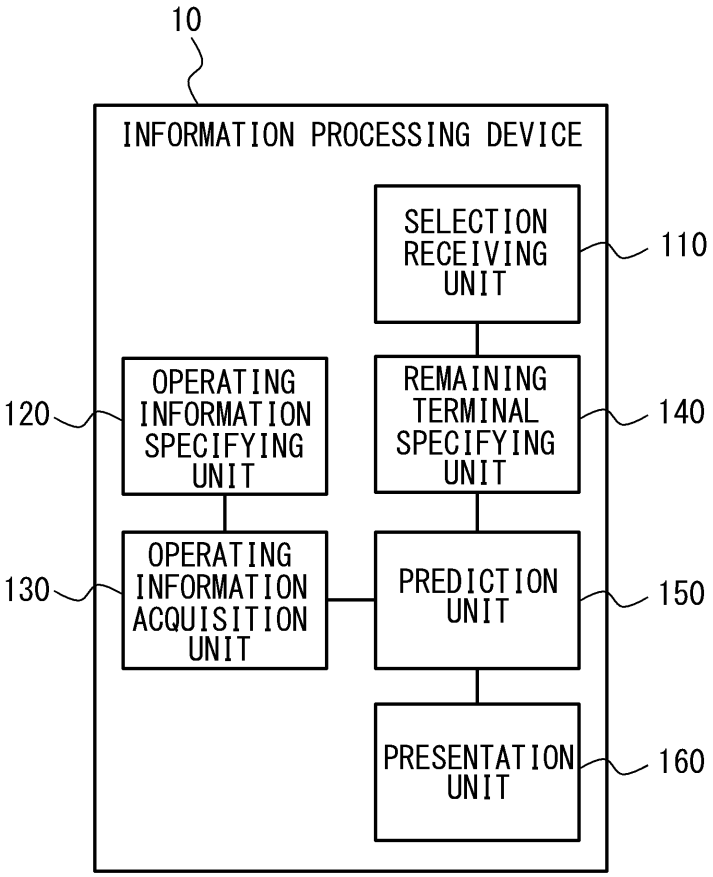
10
INFORMATION PROCESSING DEVICE
SELECTION RECEIVING UNIT
110
OPERATING INFORMATION SPECIFYING UNIT
120
REMAINING TERMINAL SPECIFYING UNIT
140
OPERATING INFORMATION ACQUISITION UNIT
130
PREDICTION UNIT
150
PRESENTATION UNIT
160

Fig. 1

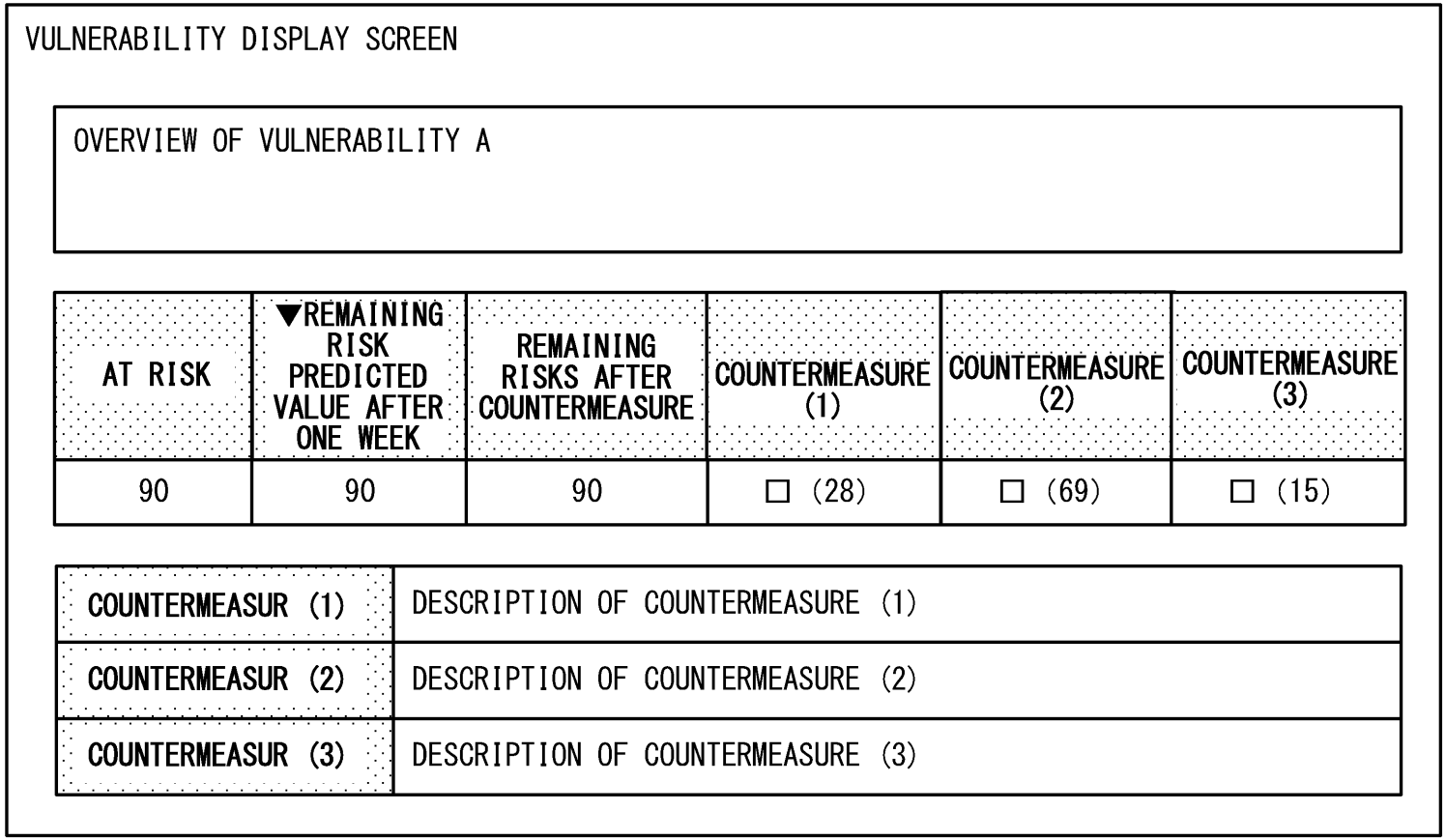
VULNERABILITY DISPLAY SCREEN
OVERVIEW OF VULNERABILITY A
AT RISK
▼REMAINING RISK PREDICTED VALUE AFTER ONE WEEK
REMAINING RISKS AFTER COUNTERMEASURE
COUNTERMEASURE (1)
COUNTERMEASURE (2)
COUNTERMEASURE (3)
90
90
90
☐ (28)
☐ (69)
☐ (15)
COUNTERMEASUR (1)
DESCRIPTION OF COUNTERMEASURE (1)
COUNTERMEASUR (2)
DESCRIPTION OF COUNTERMEASURE (2)
COUNTERMEASUR (3)
DESCRIPTION OF COUNTERMEASURE (3)

Fig. 2

TERMINAL IDENTIFICATION INFORMATION	APPLICABLE COUNTERMEASURE
TERMINAL A	COUNTERMEASURE (1) , COUNTERMEASURE (3)
TERMINAL B	COUNTERMEASURE (2)
TERMINAL C	COUNTERMEASURE (3)
:	:

Fig. 3

SECURITY RISK	COUNTERMEASURE	TYPE OF OPERATING INFORMATION
VULNERABILITY A	<COUNTERMEASURE (1)> APPLY PATCH AAAA AND RESTART	PATCH APPLICATION HISTORY
		RESTART HISTORY
		CONTINUOUS OPERATING TIME
	<COUNTERMEASURE (2)> STOP PROCESS ZZZZ	OPERATING HISTORY OF PROCESS ZZZZ
	<COUNTERMEASURE (3)> BLOCK PORT 1027	USAGE HISTORY OF PORT 1027
:	:	:

Fig. 4

TERMINAL TO BE MANAGED	APPLICABLE COUNTERMEASURE	OPERATING INFORMATION	
TERMINAL A	COUNTERMEASURE (1)	PATCH APPLICATION HISTORY	2015/5/7 (THU) 9:51 APPLY PATCH BBBB 2015/5/21 (THU) 9:46 APPLY PATCH CCCC
		RESTART HISTORY	2015/5/7 (THU) 10:00 2015/5/14 (THU) 10:00 2015/5/21 (THU) 10:00
		CONTINUOUS OPERATING TIME	9060 MINUTES
	COUNTERMEASURE (3)	USAGE HISTORY OF PORT 1027	2015/5/25 (MON) 13:25 192.168.1.27 2015/5/26 (TUE) 9:21 192.168.1.185
TERMINAL B	COUNTERMEASURE (2)	OPERATING HISTORY OF PROCESS ZZZZ	2015/5/26 (TUE) 14:36 START 2015/5/26 (TUE) 14:39 STOP
:	:	:	:

Fig. 5

AFTER IMMEDIATE EXECUTION	NEXT DAY	AFTER ONE WEEK	AFTER ONE MONTH	AFTER THREE MONTHS
22	13	6	2	0

Fig. 6

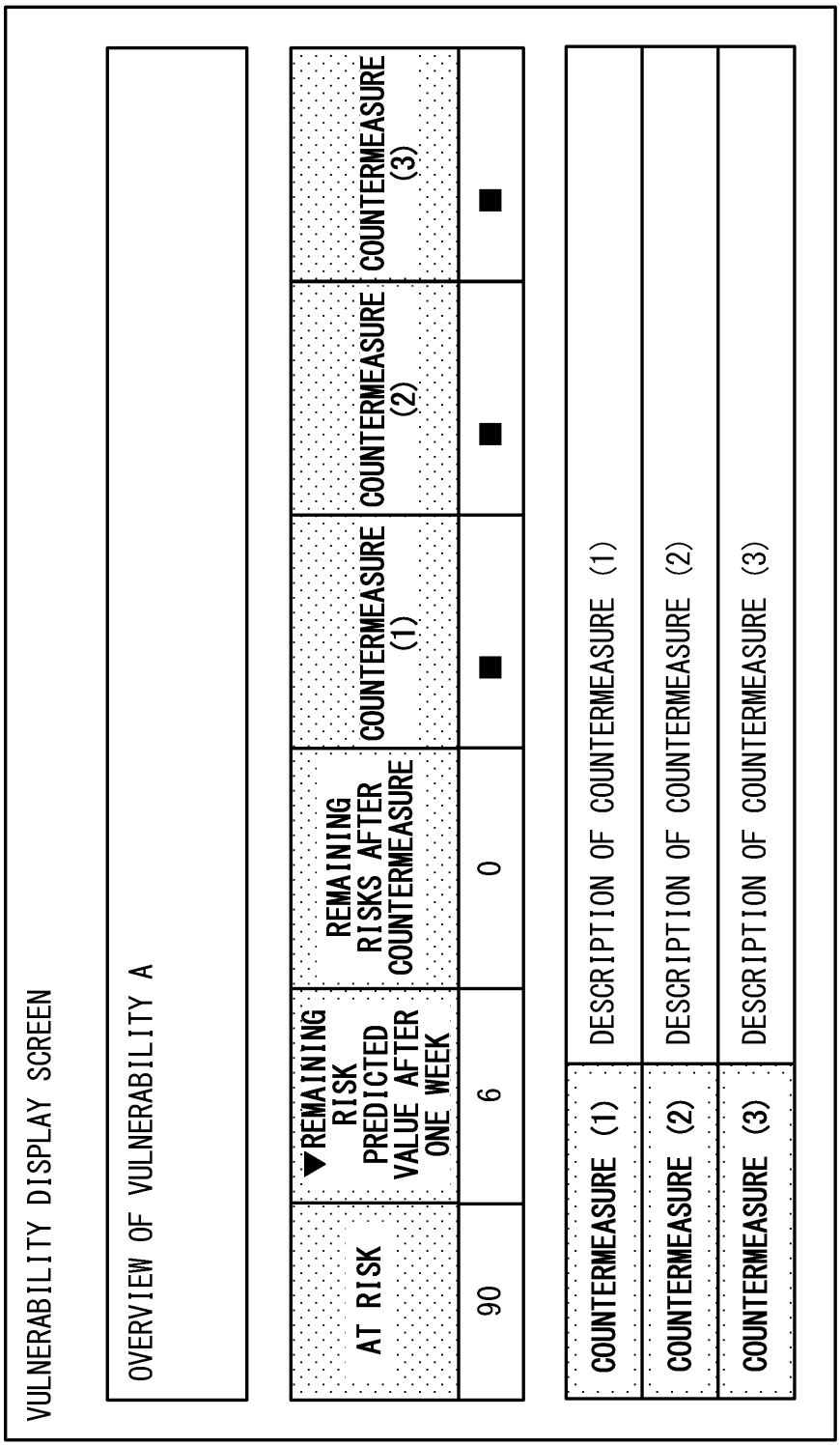
VULNERABILITY DISPLAY SCREEN
OVERVIEW OF VULNERABILITY A
AT RISK
▼REMAINING RISK PREDICTED VALUE AFTER ONE WEEK
REMAINING RISKS AFTER COUNTERMEASURE
COUNTERMEASURE (1)
COUNTERMEASURE (2)
COUNTERMEASURE (3)
90
6
0
■
■
■
COUNTERMEASURE (1)
DESCRIPTION OF COUNTERMEASURE (1)
COUNTERMEASURE (2)
DESCRIPTION OF COUNTERMEASURE (2)
COUNTERMEASURE (3)
DESCRIPTION OF COUNTERMEASURE (3)

Fig. 7

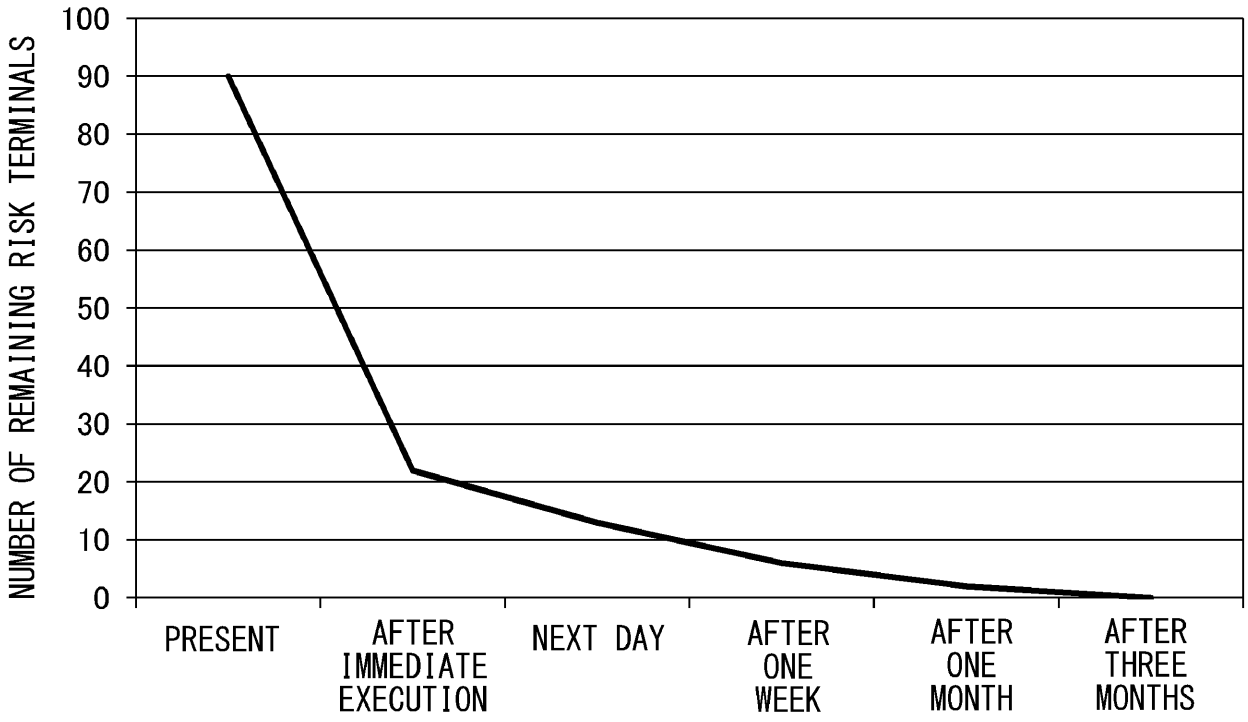
NUMBER OF REMAINING RISK TERMINALS
100
90
80
70
60
50
40
30
20
10
0
PRESENT
AFTER IMMEDIATE EXECUTION
NEXT DAY
AFTER ONE WEEK
AFTER ONE MONTH
AFTER THREE MONTHS

Fig. 8

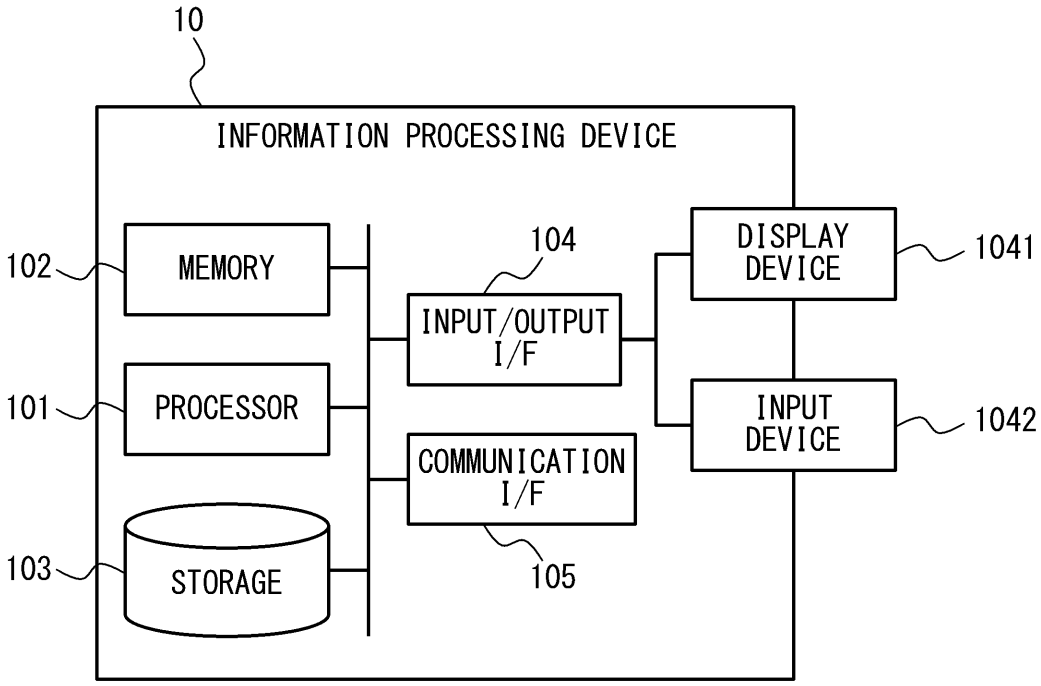
10
INFORMATION PROCESSING DEVICE
102
MEMORY
101
PROCESSOR
103
STORAGE
104
INPUT/OUTPUT I/F
COMMUNICATION I/F
105
DISPLAY DEVICE
1041
INPUT DEVICE
1042

Fig. 9

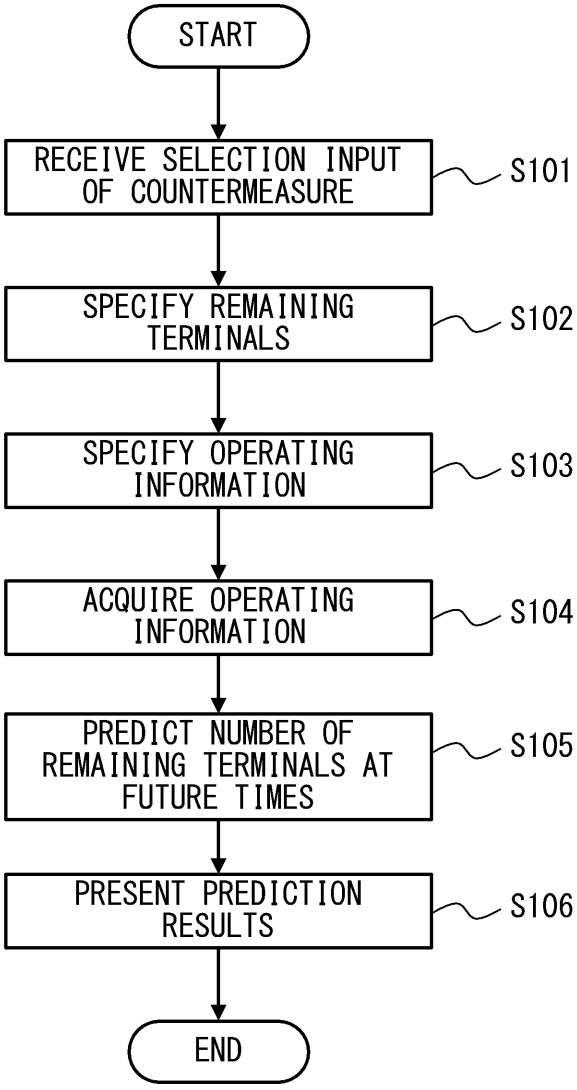
START
RECEIVE SELECTION INPUT OF COUNTERMEASURE
S101
SPECIFY REMAINING TERMINALS
S102
SPECIFY OPERATING INFORMATION
S103
ACQUIRE OPERATING INFORMATION
S104
PREDICT NUMBER OF REMAINING TERMINALS AT FUTURE TIMES
S105
PRESENT PREDICTION RESULTS
S106
END

Fig. 10

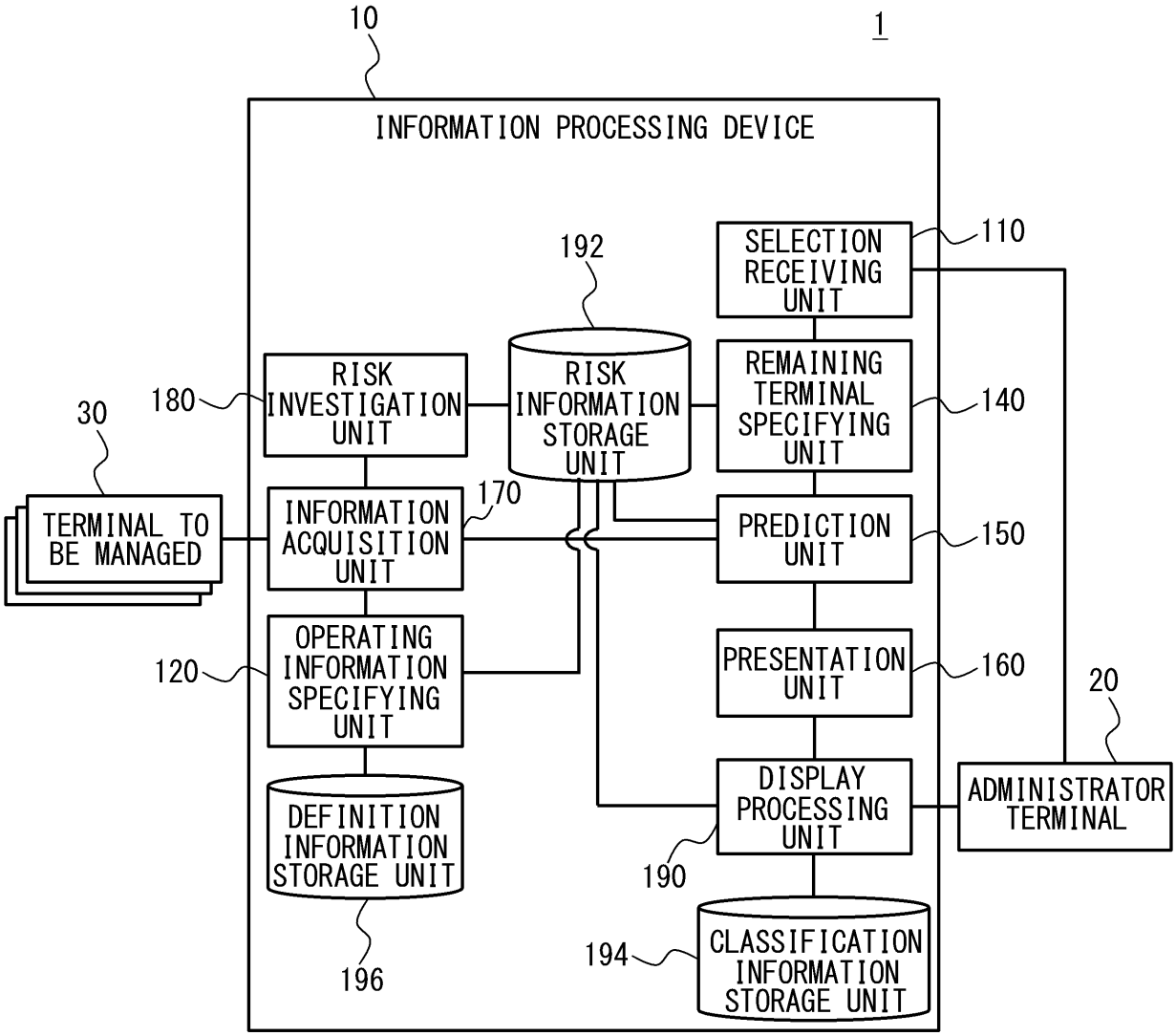
10
1
INFORMATION PROCESSING DEVICE
SELECTION RECEIVING UNIT
110
192
RISK INFORMATION STORAGE UNIT
REMAINING TERMINAL SPECIFYING UNIT
140
180
RISK INVESTIGATION UNIT
30
TERMINAL TO BE MANAGED
170
INFORMATION ACQUISITION UNIT
PREDICTION UNIT
150
OPERATING INFORMATION SPECIFYING UNIT
120
PRESENTATION UNIT
160
20
DISPLAY PROCESSING UNIT
ADMINISTRATOR TERMINAL
190
DEFINITION INFORMATION STORAGE UNIT
196
194
CLASSIFICATION INFORMATION STORAGE UNIT

Fig. 11

TERMINAL IDENTIFICATION INFORMATION	INFORMATION TYPE	TERMINAL DATA
TERMINAL A	OS TYPE	×××
	OS VERSION	6.1
	INSTALLED APPLICATION	SOFTWARE A, SOFTWARE B…
TERMINAL B	:	:
:	:	:

Fig. 12

TERMINAL IDENTIFICATION INFORMATION	CLASSIFICATION 1	CLASSIFICATION 2
TERMINAL A	SERVER	—
TERMINAL B	SERVER	—
TERMINAL C	SERVER	—
:	:	:
TERMINAL a	CLIENT	PRIORITY HIGH
TERMINAL b	CLIENT	PRIORITY INTERMEDIATE
TERMINAL c	CLIENT	PRIORITY LOW
:	:	:

Fig. 13

VULNERABILITY DISPLAY SCREEN

OVERVIEW OF VULNERABILITY A

	AT RISK	▼REMAINING RISK PREDICTED VALUE AFTER ONE WEEK	REMAINING RISKS AFTER COUNTERMEASURE	COUNTERMEASURE (1)	COUNTERMEASURE (2)	COUNTERMEASURE (3)
TOTAL	90	90	90			
SERVER	10	10	10	☐ (5)	☐ (4)	☐ (3)
CLIENT	80	80	80			
PRIORITY: HIGH	10	10	10	☐ (8)	☐ (5)	☐ (2)
PRIORITY: INTERMEDIATE	15	15	15	☐ (5)	☐ (10)	☐ (5)
PRIORITY: LOW	55	55	55	☐ (10)	☐ (50)	☐ (5)

COUNTERMEASURE (1)	DESCRIPTION OF COUNTERMEASURE (1)
COUNTERMEASURE (2)	DESCRIPTION OF COUNTERMEASURE (2)
COUNTERMEASURE (3)	DESCRIPTION OF COUNTERMEASURE (3)

Fig. 14

	AFTER IMMEDIATE EXECUTION	NEXT DAY	AFTER ONE WEEK	AFTER ONE MONTH	AFTER THREE MONTHS
TOTAL	22	13	6	2	0
SERVER	8	8	5	2	0
CLIENT	14	5	1	0	0
PRIORITY: HIGH	3	1	0	0	0
PRIORITY: INTERMEDIATE	4	1	0	0	0
PRIORITY: LOW	7	3	1	0	0

Fig. 15

VULNERABILITY DISPLAY SCREEN

OVERVIEW OF VULNERABILITY A

	AT RISK	▼REMAINING RISK PREDICTED VALUE AFTER ONE WEEK	REMAINING RISKS AFTER COUNTERMEASURE	COUNTERMEASURE (1)	COUNTERMEASURE (2)	COUNTERMEASURE (3)
TOTAL	90	6	0			
SERVER	10	5	0	■ (5)	■ (4)	■ (1)
CLIENT	80	1	0			
PRIORITY: HIGH	10	0	0	■ (8)	■ (2)	□ (0)
PRIORITY: INTERMEDIATE	15	0	0	■ (5)	■ (10)	□ (5)
PRIORITY: LOW	55	1	0	■ (10)	■ (45)	□ (5)

COUNTERMEASURE (1)	DESCRIPTION OF COUNTERMEASURE (1)
COUNTERMEASURE (2)	DESCRIPTION OF COUNTERMEASURE (2)
COUNTERMEASURE (3)	DESCRIPTION OF COUNTERMEASURE (3)

Fig. 16

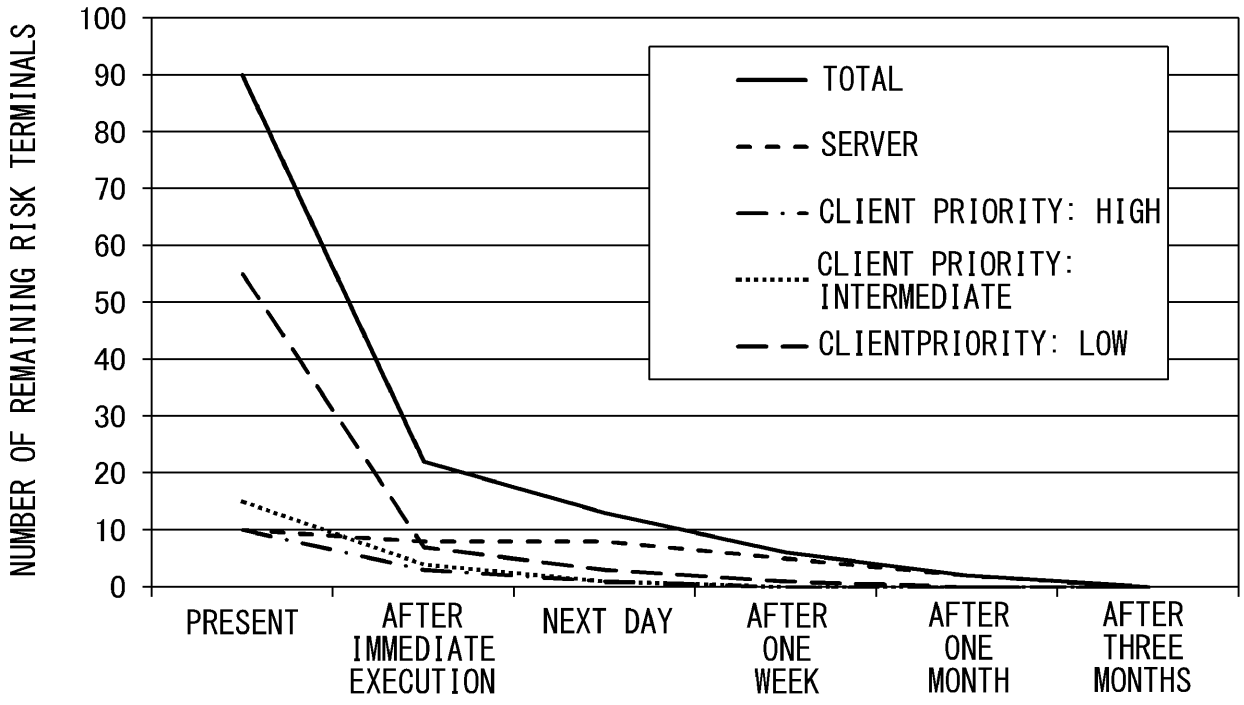
NUMBER OF REMAINING RISK TERMINALS
100
90
80
70
60
50
40
30
20
10
0
TOTAL
SERVER
CLIENT PRIORITY: HIGH
CLIENT PRIORITY: INTERMEDIATE
CLIENTPRIORITY: LOW
PRESENT
AFTER IMMEDIATE EXECUTION
NEXT DAY
AFTER ONE WEEK
AFTER ONE MONTH
AFTER THREE MONTHS

Fig. 17

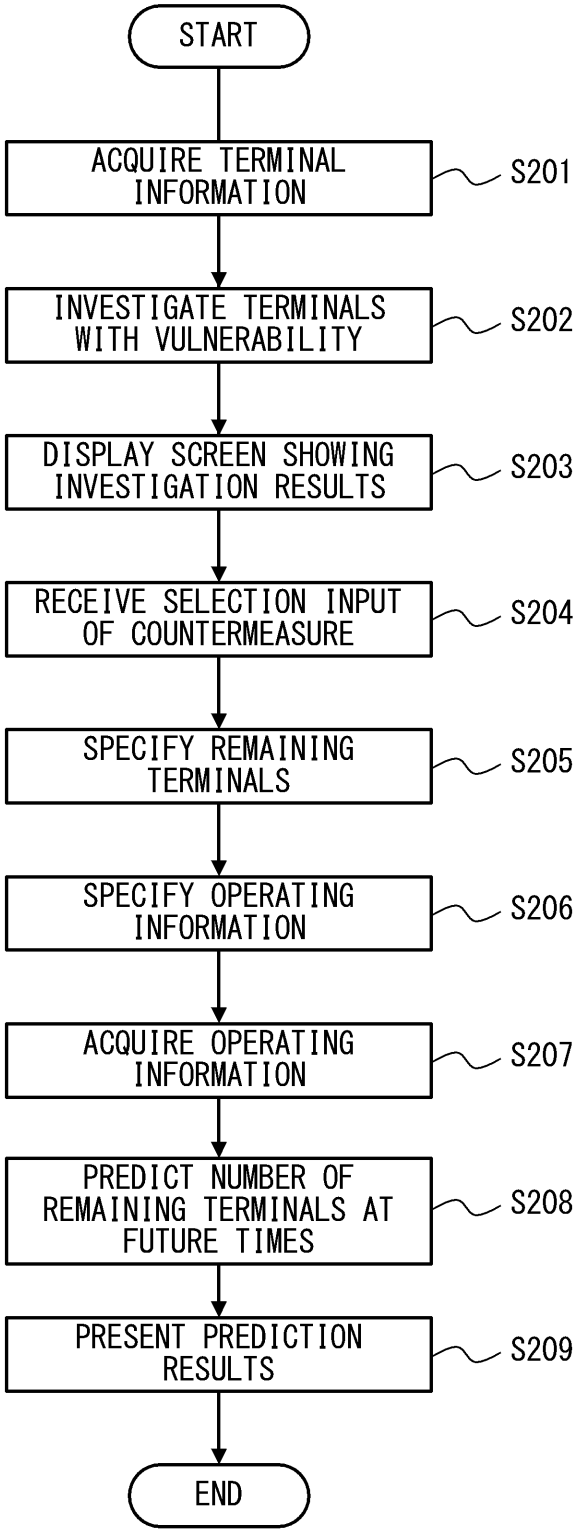
START
ACQUIRE TERMINAL INFORMATION
S201
INVESTIGATE TERMINALS WITH VULNERABILITY
S202
DISPLAY SCREEN SHOWING INVESTIGATION RESULTS
S203
RECEIVE SELECTION INPUT OF COUNTERMEASURE
S204
SPECIFY REMAINING TERMINALS
S205
SPECIFY OPERATING INFORMATION
S206
ACQUIRE OPERATING INFORMATION
S207
PREDICT NUMBER OF REMAINING TERMINALS AT FUTURE TIMES
S208
PRESENT PREDICTION RESULTS
S209
END

Fig. 18