

Fig.1

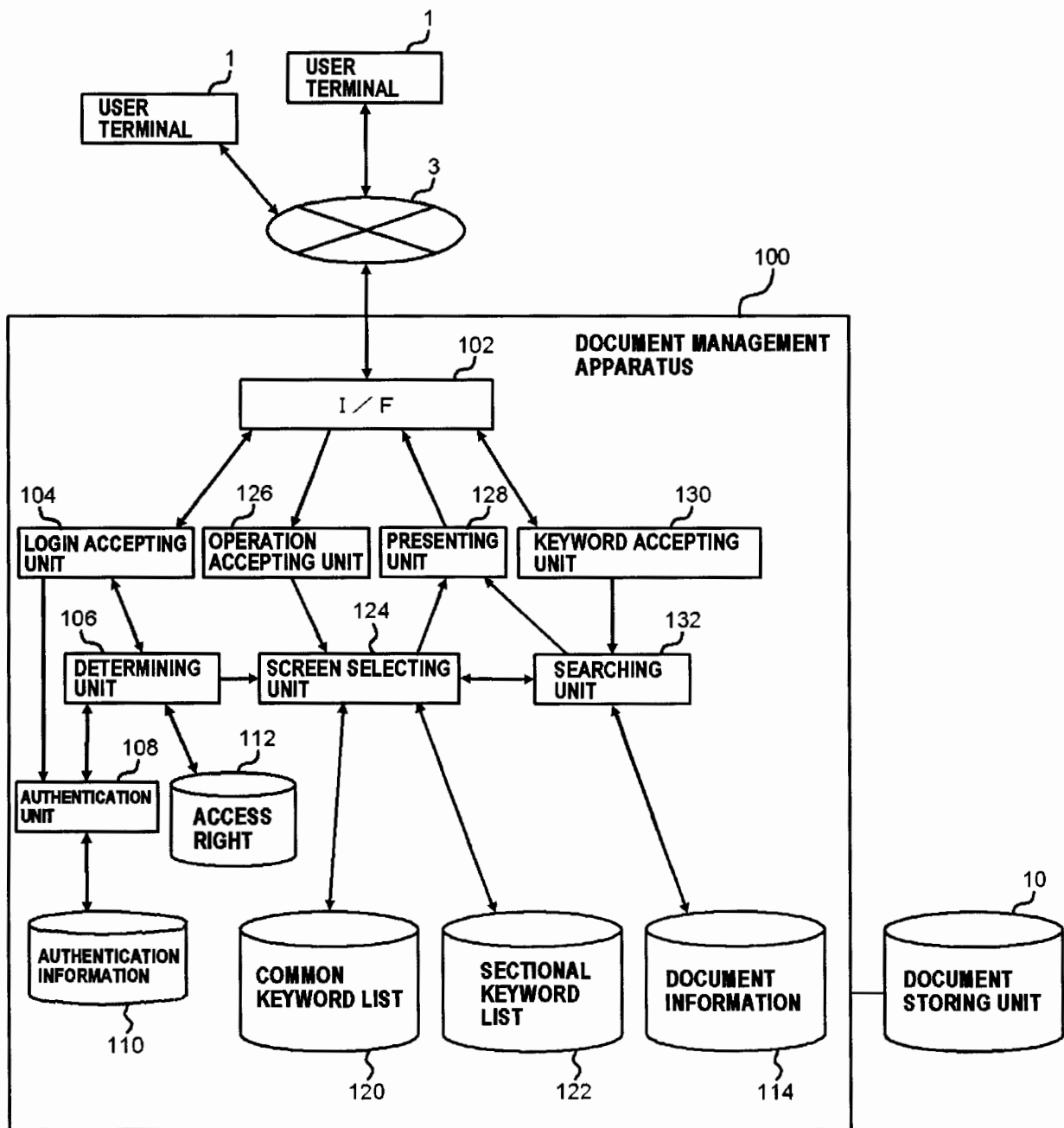


Fig.2

142

10

140

REGION SECTION	DB1	DB2	DB3	DB4
GROUP 1 (G1)	D0001 D0007 ⋮	D0008 D0011 ⋮	D0009 D0010 ⋮	D0003 D0012 ⋮
GROUP 2 (G2)	D0013 D0014 ⋮	D0002 D0015 ⋮	D0005 D0016 ⋮	D0017 D0018 ⋮
GROUP 3 (G3)	D0004 D0019 ⋮	D0020 D0021 ⋮	D0022 D0023 ⋮	D0024 D0025 ⋮
GROUP 4 (G4)	D0026 D0027 ⋮	D0006 D0028 ⋮	D0029 D0030 ⋮	D0031 D0032 ⋮

Fig.3

The diagram shows a table with three columns and three rows. The columns are labeled 'USER ID', 'PASSWORD', and 'BELONGING SECTION'. The first row contains the values 'A0001', '*****', and 'G1'. The second row contains 'A0002', '*****', and 'G2'. The third row contains vertical ellipses in each column. Labels 110, 160, 162, and 164 are placed above the table with lines pointing to the table itself, the first column, the first row, and the second row respectively.

USER ID	PASSWORD	BELONGING SECTION
A0001	*****	G1
A0002	*****	G2
⋮	⋮	⋮

Fig.4

112

ACCESS DESTINATION / BELONGING SECTION	G1	G2	G3	G4	G5	
G1	2	1	1	2	0	
G2	1	2	0	0	0	
G3	1	0	2	1	1	
G4	2	2	2	2	2	
G5	0	1	1	1	2	

0: ACCESS INHIBITION
1: READ ONLY
2: EDITABLE

Fig.5

DOCUMENT ID	GROUP	REGION	TITLE	KEYWORD
D0001	G1	DB1		
D0002	G2	DB2		
D0003	G1	DB4		
D0004	G3	DB1		
D0005	G2	DB3		
D0006	G4	DB2		

Fig.6

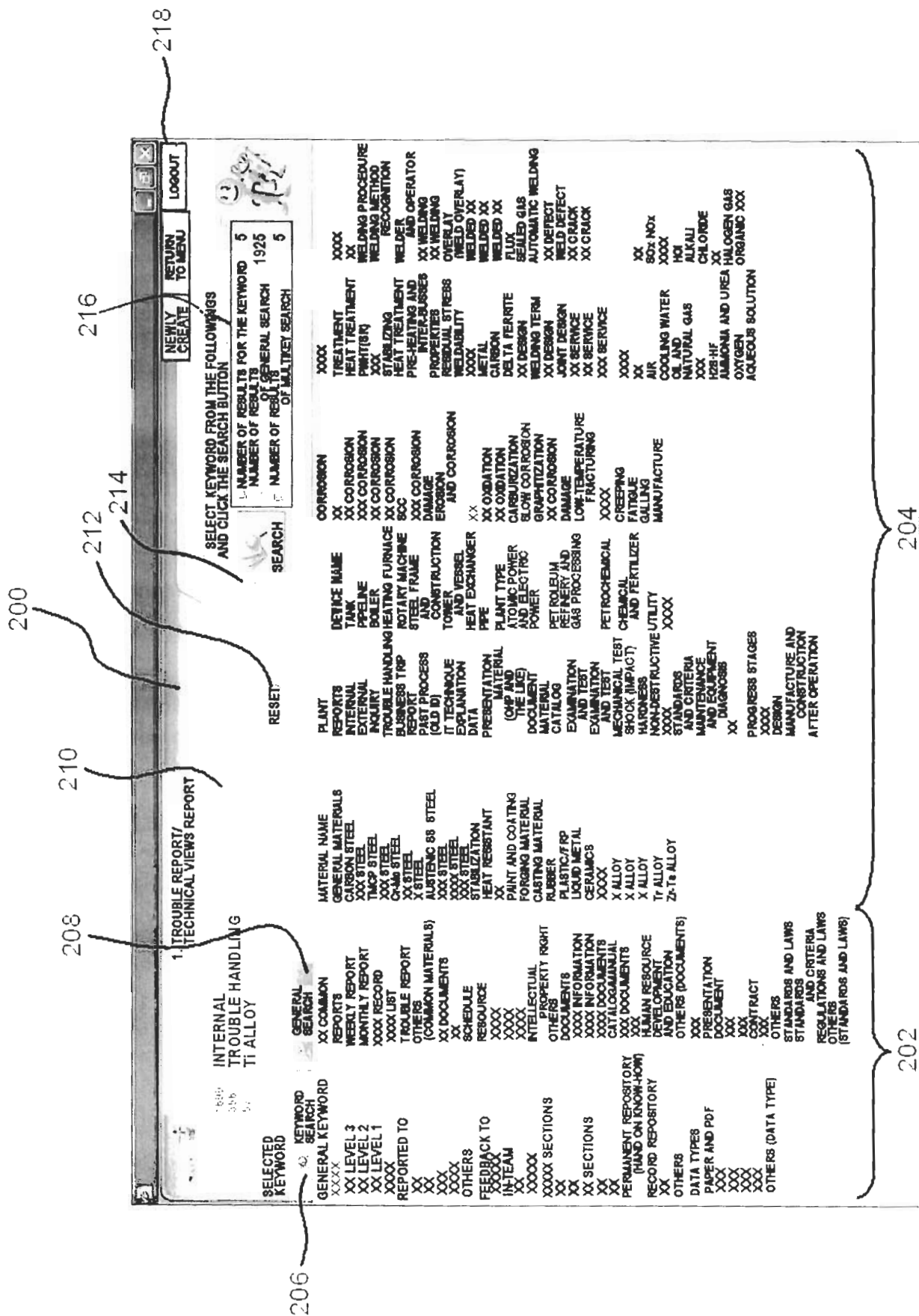


Fig.7

Figure 1 is a screenshot of a login interface. At the top left, there is a "LOGIN" button with a key icon. At the top right, there is a "PASSWORD CHANGE" button. Below these buttons, the instruction "SELECT SECTION AND USER NAME AND ENTER PASSWORD" is displayed. The interface contains three input fields: "SECTION" with a dropdown menu showing "GROUP 1" (labeled 232), "USER ID" with the text "A004" (labeled 234), and "PASSWORD" with a masked character (labeled 236). At the bottom, there are two buttons: "SECTION KNOWLEDGE LOGIN" with an icon of three people (labeled 238) and "ENTIRE COMPANY KNOWLEDGE LOGIN" with a building icon (labeled 240). A bracket on the right side of the input fields is labeled 230.

Fig.8

266

262

264

TECHNIQUE HAND-DOWN
AND WORK EFFICIENCY
INCREASING TOOL

UPDATE

MAIN KNOWLEDGE

THE NUMBER OF
DATA PIECES

1958 TROUBLE REPORT/
TECHNICAL VIEWS REPORT

821 TECHNICAL STANDARD GUIDE

2054 TECHNICAL DATA

3921 LITERATURE

TROUBLE REPORT, TECHNICAL REPORT, MEETING RECORD

"WELDING, CORROSION, MATERIAL" KNOW-HOW
(OBTAINED FROM TROUBLE EXPERIENCES)
CREATED IN CHEMICAL PLANT

REGISTRATION AND REFERENCE OF TECHNICAL DATA
AND CATALOGS OF VARIOUS COMPANIES

REGISTRATION AND REFERENCE OF LITERATURE
SUCH AS TECHNICAL MAGAZINES, PAPERS, AND THE LIKE

EXTERNAL
INFORMATION SOURCES

HUMAN NETWORK
INFORMATION SEARCH

SHARING OF BUSINESS CARDS

COMPANY INFORMATION
SEARCH

SHARING OF FORMAL NAME AND HP
OF CUSTOMER AND REGISTERED
PERSON INFORMATION

260

Action (D) Reception (16) Thanks

PERSON
EXPECTED :
TO WORK

KIND IMPORTANCE DEADLINE DATE TITLE REQUESTER CONTENT OF ACTION

RECORD.

END OF SYSTEM LOGOUT Hit up LIST ACTION HISTORY

Fig.9

Figure 1 is a screenshot of a computer interface for a technical report database. The interface is divided into several sections. At the top, there's a header bar with "1. TROUBLE REPORT/ TECHNICAL VIEWS REPORT" and a "SELECTED KEYWORD" field. Below this, a table lists reports with columns for "SEARCH ID", "CREATION STATE", "SECTION DB", and "GROUP". A "SEARCH RESULT LIST" window is open, showing a list of results with columns for "TITLE", "CREATOR", and "ACCESS ID". A "NEWLY CREATE" button is visible. On the right, there's a "DELETE" button and an "ACCESS HISTORY" section with a list of items and their titles. At the bottom, there's a "Pickup List" and a "REDPLAY" button.

Fig.10

332

336

338

340

350

330
334
218

1. TROUBLE REPORT/ TECHNICAL VIEWS REPORT

AAA COMPANY, MAINTENANCE AND REPAIR FOR PINHOLE OF WELDED PART (ID 492) ★

CREATION START DATE 1996/05/27

FINAL UPDATE DATE 2003/10/29

Work No. BA00397

LANGUAGE SETTING

English

COMPANY INFORMATION

OWNER

NAME

XXXX

XXXX

GROUP 1

GROUP 1

RETURN TO LIST

RETURN TO MENU

KEYWORD SELECTION

LOGOUT

WORK COMPLETION

Pickup List

360

CONTENT 1. REQUEST POINT

APINPHOLE IS DETECTED IN WELDED PART OF TOWER MADE BY TITANIUM CLAD STEEL AT FIELD SITE NOW UNDER REPAIR. ACCORDING TO INSPECTION FROM CLIENT, HARDNESS HAS BEEN MEASURED.

ATTACHED FILE

ID	NAME	USER	FILE NAME	SIZE	NOTE
004250	TOWER OVERVIEW	☐	00240 FIGURE_102X8	EA1101	
004251	DAMAGED PART SURFACE PHOTOGRAPH	☐	10250.bmp		TOWER FRANGE PART
004252	REPORT SUBMITTED TO CUSTOMER	☐	10250.rpt		RevD (1998/05/27)

RELATED INFORMATION

ID SECTION: DB TITLE

☐ 000495 GROUP 1:1 TEST MANUAL REVIEW (ID 495)

☐ 000501 GROUP 1:1 QUALIFICATION TEST (ID 501)

☐ 000503 GROUP 1:2 ITS WELD

☐ 000506 GROUP 1:3 TECHNICAL SERIES (OLD ID 696)

☐ 000508 GROUP 1:3 MEASURE (PHOTOGRAPH) (ID 883)

☐ 000509 GROUP 1:3 MANUFACTURE MANUAL (ID 885)

☐ 000510 GROUP 1:4 WELD (OLD ID 573)

1/1 PAGE (TOTAL 8 RECORDS) - SELECT AND THEN CANCEL

CREATOR	PRINT	COPY	MOVE	UPDATE	THANKS
XXXX					
XXXX					
XXXX					
XXXX					
XXXX					
XXXX					
XXXX					

1/1 PAGE (TOTAL 3 RECORDS) - TRIMMENAL VIEW - ADD ATTACHED FILE

REGISTERED DATE	REGISTERED SECTION	REGIST. RATOR	UPDATED DATE	UPDATING SECTION	UPDATING OPERATOR
2004/10/01	GROUP 1	XXXX: MATERIAL	2005/04/25		
2004/10/01	GROUP 1	XXXX: MATERIAL			
2004/10/01	GROUP 1	XXXX: MATERIAL			

ASSOCIATION / DELETE

ACCESS HISTORY

ID TITLE

☐ 000496 AAA COMPANY XXXX

☐ 01332E [MINUTE 8]XXXX

☐ 014044 [MINUTE 8]XXXX

☐ 011945 [SHARED BY MEMBER8]XXXX

☐ 011948 [SHARED BY MEMBER8]XXXX

DELETED

REDISPLAY

370

Fig.11

1699 INTERNAL TROUBLE HANDLING
356 TROUBLE HANDLING
57 TI ALLOY

SELECTED KEYWORD: 1699 INTERNAL TROUBLE HANDLING
356 TROUBLE HANDLING
57 TI ALLOY

SEARCH CONDITION ITEM

SEARCH: 1699 INTERNAL TROUBLE HANDLING
356 TROUBLE HANDLING
57 TI ALLOY

RESET

SELECT KEYWORD FROM THE FOLLOWINGS
AND CLICK THE SEARCH BUTTON

NUMBER OF RESULTS FOR THE KEYWORD: 5
NUMBER OF RESULTS BY GENERAL SEARCH: 1925
NUMBER OF RESULTS OF MULTIKEY SEARCH: 5

CONDITION: 430

NEWLY CREATE RETURN TO MENU LOGOUT

EMPLOYEE SEARCH
EMPLOYEE SEARCH

NO DESIGNATION IN WORK COMPLETION

LANGUAGE SETTING: NO DESIGNATION Japanese English

Work No.

COMPANY INFORMATION
SOURCE INFORMATION

Fig.12

Knowledge Bank

ENTIRE COMPANY KNOWLEDGE
CONFIGURATION/SEARCH

SECTION DB	DB1	DB2	DB3	DB4
GROUP 1	1 TROUBLE REPORT/TECHNICAL NEWS REPORT	2 TECHNICAL STANDARD GUIDE	3 TECHNICAL DATA	4 LITERATURE
GROUP 2	1 DAILY DOCUMENT CREATION WORK	2 TEAM DOCUMENTATION	3 WORK STANDARD/GUIDE /FORMAT	4 KNOWLEDGE Q&A
GROUP 3	1 GENERAL WORK /JOB RELATED DATA	2 PRODUCT MANAGEMENT INTRODUCTION CASE	3 TROUBLE CASE Q&A	4 VIDEO LIBRARY
GROUP 4	1 DAILY WORK INFORMATION	2 PRODUCT INFORMATION	3 EXTERNAL INFORMATION PROPOSAL	4 Q&A INFORMATION
GROUP 5	1 GENERAL WORK	2 JOB	3 INTERNAL DOCUMENT	4 TECHNICAL INFORMATION
GROUP 6	1 PROPOSAL DOCUMENT	2 EXTERNAL DOCUMENT		4 KNOW-HOW

DB LIST

SELECT ALL

CANCEL ALL

TO KEYWORD SCREEN

Fig.13

480

210

212

482

214

216

218

SELECTED KEYWORD

COMMON KEYWORD CATEGORY

XX COMMON 484

REPORTS

WEEKLY REPORT 486

MONTHLY REPORT

XX LEVEL 2

XX LEVEL 1

XXXX

REPORTED TO

XX

XX

XX

XX

OTHERS

FEEDBACK TO

XXXX

IN-TEAM

XX

XXXX

XXXX SECTIONS

XX

XX

XX

XX

XX

PERMANENT REPOSITORY (BASED ON KNOW-HOW)

RECORD REPOSITORY

XX

OTHERS

DATA TYPES

PAPER AND PDF

XXX

XXX

XXX

XXX

OTHERS (DATA TYPE)

STANDARDS AND LAWS

STANDARDS

RESULTS AND CRITERIA

REGULATIONS AND LAWS

OTHERS (STANDARDS AND LAWS)

FREE WORD

ID NUMBER

TITLE

* INCLUDED WORD

CREATOR

SECTION: DB

NAME: DB

OWNER

SECTION: DB

NAME: DB

CREATION START DATE

FINAL UPDATE DATE

NO DESIGNATION

IN WORK

COMPLETION

500

502

504

NEWLY CREATE

RETURN TO MENU

LOGOUT

1937

SEARCH

SEARCH RESULT

CONDITION RESET

SELECT KEYWORD FROM THE FOLLOWINGS AND CLICK THE SEARCH BUTTON

SEARCH

RESET

Fig.14

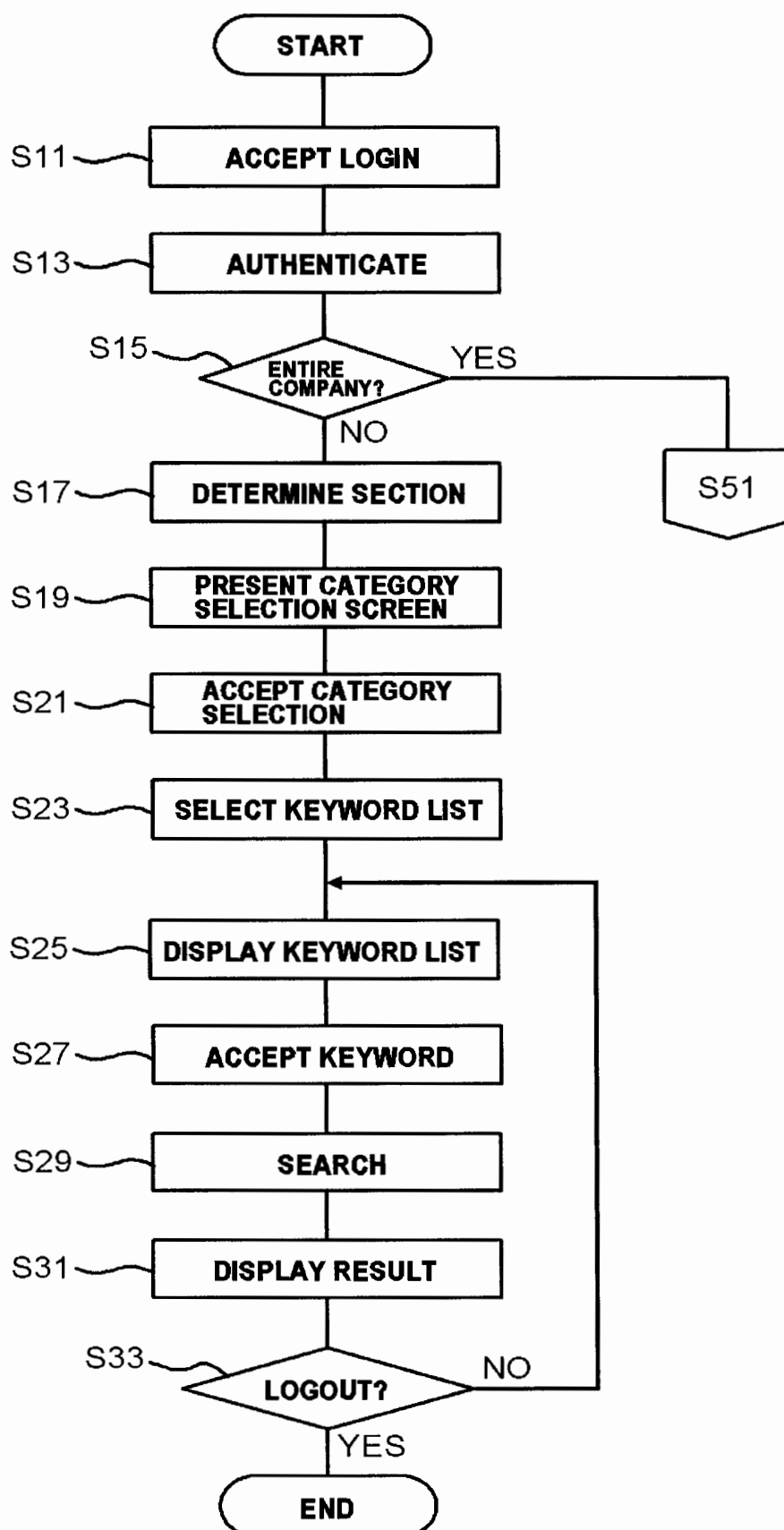


Fig.15

