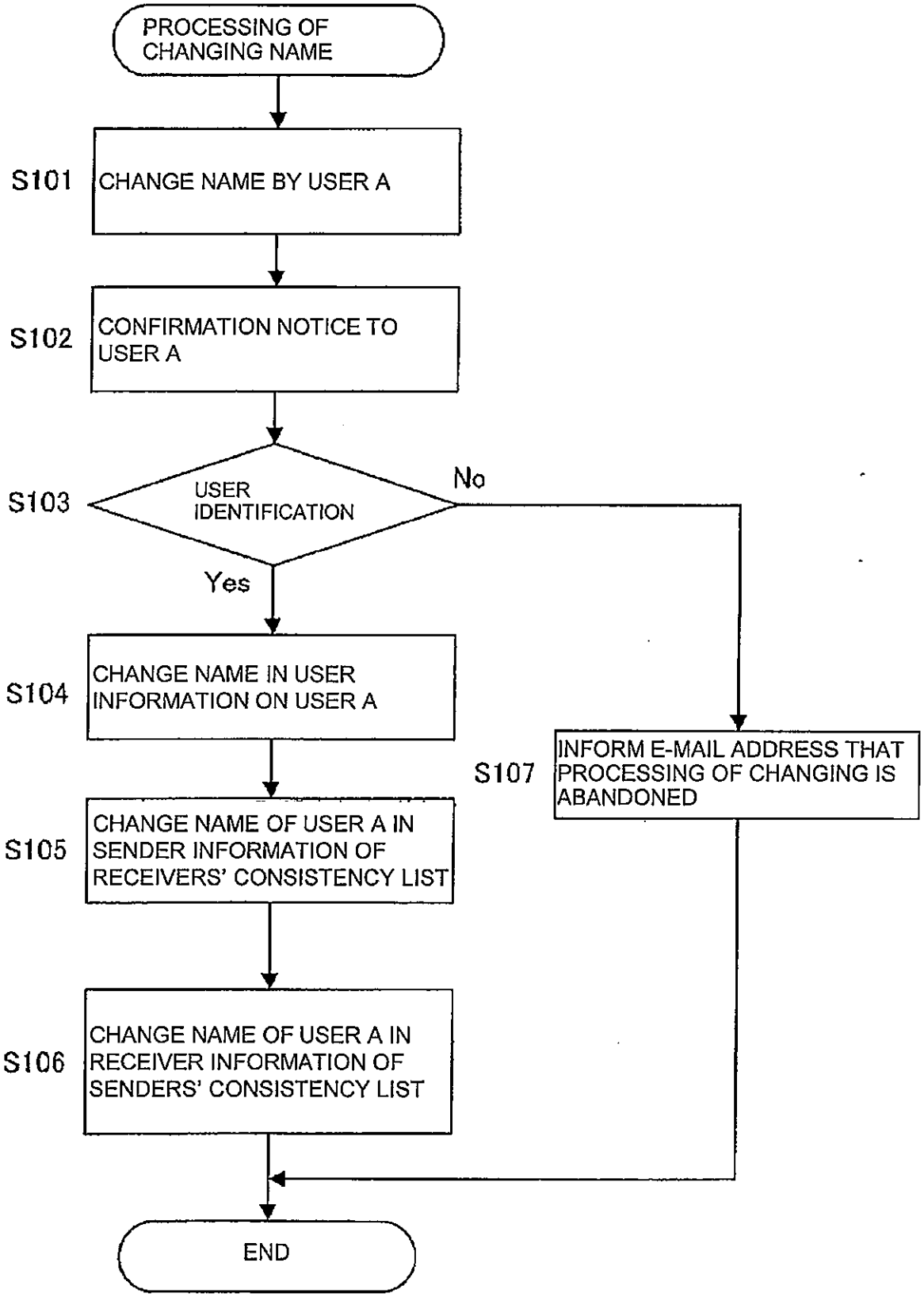

PROCESSING OF CHANGING NAME
S101
CHANGE NAME BY USER A
S102
CONFIRMATION NOTICE TO USER A
S103
USER IDENTIFICATION
No
Yes
S104
CHANGE NAME IN USER INFORMATION ON USER A
S105
CHANGE NAME OF USER A IN SENDER INFORMATION OF RECEIVERS' CONSISTENCY LIST
S106
CHANGE NAME OF USER A IN RECEIVER INFORMATION OF SENDERS' CONSISTENCY LIST
S107
INFORM E-MAIL ADDRESS THAT PROCESSING OF CHANGING IS ABANDONED
END

FIG.23

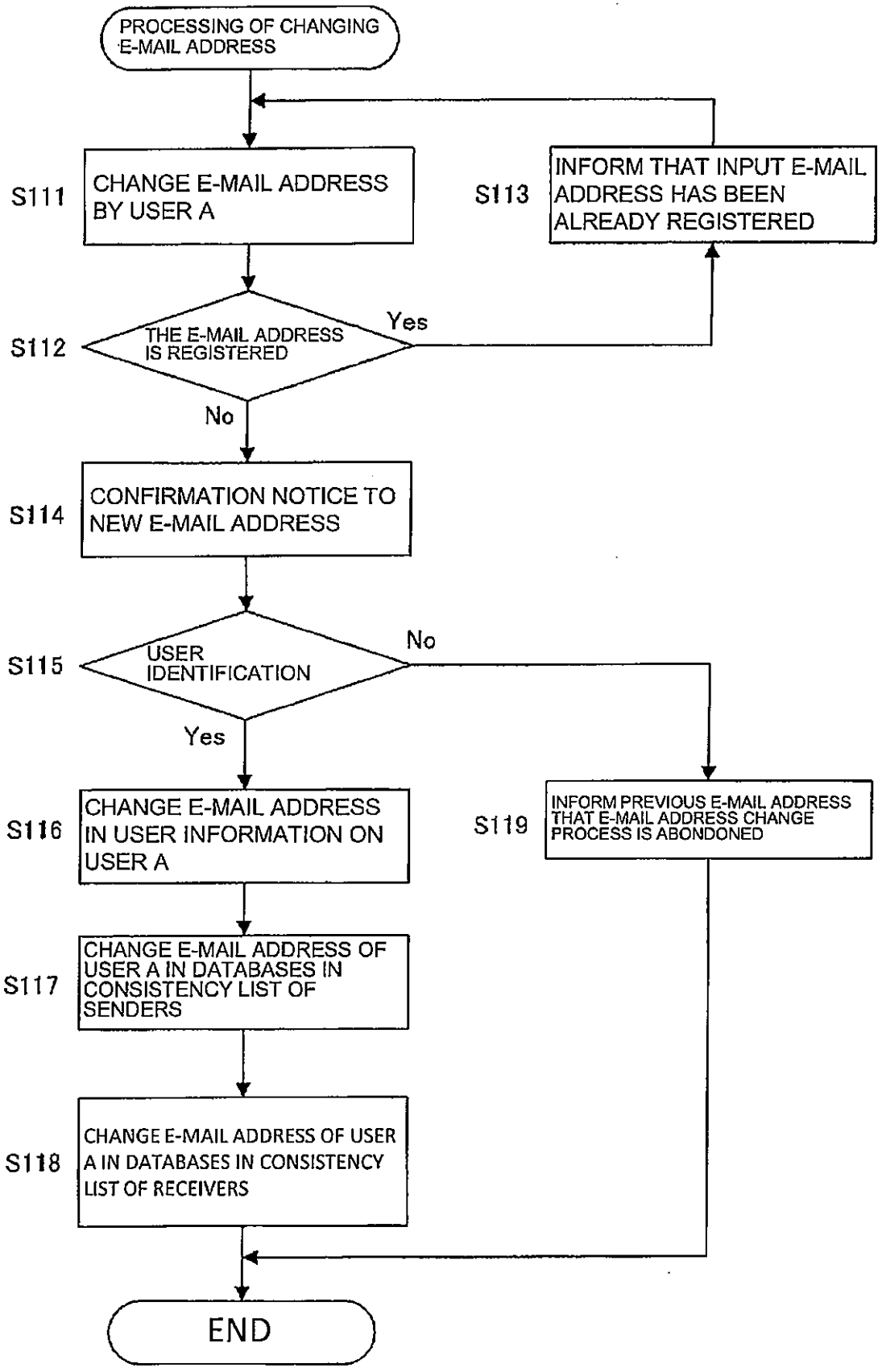

PROCESSING OF CHANGING E-MAIL ADDRESS
S111
CHANGE E-MAIL ADDRESS BY USER A
S112
THE E-MAIL ADDRESS IS REGISTERED
Yes
No
S113
INFORM THAT INPUT E-MAIL ADDRESS HAS BEEN ALREADY REGISTERED
S114
CONFIRMATION NOTICE TO NEW E-MAIL ADDRESS
S115
USER IDENTIFICATION
No
Yes
S116
CHANGE E-MAIL ADDRESS IN USER INFORMATION ON USER A
S117
CHANGE E-MAIL ADDRESS OF USER A IN DATABASES IN CONSISTENCY LIST OF SENDERS
S118
CHANGE E-MAIL ADDRESS OF USER A IN DATABASES IN CONSISTENCY LIST OF RECEIVERS
S119
INFORM PREVIOUS E-MAIL ADDRESS THAT E-MAIL ADDRESS CHANGE PROCESS IS ABONDONED
END

FIG.24