

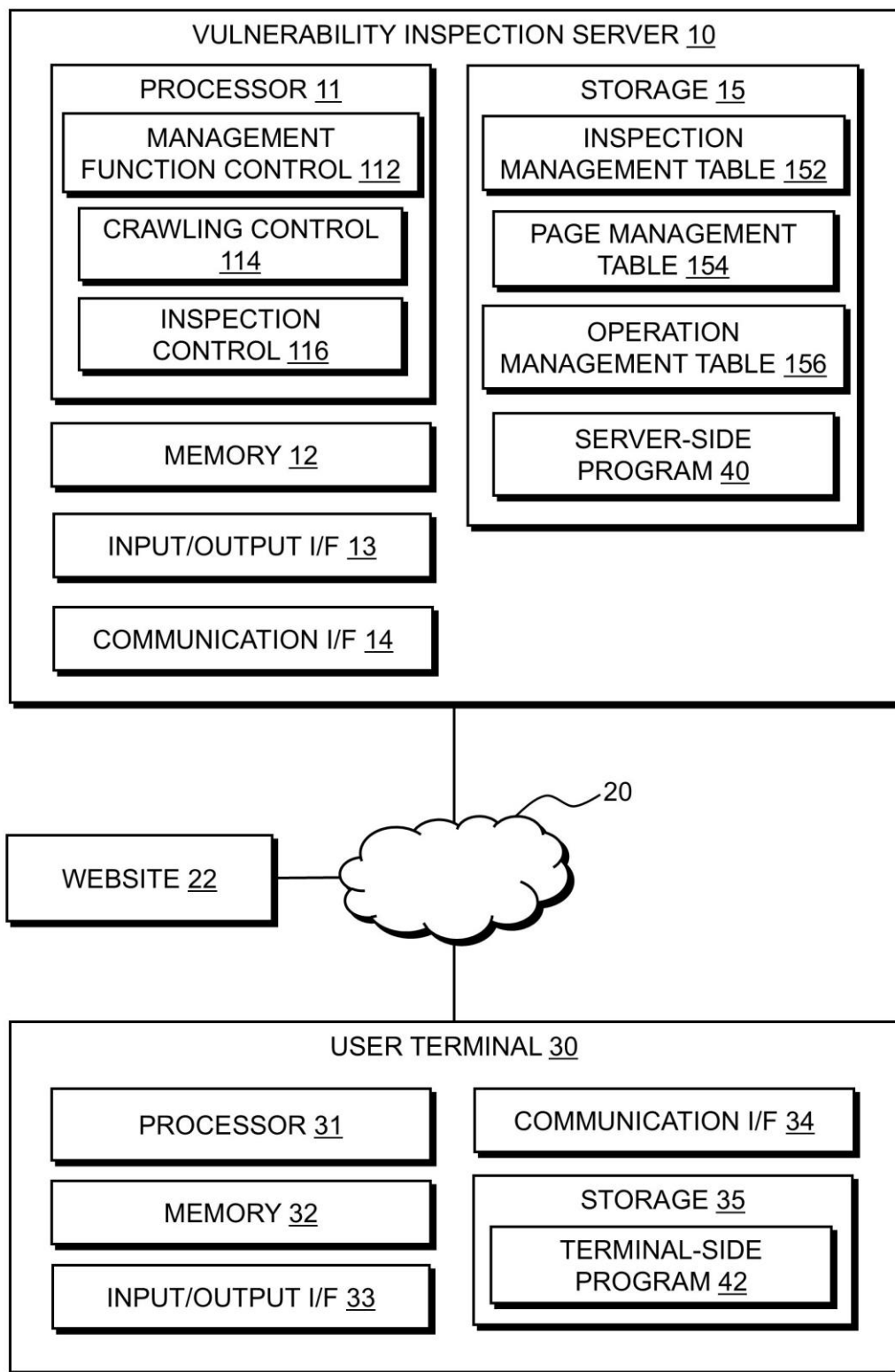


FIG. 1

INSPECTION MANAGEMENT TABLE 152

<u>INSPECTION ID</u>
TOP SCREEN URL
SCREEN TRANSITION SETTING DATE/TIME
INSPECTION EXECUTION DATE/TIME
...

FIG. 2

PAGE MANAGEMENT TABLE 154

<u>INSPECTION ID</u>
<u>SCREEN ID</u>
SCREEN URL
SCREEN CAPTURE INFORMATION
HTML DATA
TRANSITION SOURCE SCREEN ID
TRANSITION SOURCE OPERATION ID
TRANSITION SOURCE INPUT INFORMATION
INSPECTION RESULT INFORMATION
...

FIG. 3

OPERATION MANAGEMENT TABLE 156

<u>INSPECTION ID</u>
<u>SCREEN ID</u>
<u>OPERATION ID</u>
ELEMENT INFORMATION
FUNCTION ID
FUNCTION RELATEDNESS DEGREE SCORE
EXECUTION FLAG
...

FIG. 4

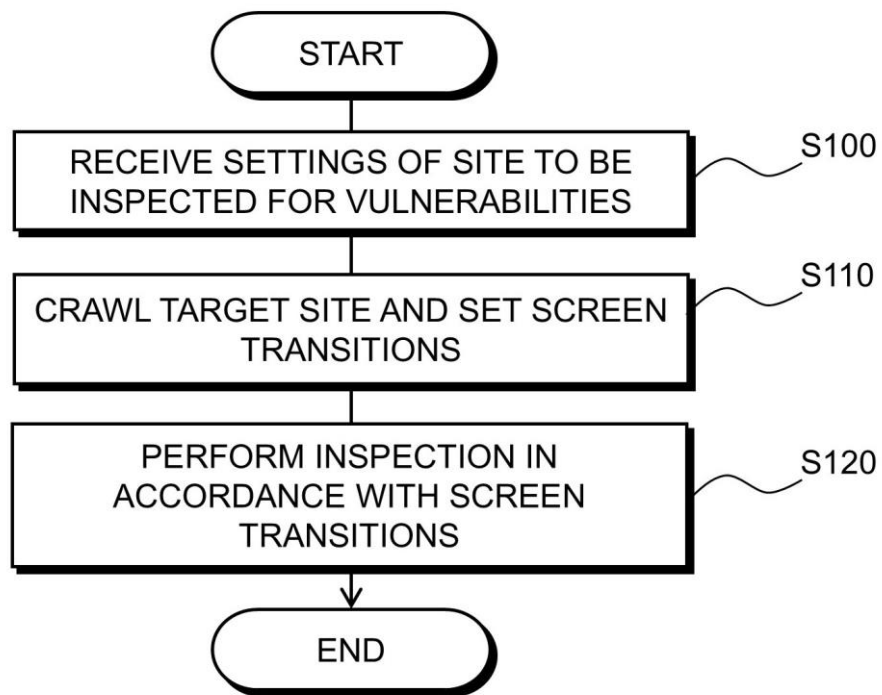


FIG. 5

50

TARGET SITE SETTING SCREEN

TOP SCREEN URL: 52

LOGIN ID: 54

PASSWORD: 56

START
CRAWL/INSPECTION

58

FIG. 6

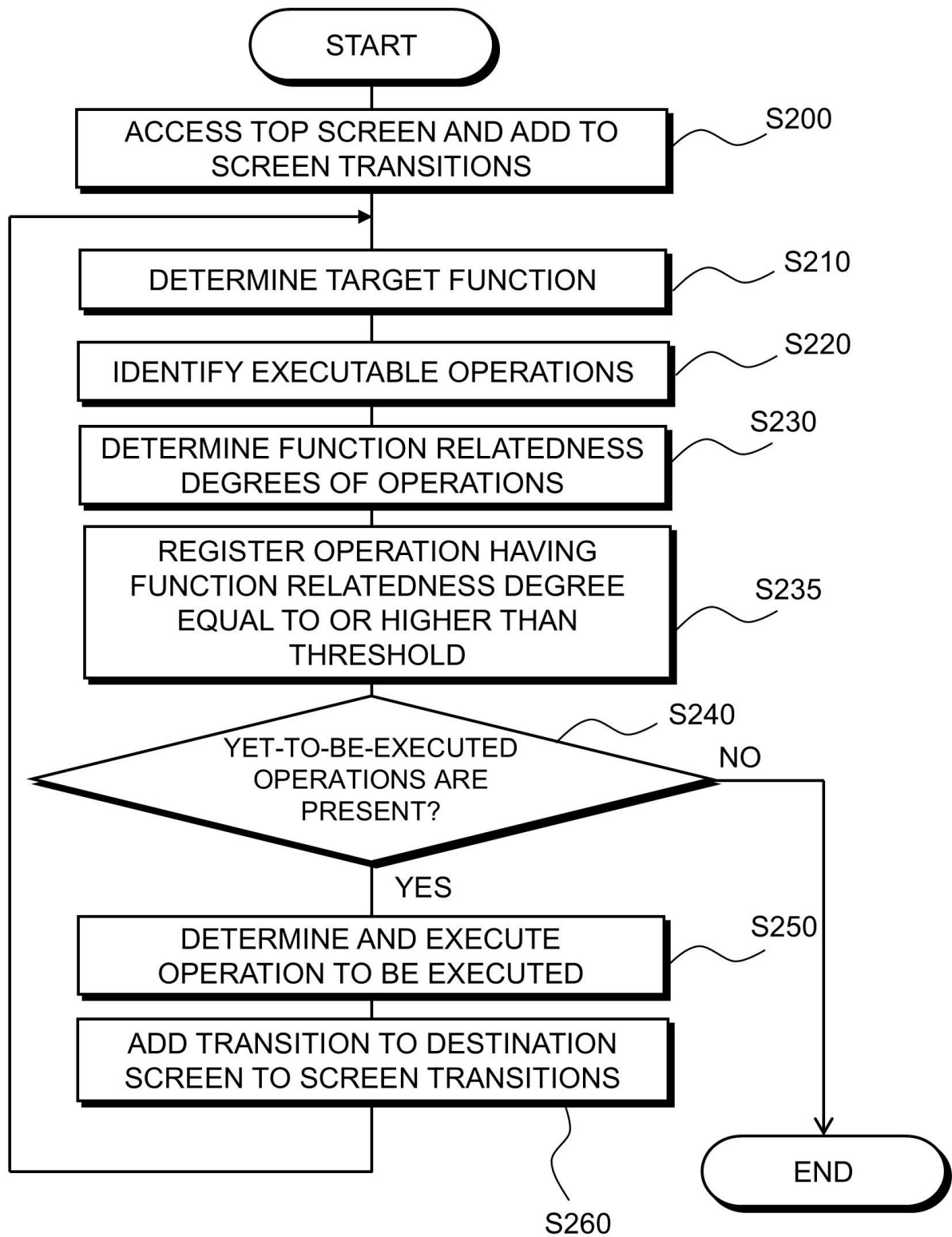


FIG. 7

Input
Output to what extent the [target function] among the following [conditions] will be achieved by executing the following [operation] under the following [conditions], as the degree of relatedness of 0 to 100. For example, output the degree of relatedness of 0 when an operation is not related to the target function at all; output the degree of relatedness of 100 when an operation is completely related to the target function. ### Conditions: Target function: login Past operations: 1. Access to the top page URL of pages reached due to the past operations: 1. http://www.example.com/ HTML of pages reached due to the past operations: 1. <html>~</html> URL of the current page: http://www.example.com/ HTML of the current page: <html>~</html> ### Operation: Clicking a link whose label is "login"
Output
Degree of relatedness: 100

FIG. 8

<u>INSPECTION ID</u>	<u>SCREEN ID</u>	<u>OPERATION ID</u>	FUNCTION ID	EXECUTION FLAG
T01	S01	O01	F01	0
T01	S01	O02	F01	0

FIG. 9

Input
Output to what extent the [target function] among the following [conditions] will be achieved by executing the following [operation] under the following [conditions], as the degree of relatedness of 0 to 100. For example, output the degree of relatedness of 0 when an operation is not related to the target function at all; output the degree of relatedness of 100 when an operation is completely related to the target function. ###Conditions: Target function: Login Past operations: 1. Access to the top page 2. Click a link whose label is "login" URL of pages reached due to the past operations: 1. http://www.example.com/ 2. http://www.example.com/login HTML of pages reached due to the past operations: 1. <html>~</html> 2. <html>~</html> URL of the current page: http://www.example.com/login HTML of the current page: <html>~</html> ### Operation: Making inputs in a form including a "login" button and clicking the button
Output
Degree of relatedness: 100

FIG. 10

<u>INSPECTION ID</u>	<u>SCREEN ID</u>	<u>OPERATION ID</u>	FUNCTION ID	EXECUTION FLAG
T01	S01	O01	F01	1
T01	S01	O02	F01	0
T01	S02	O01	F01	0
T01	S02	O02	F02	0

FIG. 11

60

INSPECTION RESULT CONFIRMATION SCREEN

62

SEVERITY	VULNERABILITY NAME	DETECTION LOCATION	VULNERABLE LOCATION

FIG. 12

Input
List vulnerability inspection-requiring functions for pages having the following [information]. Output the degree (a score of 0 to 100) to which each function requires an inspection. For example, output the score of a function that requires no inspection, as 0; output the score of a function that requires an inspection, as 100. ### Information: URL of other pages on the same site: 1. http://www.example.com/ 2. http://www.example.com/login HTML of other pages on the same site: 1. <code><html>~</html></code> 2. <code><html>~</html></code> URL of the current page: http://www.example.com/login HTML of the current page: <code><html>~</html></code>
Output
1. Function: login Score: 100 2. Function: product purchase Score: 100 3. Function: inquiry Score: 50

FIG. 13

Input
List vulnerability inspection-requiring functions for pages having the following [information]. Output the degree (a score of 0 to 100) to which each function requires an inspection, and the ground for the degree. For example, output the score of a function that requires no inspection, as 0; output the score of a function that requires an inspection, as 100. ### Information: URL of other pages on the same site: 1. http://www.example.com/ 2. http://www.example.com/login HTML of other pages on the same site: 1. <code><html>~</html></code> 2. <code><html>~</html></code> URL of the current page: http://www.example.com/login HTML of the current page: <code><html>~</html></code>
Output
1. Function: login Score: 100 Ground: It was determined that a login function is present due to the site including a login form. It was also determined that the login function requires an inspection due to being an important function. 2. Function: product purchase Score: 100 Ground: It was determined that a product purchase function is present due to cart information being displayed on the header of the page. It was also determined that the product purchase function requires an inspection due to being an important function. 3. Function: inquiry Score: 50 Ground: It was determined that an inquiry function is present due to the presence of a link with an "inquiry" label. It was also determined that the inquiry function had better be inspected due to being a function that tends to become vulnerable.

FIG. 14