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FIG.1

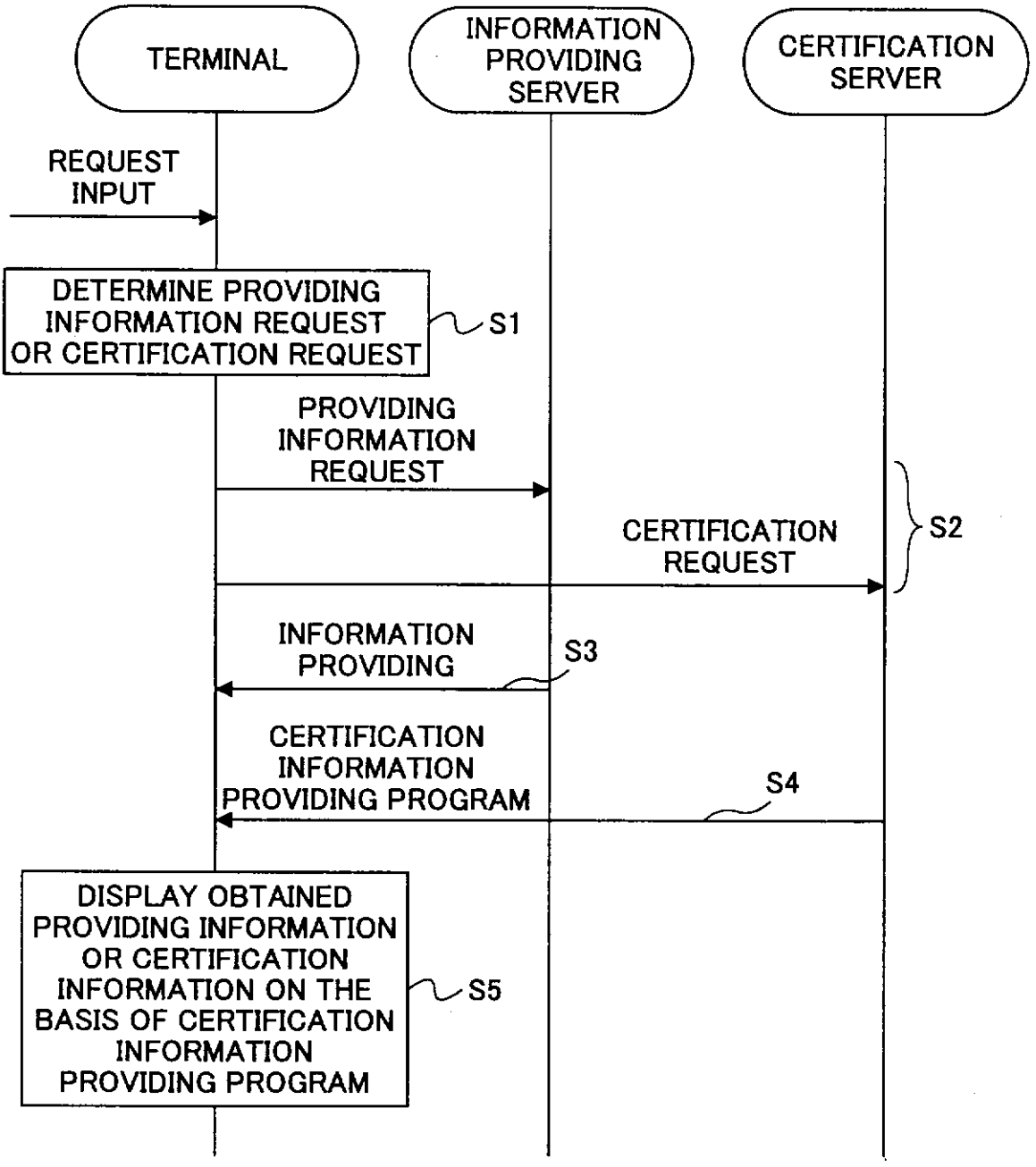


FIG.2

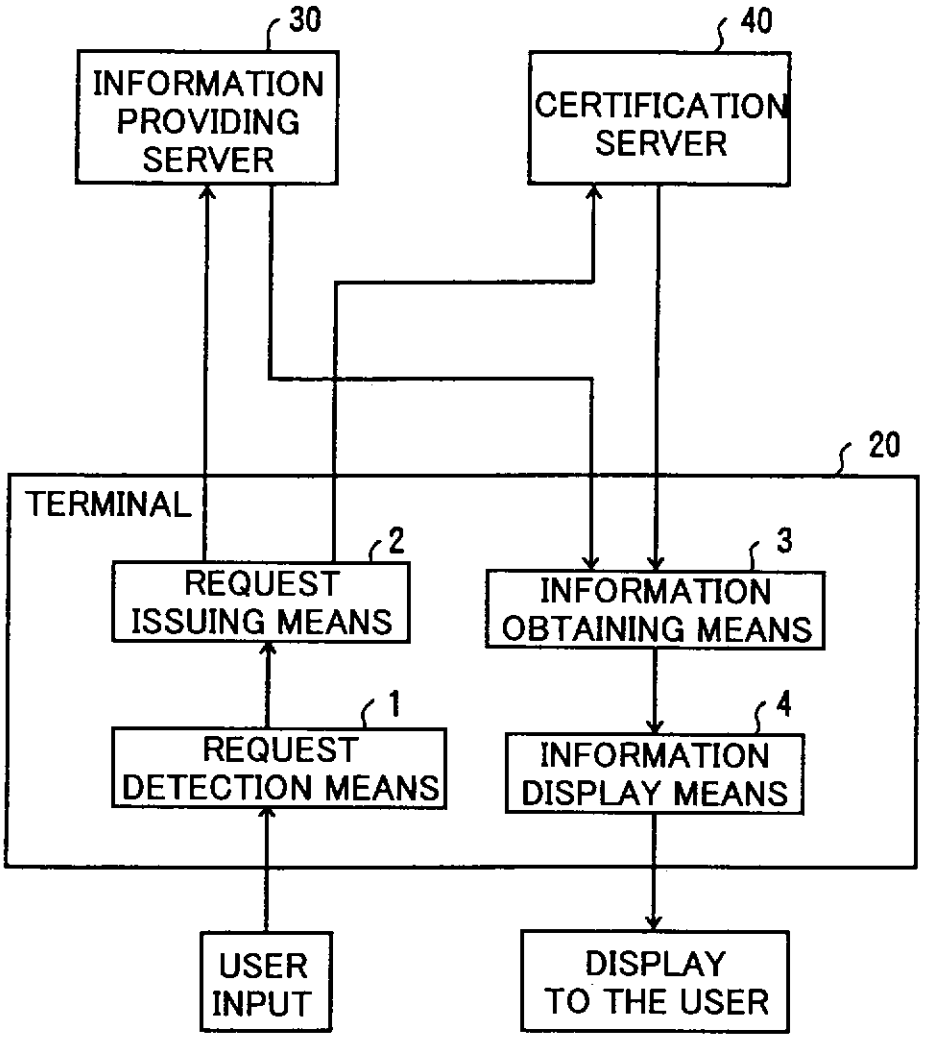

30
INFORMATION PROVIDING SERVER
40
CERTIFICATION SERVER
20
TERMINAL
2
REQUEST ISSUING MEANS
3
INFORMATION OBTAINING MEANS
1
REQUEST DETECTION MEANS
4
INFORMATION DISPLAY MEANS
USER INPUT
DISPLAY TO THE USER

FIG.3

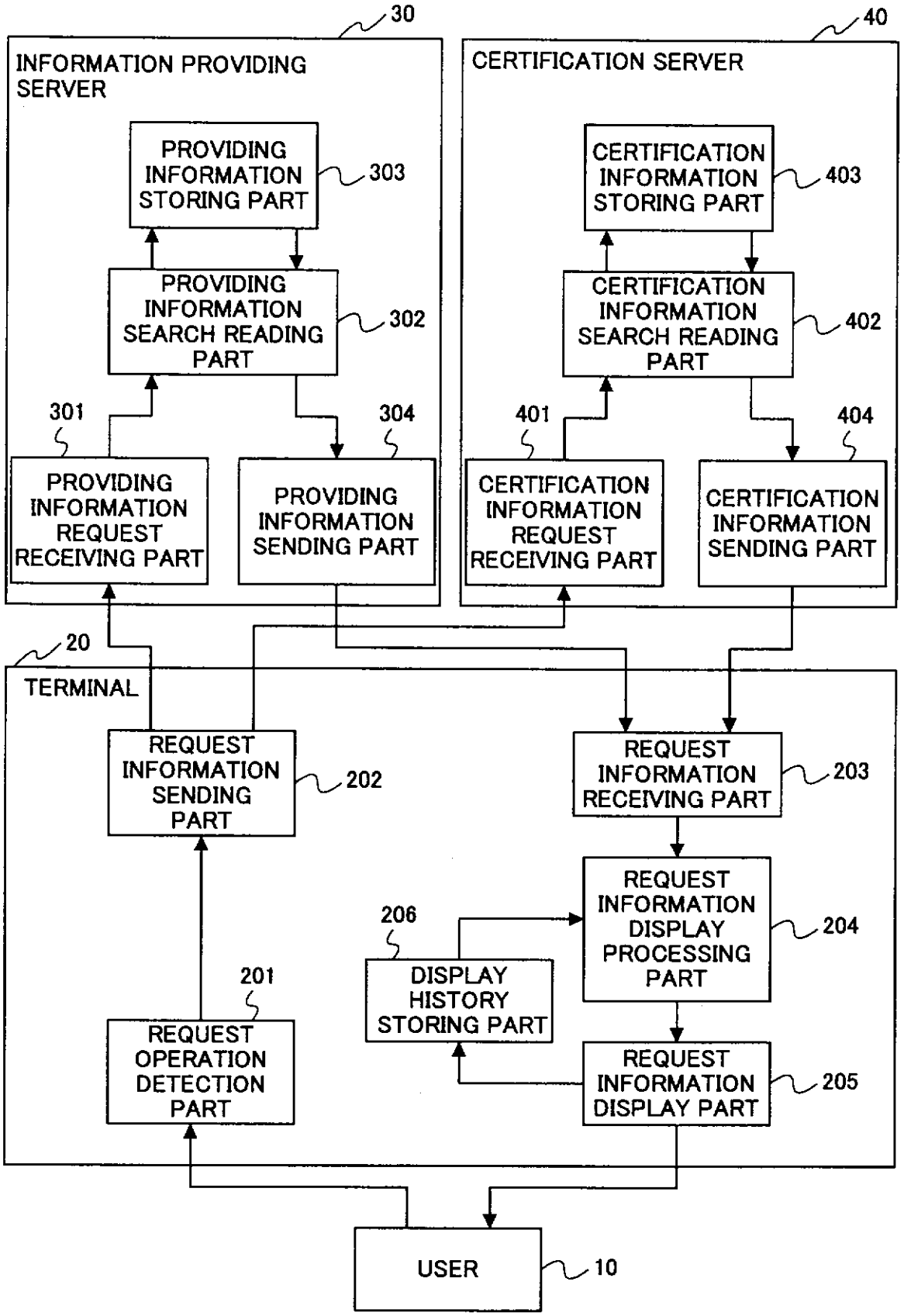

30
INFORMATION PROVIDING SERVER
PROVIDING INFORMATION STORING PART
303
PROVIDING INFORMATION SEARCH READING PART
302
301
304
PROVIDING INFORMATION REQUEST RECEIVING PART
PROVIDING INFORMATION SENDING PART
40
CERTIFICATION SERVER
CERTIFICATION INFORMATION STORING PART
403
CERTIFICATION INFORMATION SEARCH READING PART
402
401
404
CERTIFICATION INFORMATION REQUEST RECEIVING PART
CERTIFICATION INFORMATION SENDING PART
20
TERMINAL
REQUEST INFORMATION SENDING PART
202
REQUEST INFORMATION RECEIVING PART
203
206
REQUEST INFORMATION DISPLAY PROCESSING PART
204
201
DISPLAY HISTORY STORING PART
REQUEST OPERATION DETECTION PART
REQUEST INFORMATION DISPLAY PART
205
USER
10

FIG.4

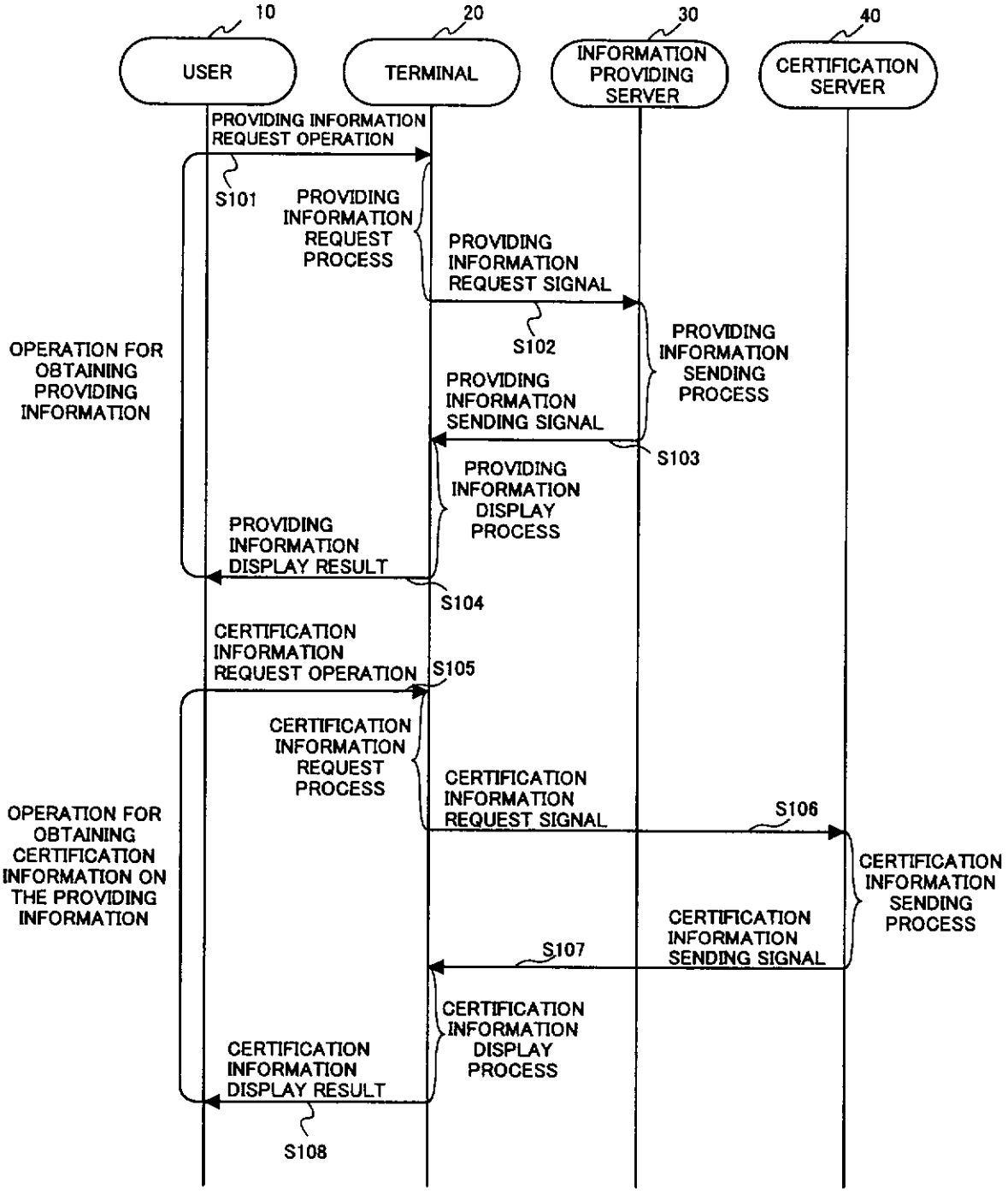
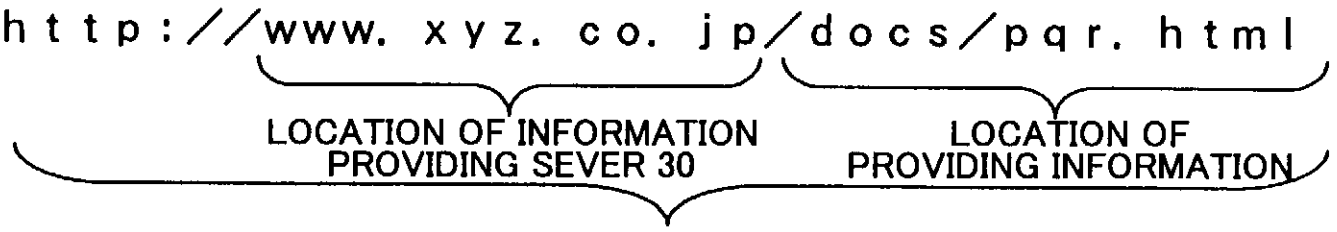

10
20
30
40
USER
TERMINAL
INFORMATION PROVIDING SERVER
CERTIFICATION SERVER
PROVIDING INFORMATION REQUEST OPERATION
S101
PROVIDING INFORMATION REQUEST PROCESS
PROVIDING INFORMATION REQUEST SIGNAL
S102
PROVIDING INFORMATION SENDING PROCESS
OPERATION FOR OBTAINING PROVIDING INFORMATION
PROVIDING INFORMATION SENDING SIGNAL
S103
PROVIDING INFORMATION DISPLAY PROCESS
PROVIDING INFORMATION DISPLAY RESULT
S104
CERTIFICATION INFORMATION REQUEST OPERATION
S105
CERTIFICATION INFORMATION REQUEST PROCESS
CERTIFICATION INFORMATION REQUEST SIGNAL
S106
OPERATION FOR OBTAINING CERTIFICATION INFORMATION ON THE PROVIDING INFORMATION
CERTIFICATION INFORMATION SENDING PROCESS
CERTIFICATION INFORMATION SENDING SIGNAL
S107
CERTIFICATION INFORMATION DISPLAY PROCESS
CERTIFICATION INFORMATION DISPLAY RESULT
S108

FIG.5

(A)



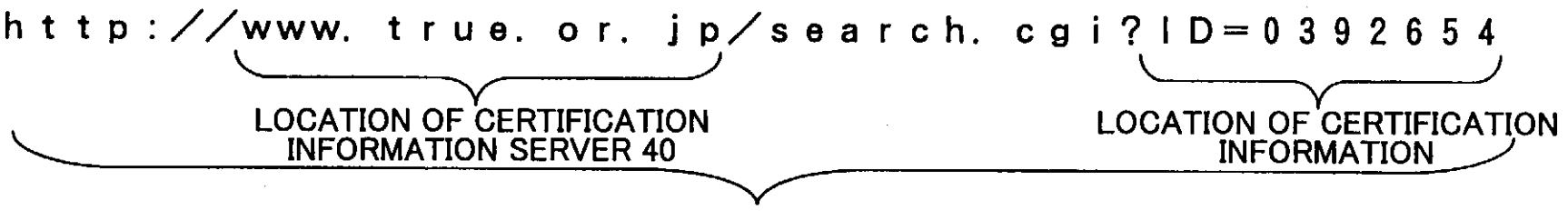
(B)

PROVIDING INFORMATION LOCATION IDENTIFIER	http://www.xyz.co.jp/docs/pqr.html
PROVIDING INFORMATION PRESENCE INFORMATION	(PRESENT OR ABSENT)
(PROVIDING INFORMATION)	

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FIG.6

(A)



(B)

CERTIFICATION INFORMATION LOCATION IDENTIFIER	http://www.true.or.jp/search.cgi?ID=0392654
CERTIFICATION INFORMATION PRESENCE INFORMATION	(PRESENT OR ABSENT)
(CERTIFICATION INFORMATION PROVIDING PROGRAM)	

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FIG.7

LOCATION OF PROVIDING INFORMATION	PROVIDING INFORMATION
/docs/abc.html	.....
⋮	⋮
/docs/pqr.html	A STORE ....
⋮	⋮

FIG.8

WELCOME TO A STORE
(INFORMATION PROVIDING SERVER)

THIS STORE DOES NOT ADVERTISE
PRODUCTS EXTRAVAGANTLY,
AND CASH ON DELIVERY.

ADDRESS: TOKYO TO OTA KU OOO
CONTACT ADDRESS
03-XXXX-ΔΔΔΔ

THIS STORE IS CERTIFIED AS
A MEMBER OF B ASSOCIATION
BY B ASSOCIATION.
PLEASE CHECK CERTIFICATION
INFORMATION BY CLICKING
THE RIGHT-SIDE LOGO MARK.

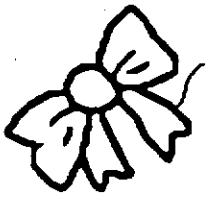


FIG.9

LOCATION OF CERTIFICATION INFORMATION	CERTIFICATION INFORMATION PROVIDING PROGRAM
0324254	.....
⋮	⋮
0392654	import java.awt.*: import java.awt.event.*; import java.applet.*; public class Applet1 extends Applet { .... public void init() { .... } }
⋮	⋮

FIG.10

THIS INFORMATION PROVIDING SERVER DOES NOT HAVE THE INFORMATION THAT YOU REQUESTED.

FIG.11

THIS CERTIFICATION SERVER DOES NOT HAVE THE CERTIFICATION INFORMATION THAT YOU REQUESTED.

FIG.12

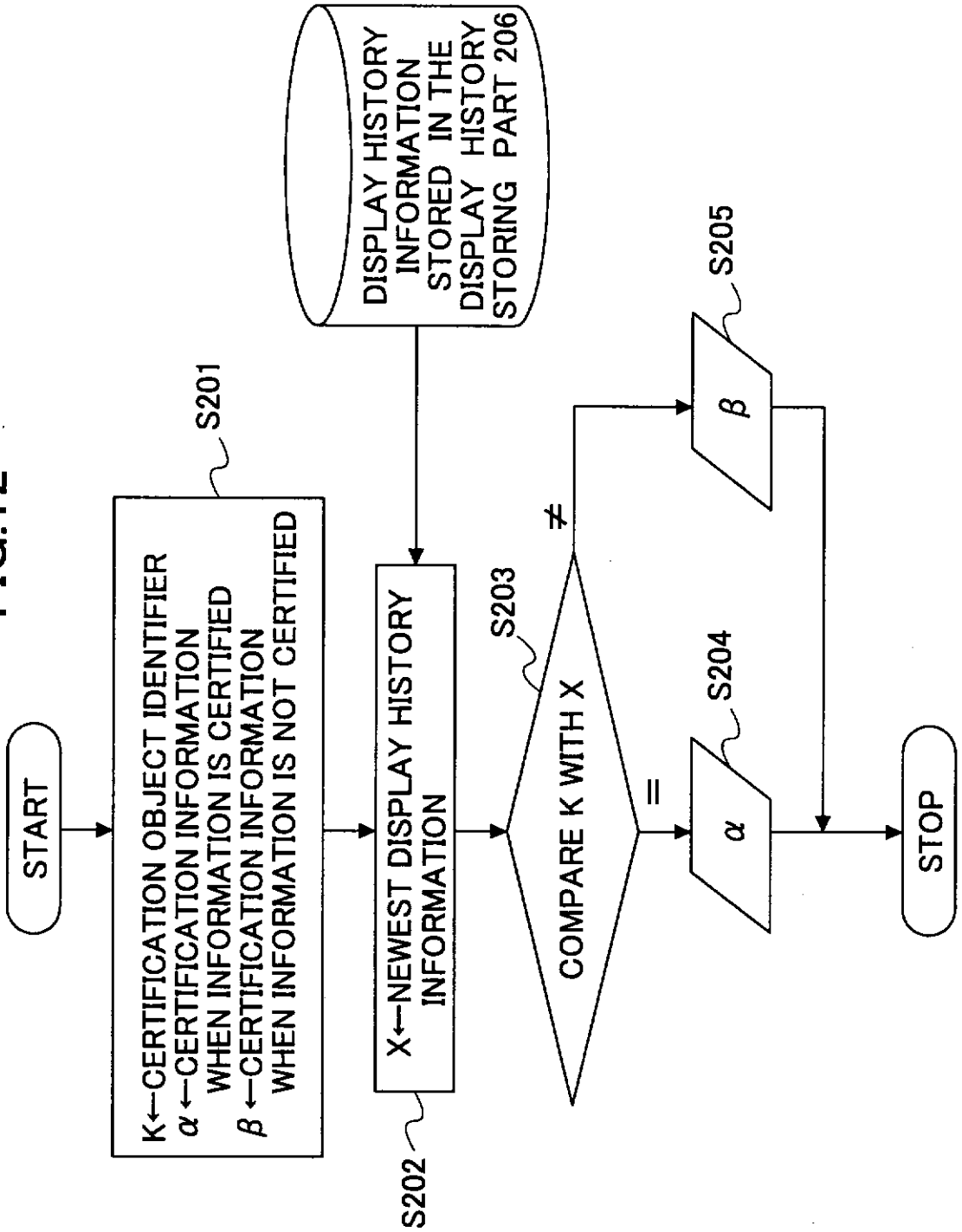

START
K←CERTIFICATION OBJECT IDENTIFIER
α←CERTIFICATION INFORMATION WHEN INFORMATION IS CERTIFIED
β←CERTIFICATION INFORMATION WHEN INFORMATION IS NOT CERTIFIED
S201
DISPLAY HISTORY INFORMATION STORED IN THE DISPLAY HISTORY STORING PART 206
X←NEWEST DISPLAY HISTORY INFORMATION
S202
COMPARE K WITH X
S203
≠
=
β
S205
α
S204
STOP

FIG.13



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FIG.14

NEW

↑

↓

OLD

ORDER	DISPLAY HISTORY INFORMATION
1	http://www.xyz.co.jp/docs/pqr.html
2	http://www.abc.co.jp/abc.html
3	http://www.cfg.com/jk/htm
⋮	⋮

FIG.15

CERTIFICATION INFORMATION
BY B ASSOCIATION
(CERTIFICATION SERVER)

A STORE IS CERTIFIED AS A MEMBER
COMPANY OF B ASSOCIATION,
AND FOLLOWING INFORMATION IS CERTIFIED

REPRESENTATIVE NAME: YAMADA TARO
ADDRESS: TOKYO TO OTA KU OOO
CONTACT ADDRESS 03-XXXX-△△△△

FIG.16

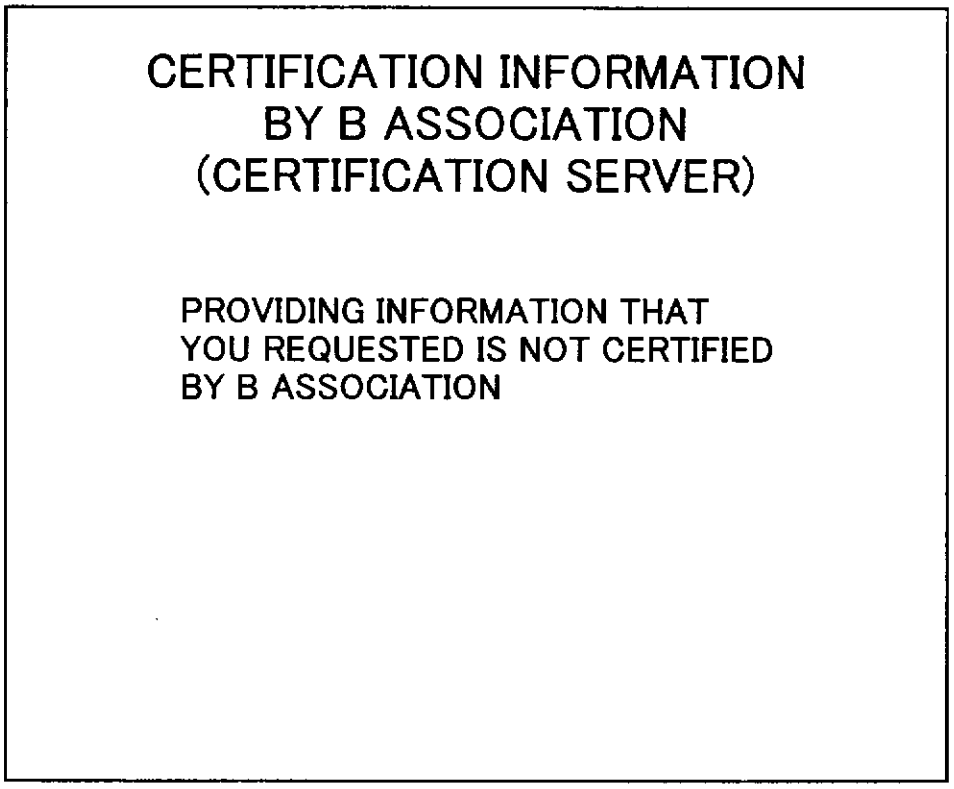

CERTIFICATION INFORMATION
BY B ASSOCIATION
(CERTIFICATION SERVER)
PROVIDING INFORMATION THAT
YOU REQUESTED IS NOT CERTIFIED
BY B ASSOCIATION

FIG.17

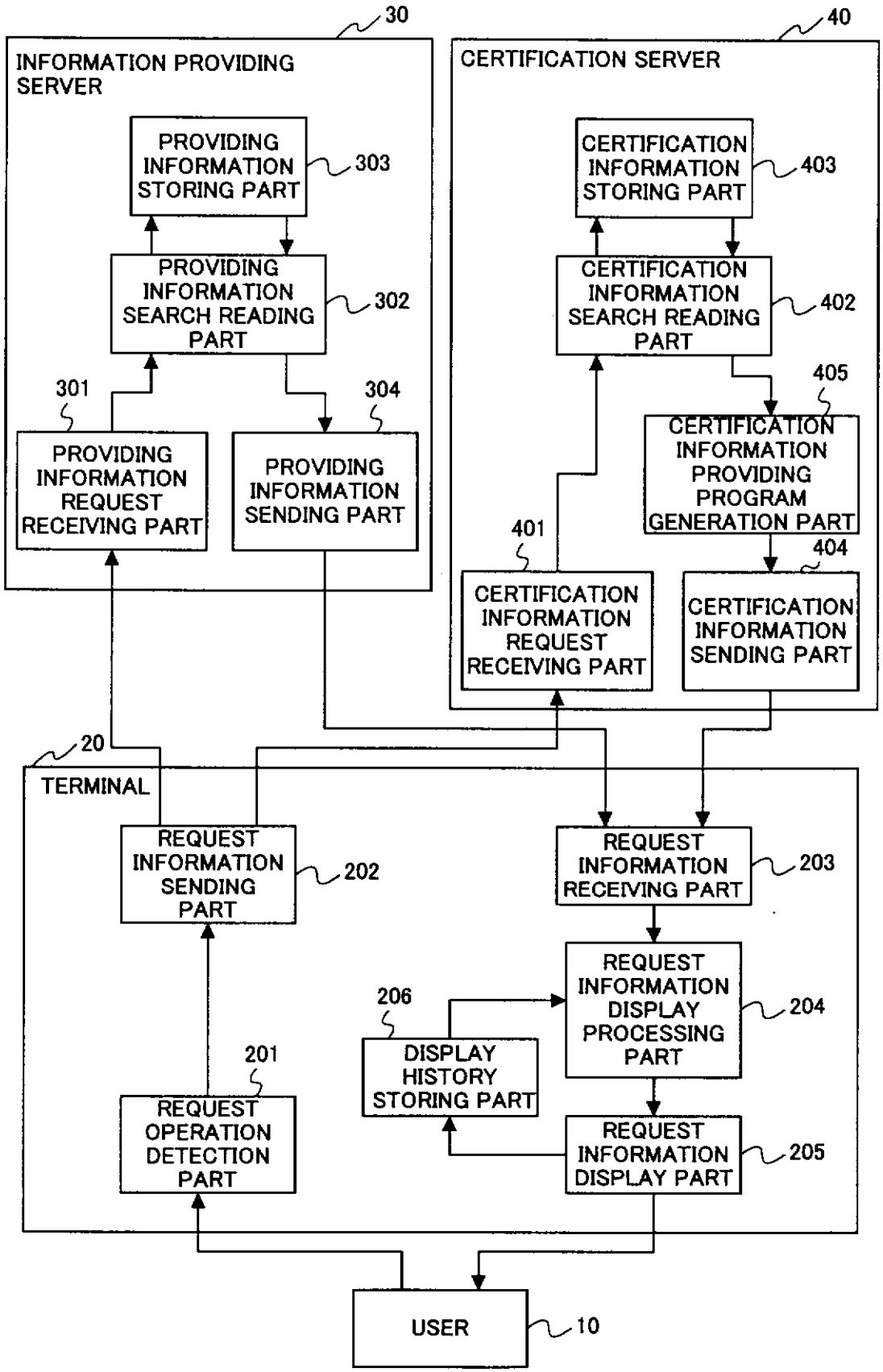

30
INFORMATION PROVIDING SERVER
PROVIDING INFORMATION STORING PART
303
PROVIDING INFORMATION SEARCH READING PART
302
301
304
PROVIDING INFORMATION REQUEST RECEIVING PART
PROVIDING INFORMATION SENDING PART
40
CERTIFICATION SERVER
CERTIFICATION INFORMATION STORING PART
403
CERTIFICATION INFORMATION SEARCH READING PART
402
405
CERTIFICATION INFORMATION PROVIDING PROGRAM GENERATION PART
401
404
CERTIFICATION INFORMATION REQUEST RECEIVING PART
CERTIFICATION INFORMATION SENDING PART
20
TERMINAL
REQUEST INFORMATION SENDING PART
202
REQUEST INFORMATION RECEIVING PART
203
206
REQUEST INFORMATION DISPLAY PROCESSING PART
204
201
DISPLAY HISTORY STORING PART
REQUEST OPERATION DETECTION PART
REQUEST INFORMATION DISPLAY PART
205
USER
10

FIG.18

CERTIFICATION OBJECT INFORMATION

LOCATION OF CERTIFICATION INFORMATION	CERTIFICATION OBJECT IDENTIFIER	STORE NAME	REPRESENTATIVE NAME	ADDRESS	CONTACT ADDRESS
0324254	.....	.....	.....	.....	.....
⋮	⋮	⋮	⋮	⋮	⋮
0392654	http://www.xyz.co.jp/docs/pqr.html	E STORE	YAMADA HANAKO	TOKYO TO MINATO KU ●●●	03-■■■■-▲▲▲▲
⋮	⋮	⋮	⋮	⋮	⋮

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FIG.19

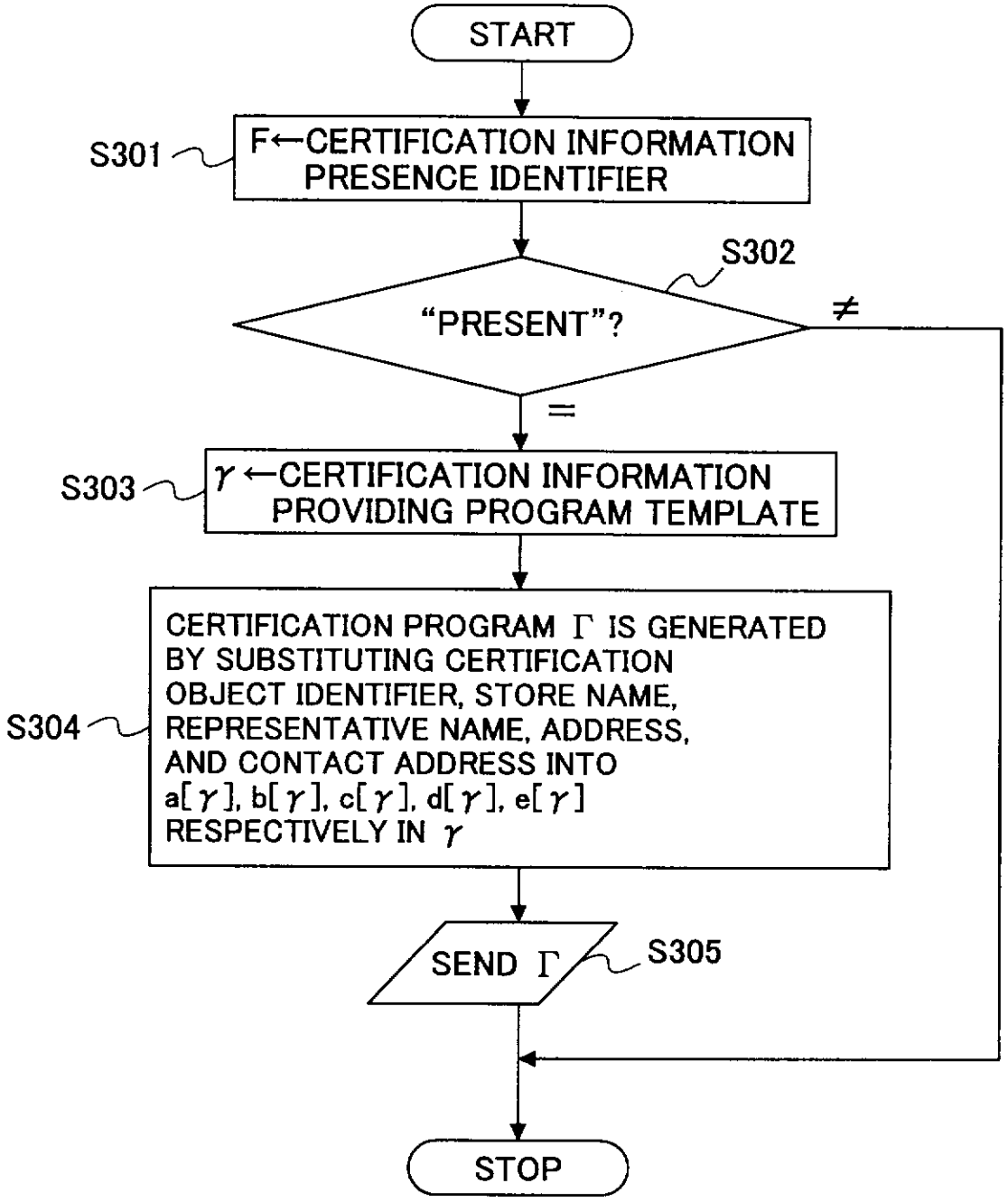

START
S301
F←CERTIFICATION INFORMATION PRESENCE IDENTIFIER
S302
"PRESENT"?
≠
=
S303
γ←CERTIFICATION INFORMATION PROVIDING PROGRAM TEMPLATE
S304
CERTIFICATION PROGRAM Γ IS GENERATED BY SUBSTITUTING CERTIFICATION OBJECT IDENTIFIER, STORE NAME, REPRESENTATIVE NAME, ADDRESS, AND CONTACT ADDRESS INTO a[γ], b[γ], c[γ], d[γ], e[γ] RESPECTIVELY IN γ
SEND Γ
S305
STOP

FIG.20

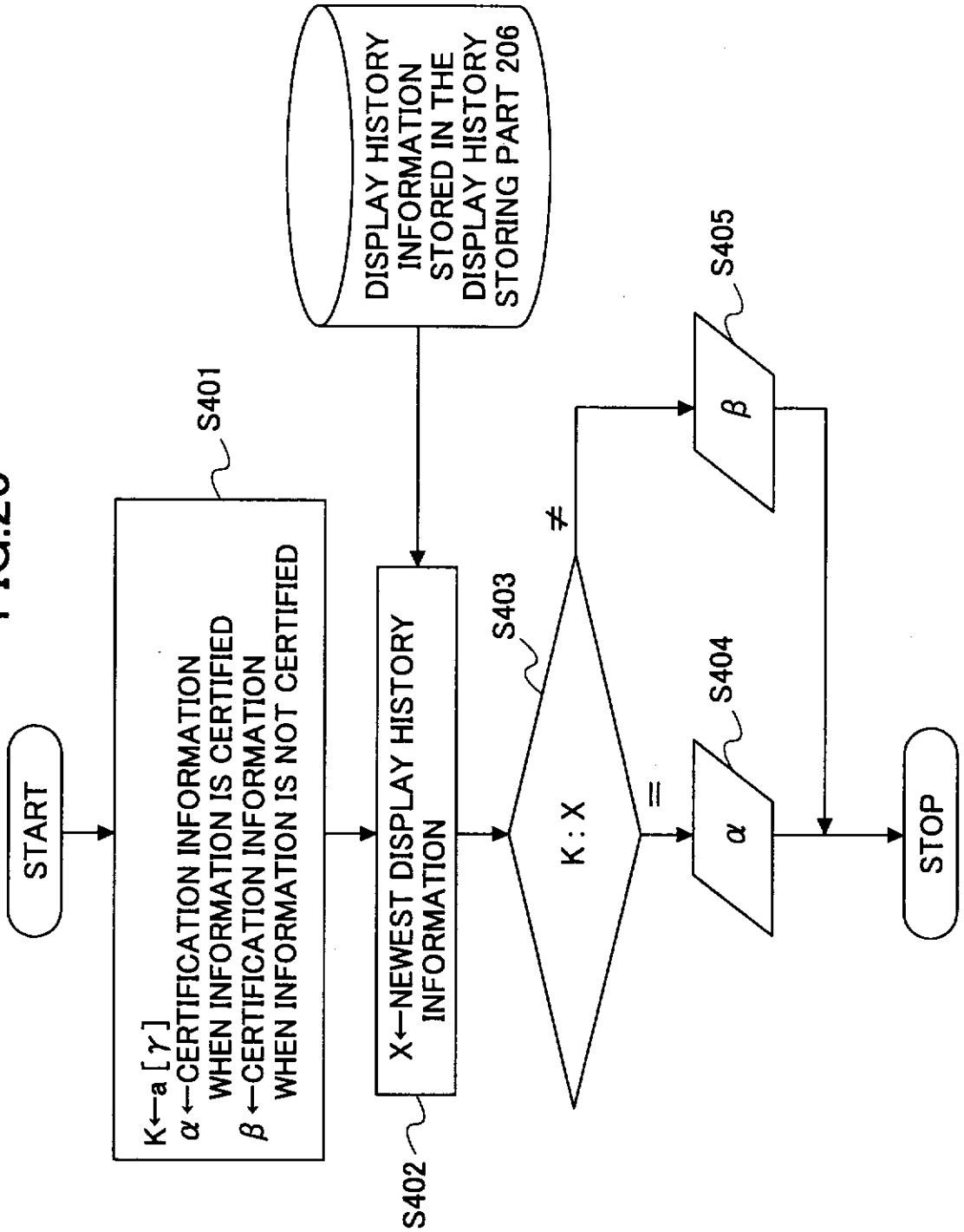

START
S401
K←a [γ]
α←CERTIFICATION INFORMATION WHEN INFORMATION IS CERTIFIED
β←CERTIFICATION INFORMATION WHEN INFORMATION IS NOT CERTIFIED
S402
X←NEWEST DISPLAY HISTORY INFORMATION
DISPLAY HISTORY INFORMATION STORED IN THE DISPLAY HISTORY STORING PART 206
S403
K : X
≠
=
S404
α
S405
β
STOP

FIG.21

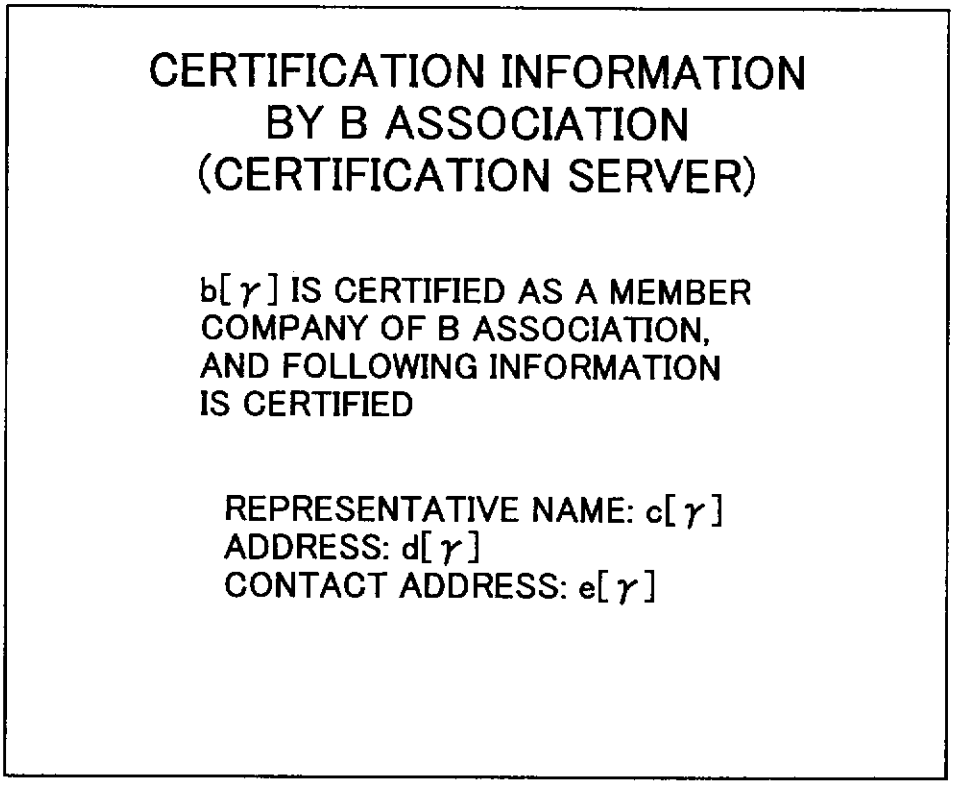

CERTIFICATION INFORMATION
BY B ASSOCIATION
(CERTIFICATION SERVER)
b[γ] IS CERTIFIED AS A MEMBER
COMPANY OF B ASSOCIATION,
AND FOLLOWING INFORMATION
IS CERTIFIED
REPRESENTATIVE NAME: c[γ]
ADDRESS: d[γ]
CONTACT ADDRESS: e[γ]

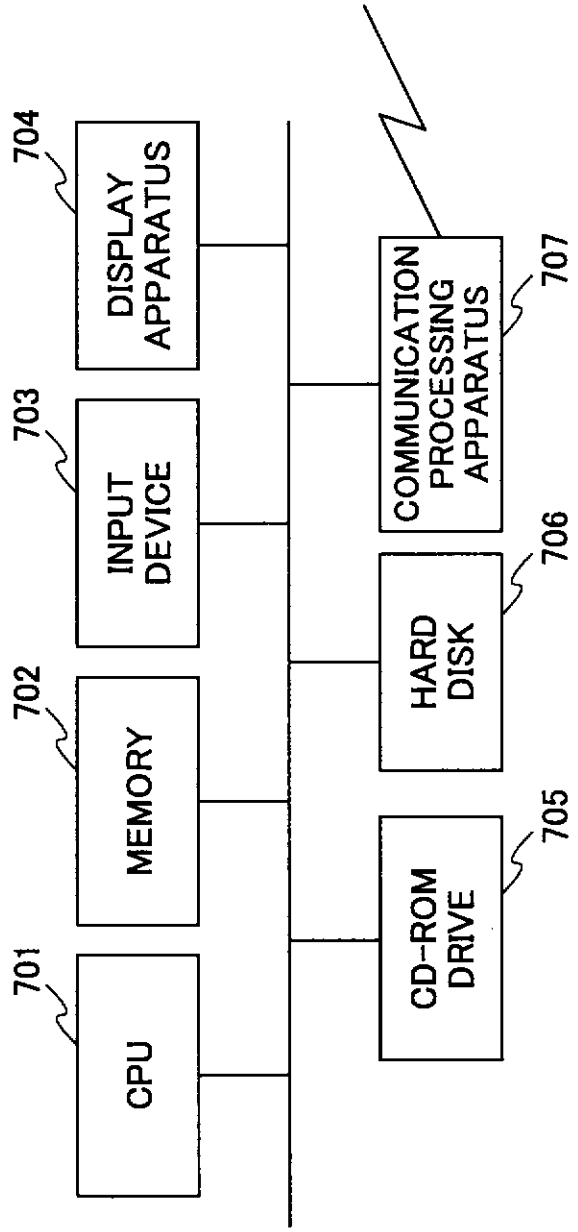
FIG.22

CERTIFICATION INFORMATION
BY B ASSOCIATION
(CERTIFICATION SERVER)

E STORE IS CERTIFIED AS A MEMBER
COMPANY OF B ASSOCIATION,
AND FOLLOWING INFORMATION
IS CERTIFIED

REPRESENTATIVE NAME: YAMADA HANAKO
ADDRESS: TOKYO TO MINATO KU ●●●
CONTACT ADDRESS 03-◆◆◆◆-▲▲▲▲

FIG.23


701
CPU
702
MEMORY
703
INPUT DEVICE
704
DISPLAY APPARATUS
705
CD-ROM DRIVE
706
HARD DISK
707
COMMUNICATION PROCESSING APPARATUS