FIG. 1

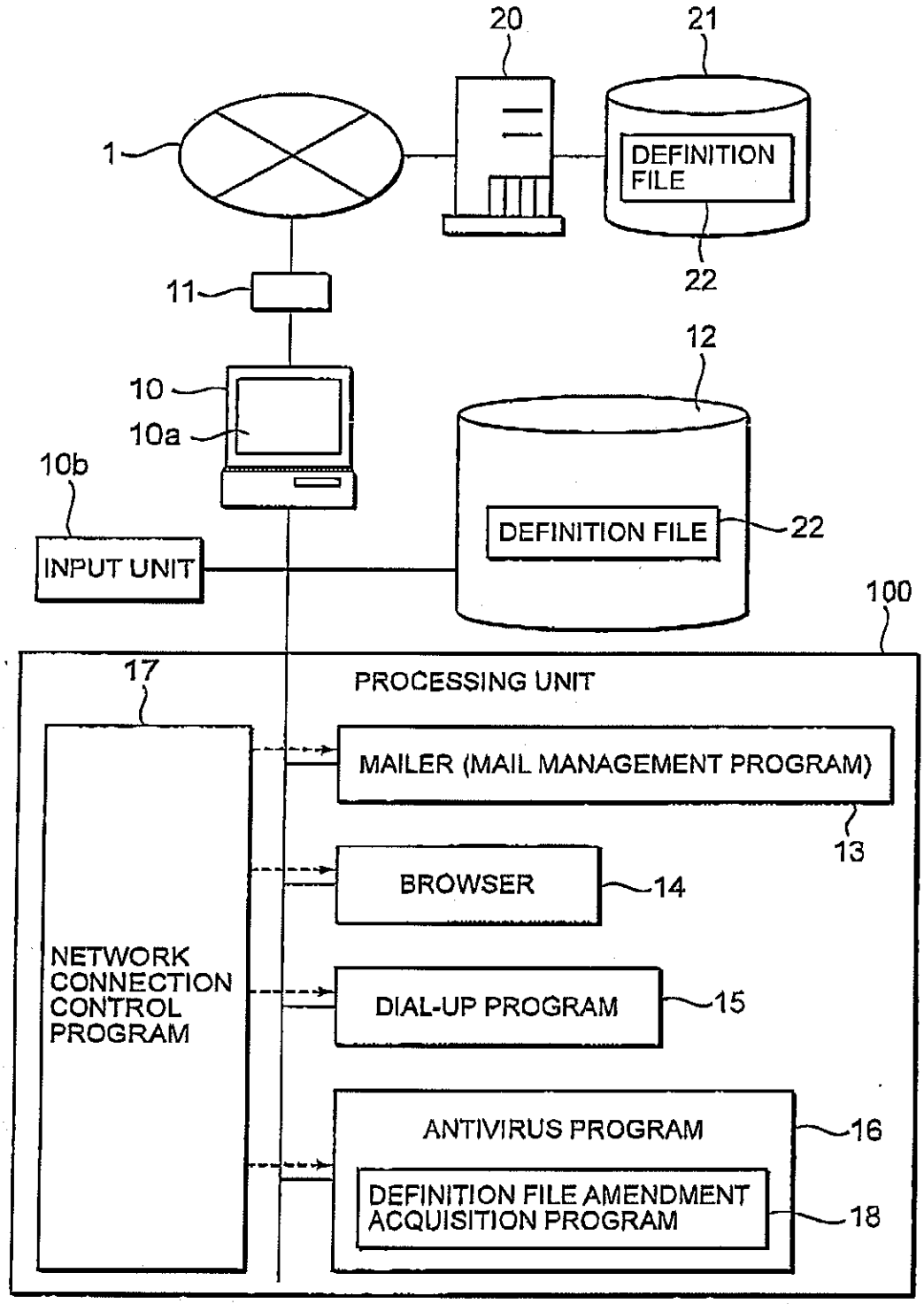

20
21
1
DEFINITION FILE
22
11
12
10
10a
10b
DEFINITION FILE
22
INPUT UNIT
100
17
PROCESSING UNIT
MAILER (MAIL MANAGEMENT PROGRAM)
13
BROWSER
14
NETWORK CONNECTION CONTROL PROGRAM
DIAL-UP PROGRAM
15
ANTIVIRUS PROGRAM
16
DEFINITION FILE AMENDMENT ACQUISITION PROGRAM
18

FIG. 2

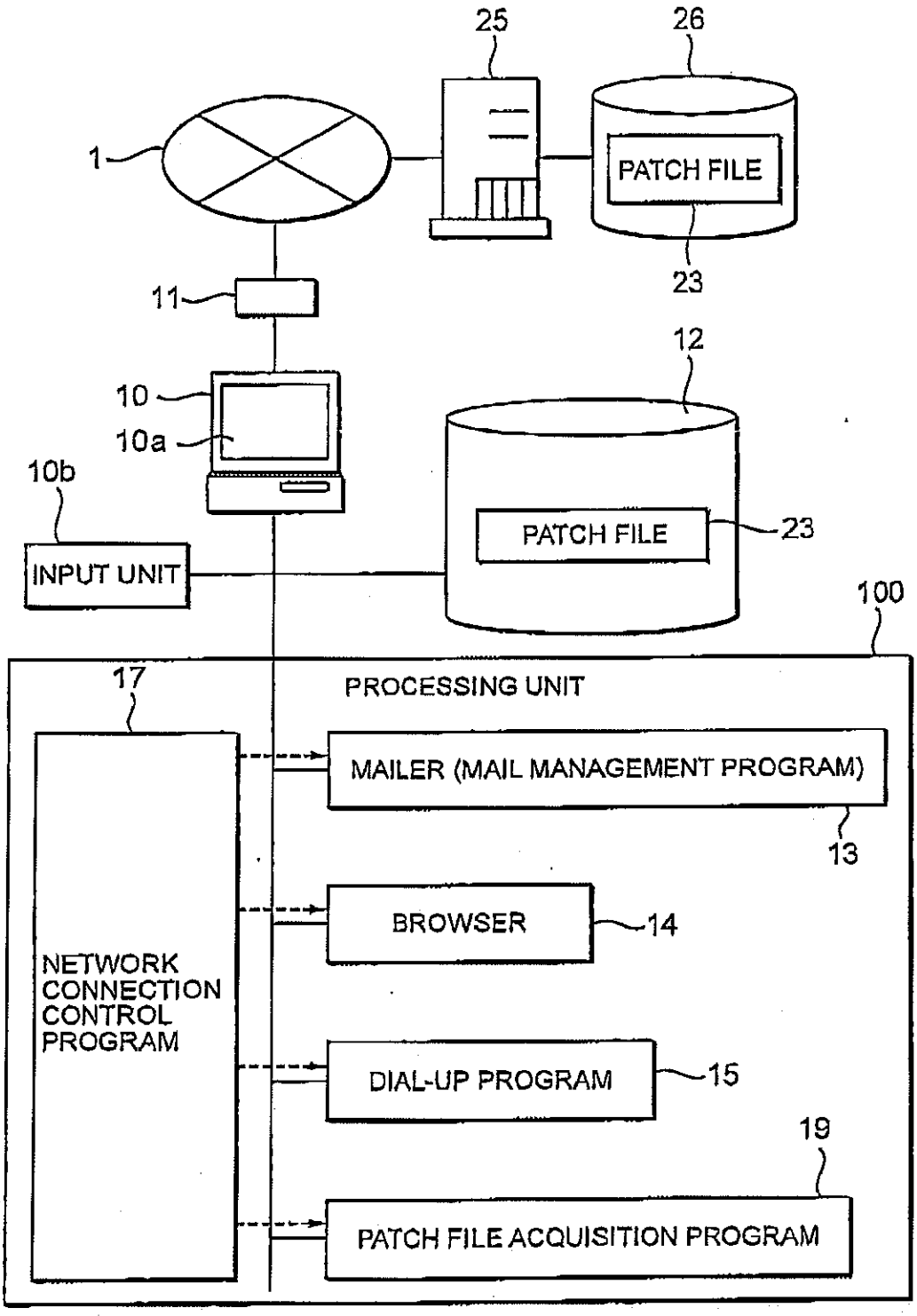

25
26
1
PATCH FILE
23
11
12
10
10a
10b
PATCH FILE
23
INPUT UNIT
100
17
PROCESSING UNIT
MAILER (MAIL MANAGEMENT PROGRAM)
13
BROWSER
14
NETWORK CONNECTION CONTROL PROGRAM
DIAL-UP PROGRAM
15
19
PATCH FILE ACQUISITION PROGRAM

FIG. 3

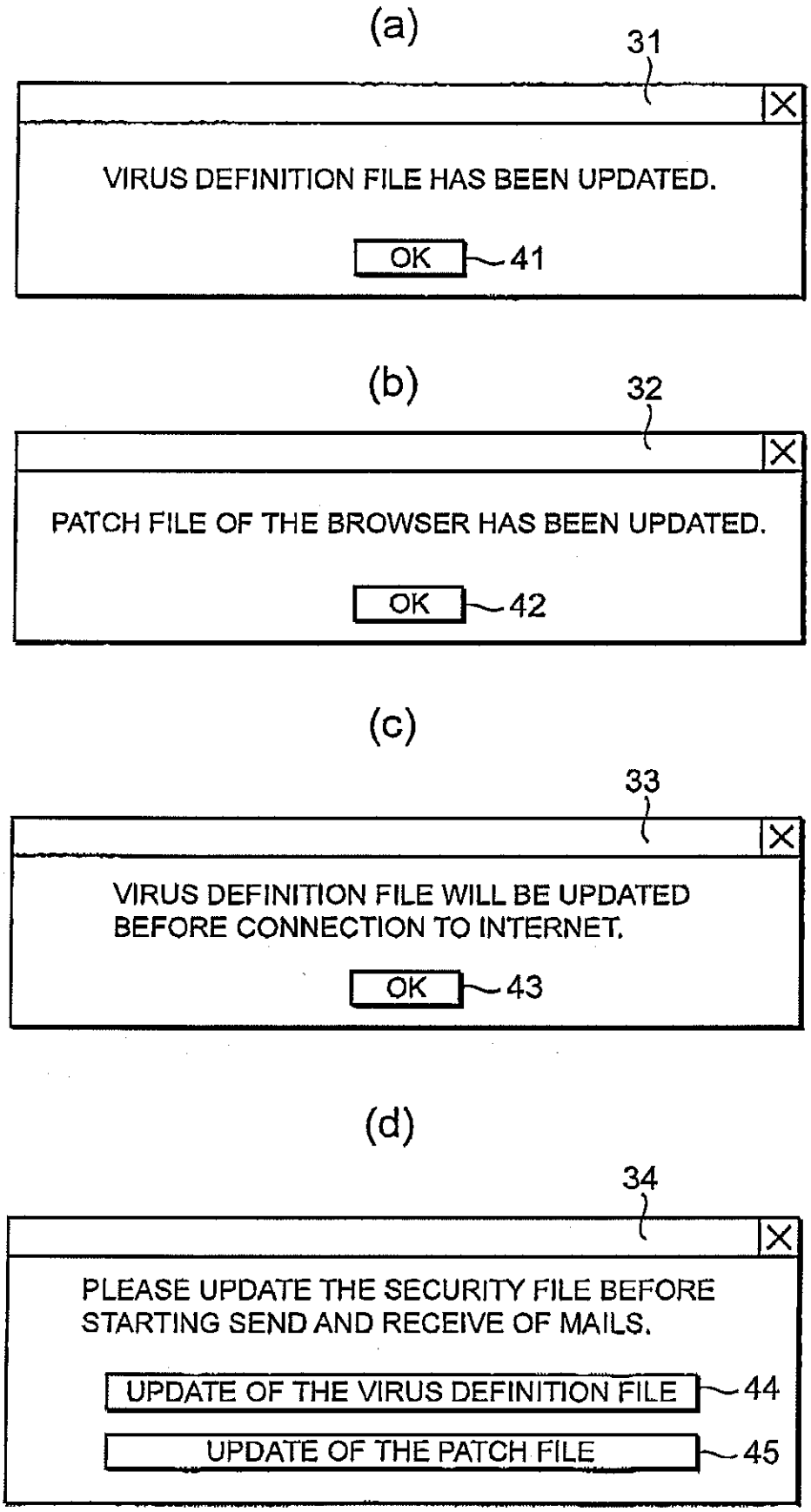

(a)
31
VIRUS DEFINITION FILE HAS BEEN UPDATED.
OK
41
(b)
32
PATCH FILE OF THE BROWSER HAS BEEN UPDATED.
OK
42
(c)
33
VIRUS DEFINITION FILE WILL BE UPDATED
BEFORE CONNECTION TO INTERNET.
OK
43
(d)
34
PLEASE UPDATE THE SECURITY FILE BEFORE
STARTING SEND AND RECEIVE OF MAILS.
UPDATE OF THE VIRUS DEFINITION FILE
44
UPDATE OF THE PATCH FILE
45

FIG. 4

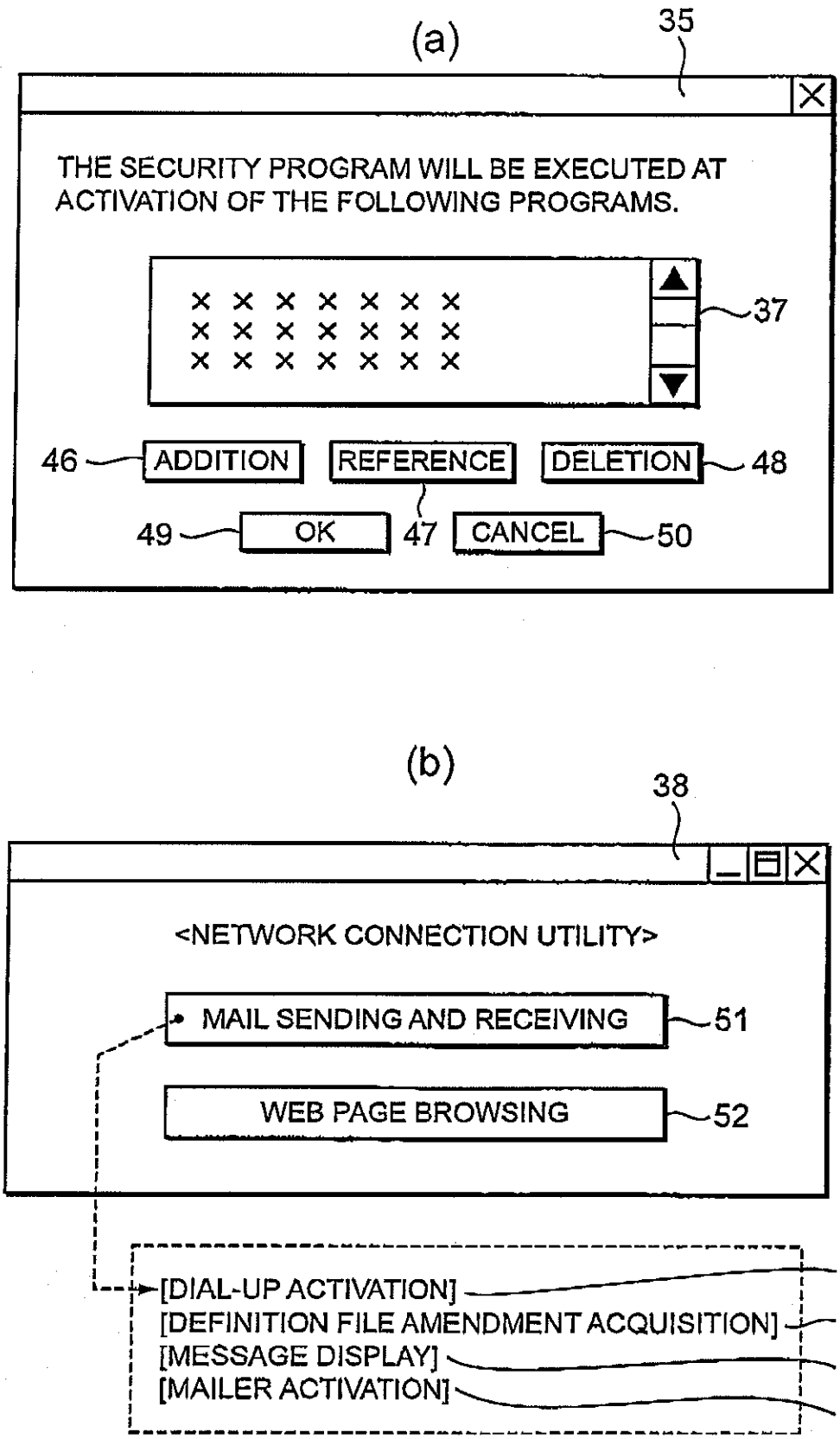
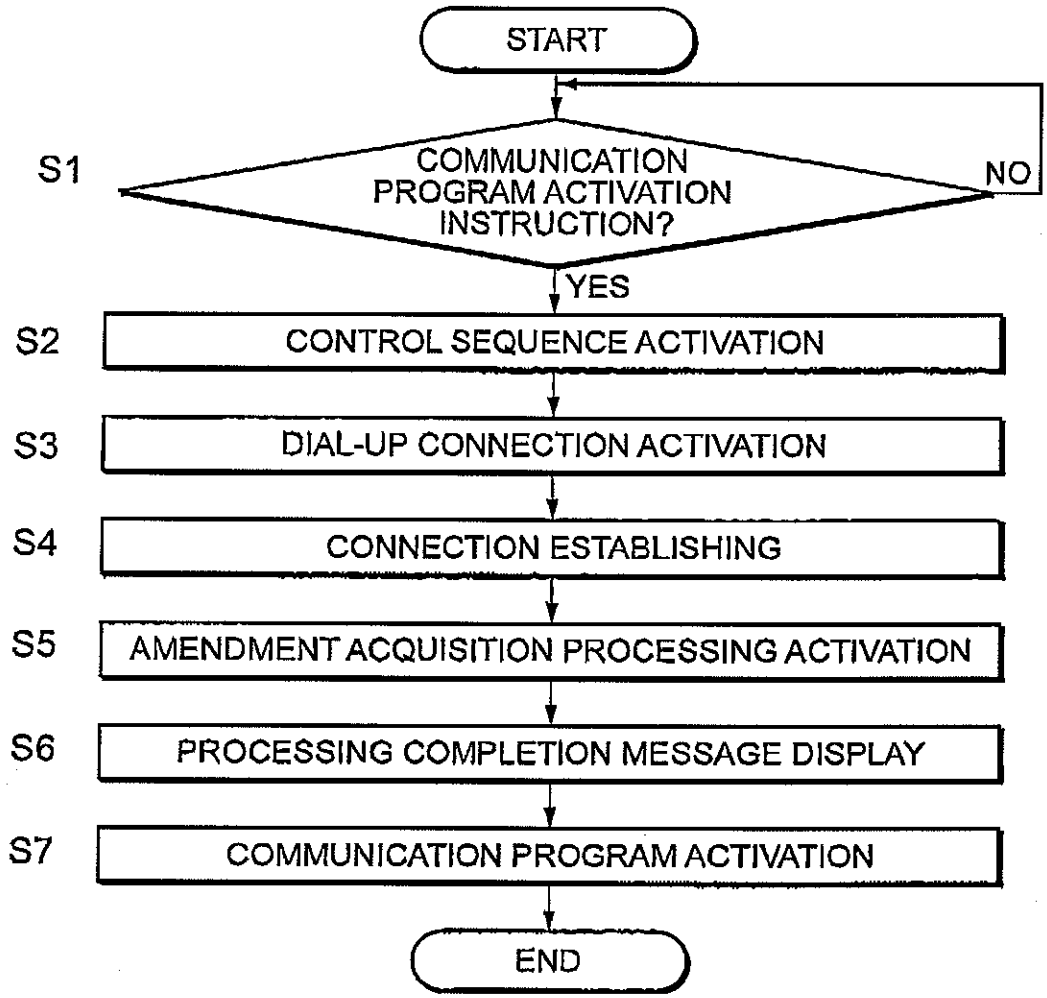

(a)
35
THE SECURITY PROGRAM WILL BE EXECUTED AT ACTIVATION OF THE FOLLOWING PROGRAMS.
37
46
ADDITION
REFERENCE
DELETION
48
49
OK
47
CANCEL
50
(b)
38
<NETWORK CONNECTION UTILITY>
MAIL SENDING AND RECEIVING
51
WEB PAGE BROWSING
52
[DIAL-UP ACTIVATION]
511
[DEFINITION FILE AMENDMENT ACQUISITION]
512
[MESSAGE DISPLAY]
513
[MAILER ACTIVATION]
514

FIG. 5

(a)


START
S1
COMMUNICATION PROGRAM ACTIVATION INSTRUCTION?
NO
YES
S2
CONTROL SEQUENCE ACTIVATION
S3
DIAL-UP CONNECTION ACTIVATION
S4
CONNECTION ESTABLISHING
S5
AMENDMENT ACQUISITION PROCESSING ACTIVATION
S6
PROCESSING COMPLETION MESSAGE DISPLAY
S7
COMMUNICATION PROGRAM ACTIVATION
END

(b)

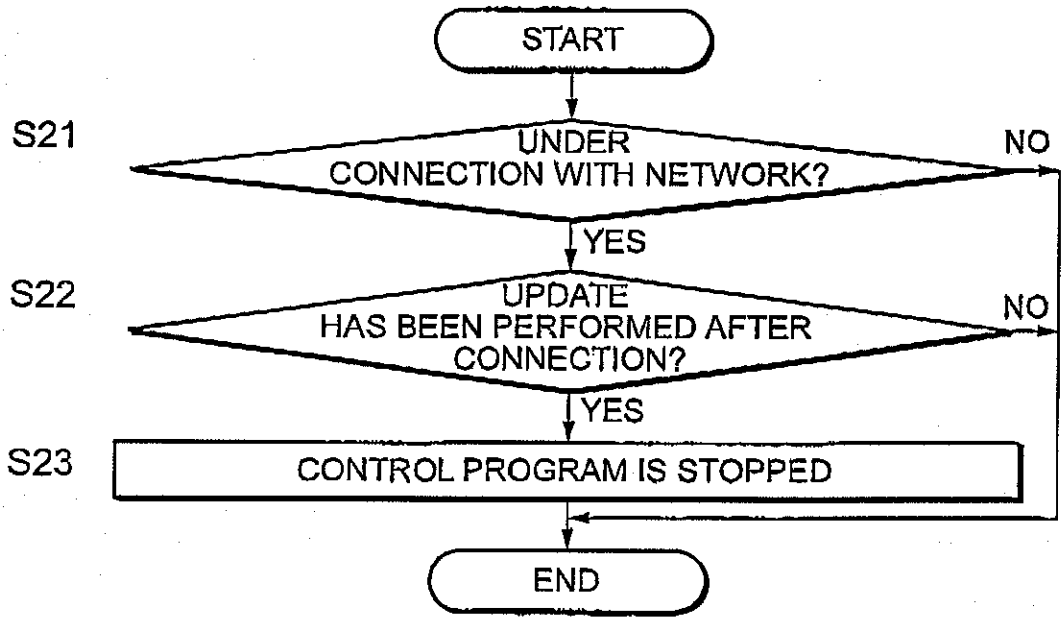
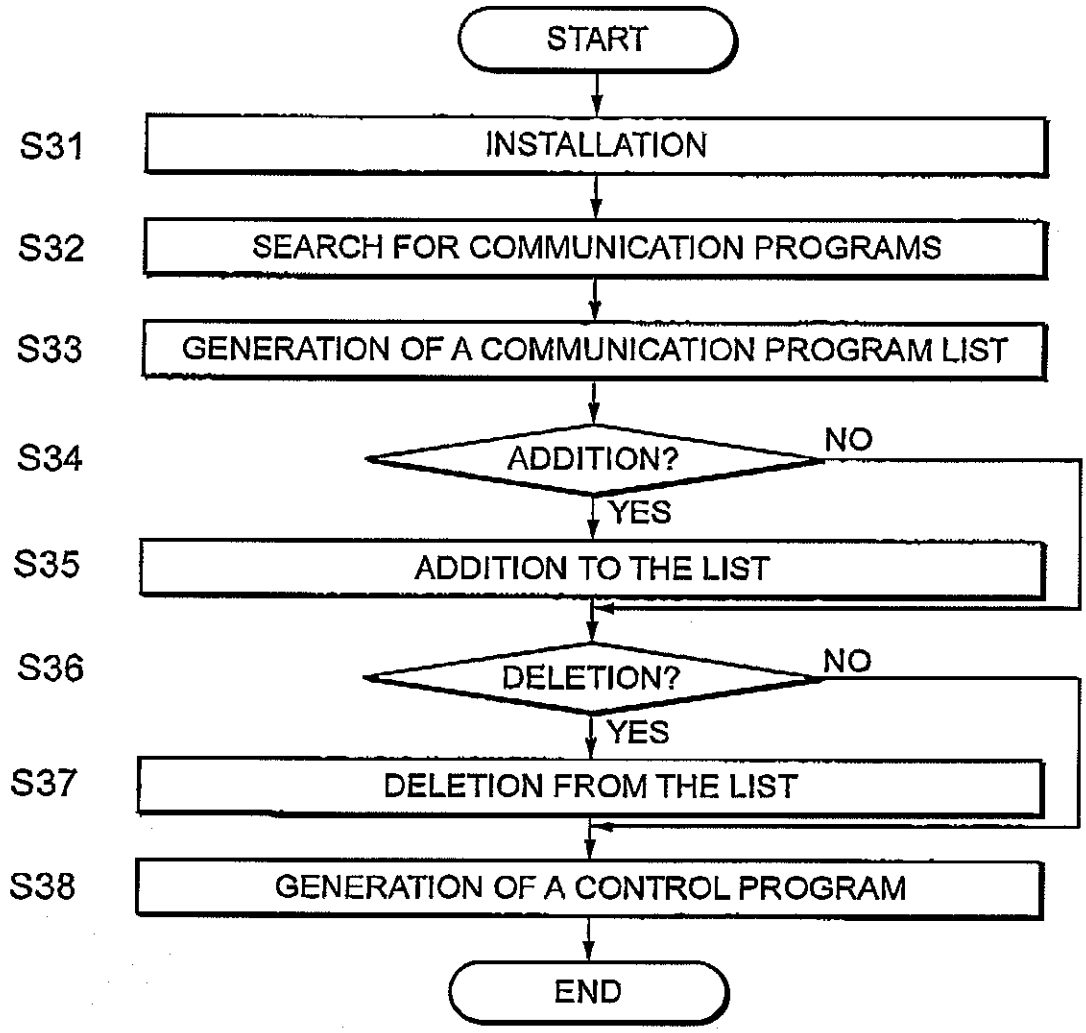

START
S21
UNDER CONNECTION WITH NETWORK?
NO
YES
S22
UPDATE HAS BEEN PERFORMED AFTER CONNECTION?
NO
YES
S23
CONTROL PROGRAM IS STOPPED
END

FIG. 6

(a)


START
S31
INSTALLATION
S32
SEARCH FOR COMMUNICATION PROGRAMS
S33
GENERATION OF A COMMUNICATION PROGRAM LIST
S34
ADDITION?
NO
YES
S35
ADDITION TO THE LIST
S36
DELETION?
NO
YES
S37
DELETION FROM THE LIST
S38
GENERATION OF A CONTROL PROGRAM
END

(b)

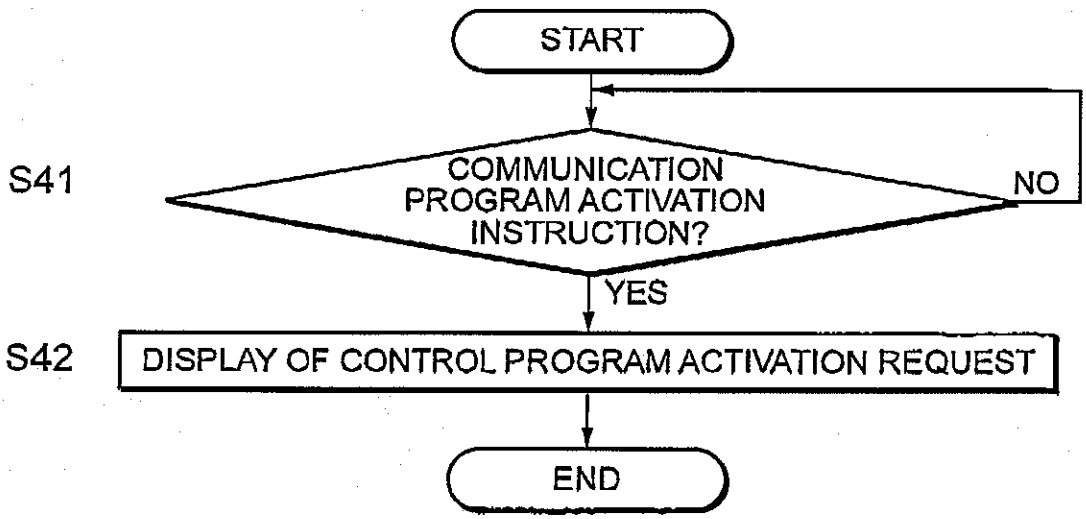

START
S41
COMMUNICATION PROGRAM ACTIVATION INSTRUCTION?
NO
YES
S42
DISPLAY OF CONTROL PROGRAM ACTIVATION REQUEST
END

FIG. 7

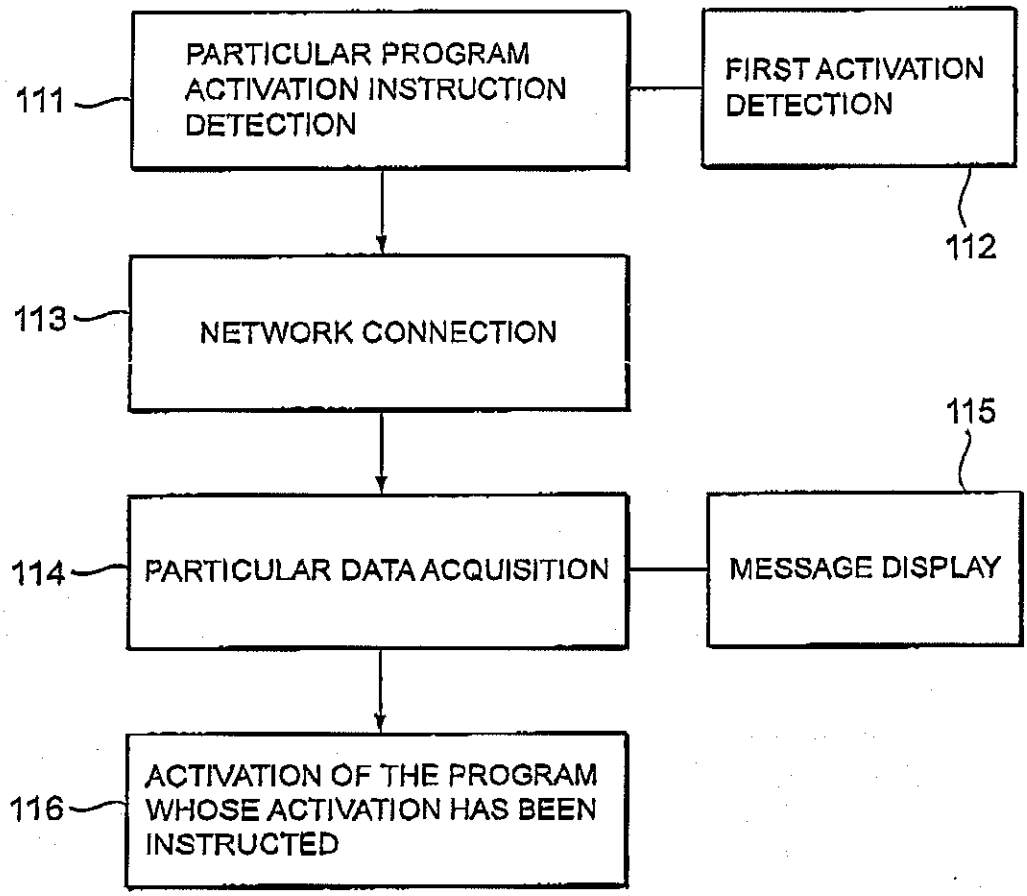
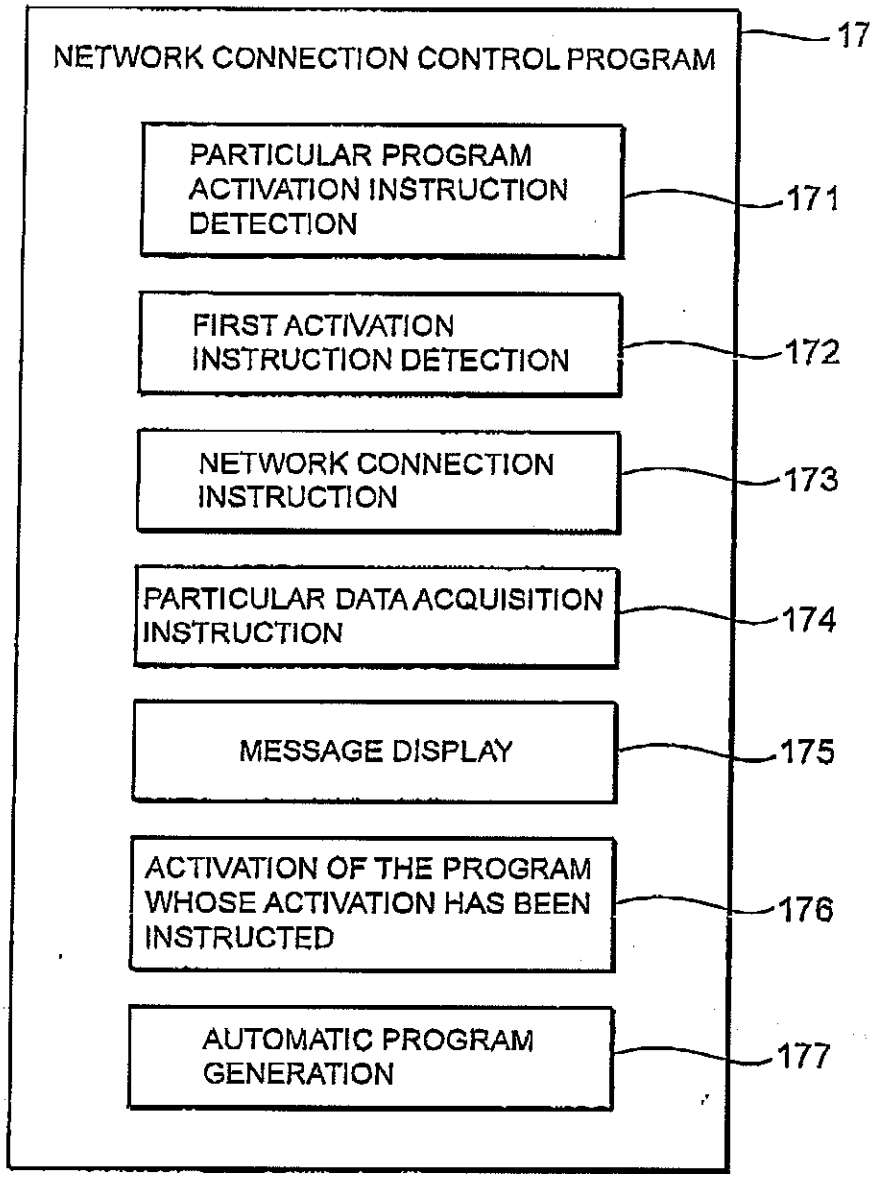

111
PARTICULAR PROGRAM ACTIVATION INSTRUCTION DETECTION
FIRST ACTIVATION DETECTION
112
113
NETWORK CONNECTION
115
114
PARTICULAR DATA ACQUISITION
MESSAGE DISPLAY
116
ACTIVATION OF THE PROGRAM WHOSE ACTIVATION HAS BEEN INSTRUCTED

FIG. 8


NETWORK CONNECTION CONTROL PROGRAM
17
PARTICULAR PROGRAM ACTIVATION INSTRUCTION DETECTION
171
FIRST ACTIVATION INSTRUCTION DETECTION
172
NETWORK CONNECTION INSTRUCTION
173
PARTICULAR DATA ACQUISITION INSTRUCTION
174
MESSAGE DISPLAY
175
ACTIVATION OF THE PROGRAM WHOSE ACTIVATION HAS BEEN INSTRUCTED
176
AUTOMATIC PROGRAM GENERATION
177