FIG.1

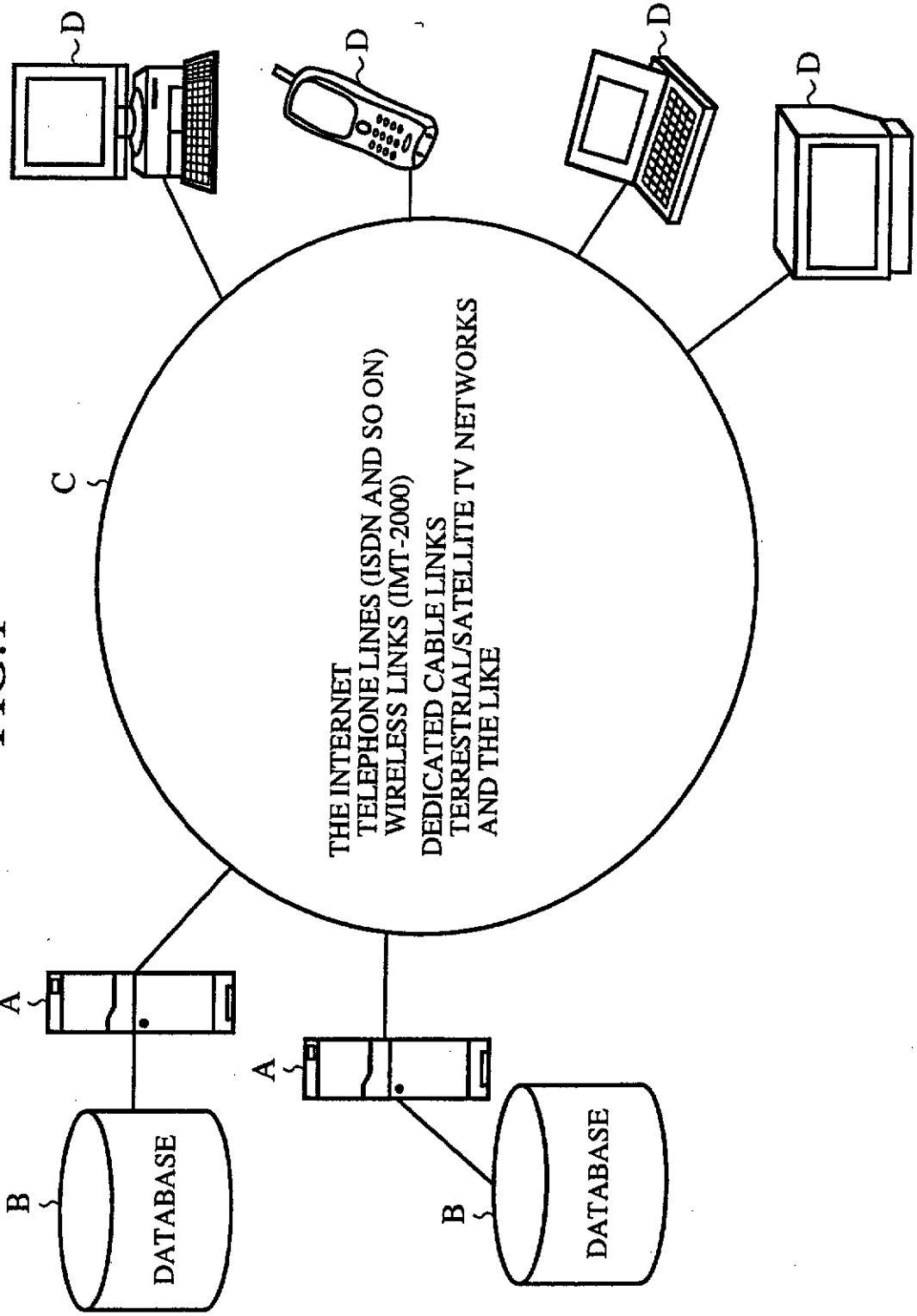

D
D
D
D
C
THE INTERNET
TELEPHONE LINES (ISDN AND SO ON)
WIRELESS LINKS (IMT-2000)
DEDICATED CABLE LINKS
TERRESTRIAL/SATELLITE TV NETWORKS
AND THE LIKE
A
A
B
DATABASE
B
DATABASE

FIG.2

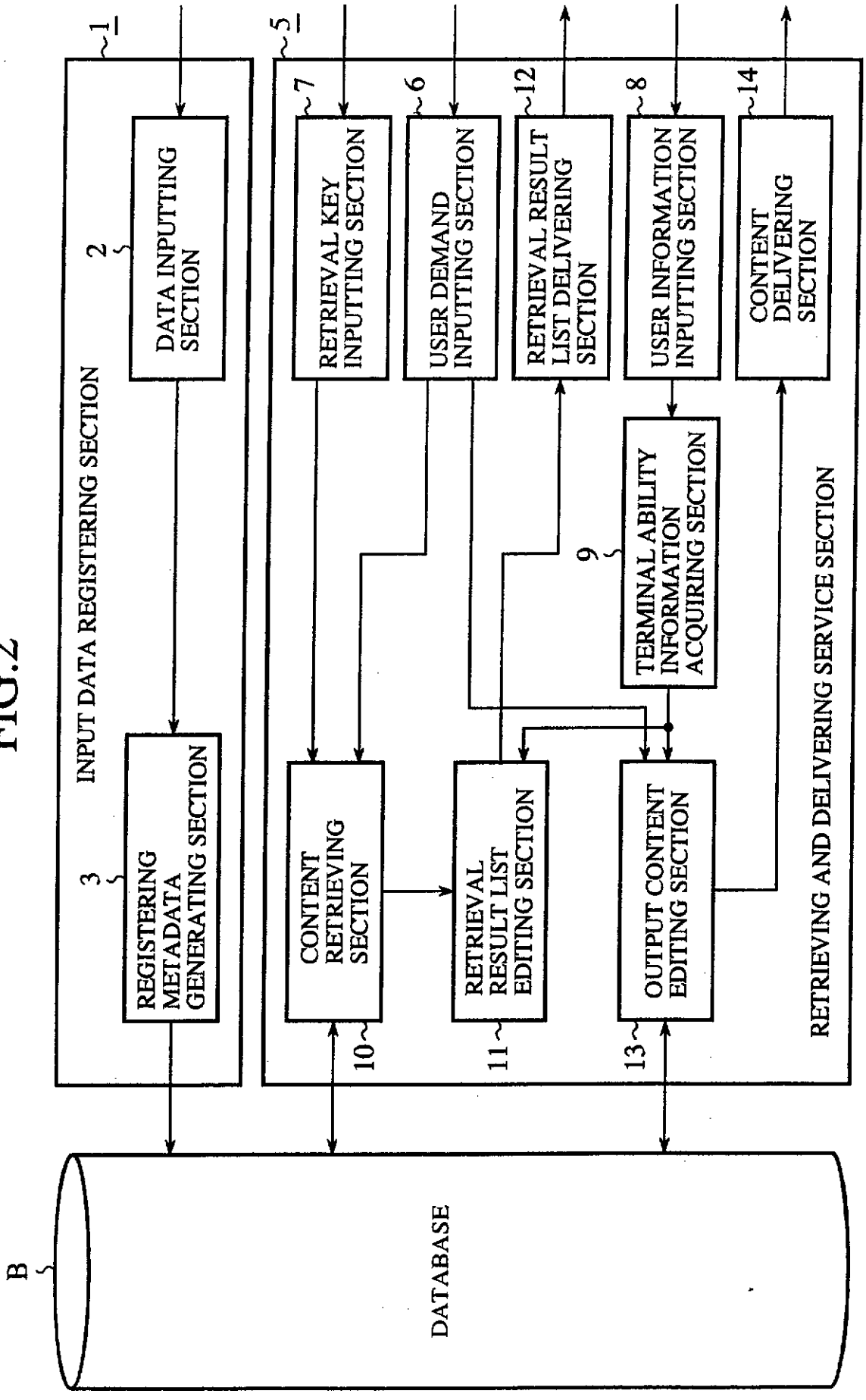

1
INPUT DATA REGISTERING SECTION
2
DATA INPUTTING SECTION
3
REGISTERING METADATA GENERATING SECTION
5
RETRIEVING AND DELIVERING SERVICE SECTION
7
RETRIEVAL KEY INPUTTING SECTION
6
USER DEMAND INPUTTING SECTION
12
RETRIEVAL RESULT LIST DELIVERING SECTION
8
USER INFORMATION INPUTTING SECTION
14
CONTENT DELIVERING SECTION
9
TERMINAL ABILITY INFORMATION ACQUIRING SECTION
10
CONTENT RETRIEVING SECTION
11
RETRIEVAL RESULT LIST EDITING SECTION
13
OUTPUT CONTENT EDITING SECTION
B
DATABASE

FIG.3

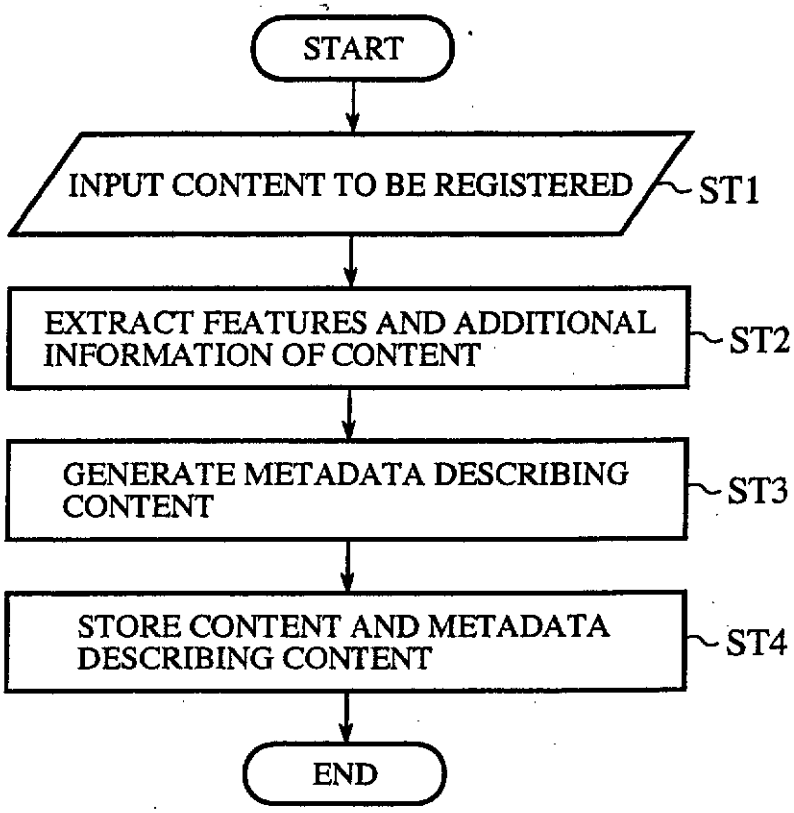


FIG.13

TYPE OF FEATURES	WEIGHT COEFFICIENT
AVERAGED VALUE OF HUE COMPONENTS OF IMAGES	0.1
AVERAGED VALUE OF CHROMA COMPONENTS OF IMAGES	0.1
AVERAGED VALUE OF BRIGHTNESS COMPONENTS OF IMAGES	0.2
HORIZONTAL COMPONENTS OF AVERAGED MOTION VECTORS OF OBJECTS INCLUDED IN IMAGES	0.3
VERTICAL COMPONENTS OF AVERAGED MOTION VECTORS OF OBJECTS INCLUDED IN IMAGES	0.3

FIG.4

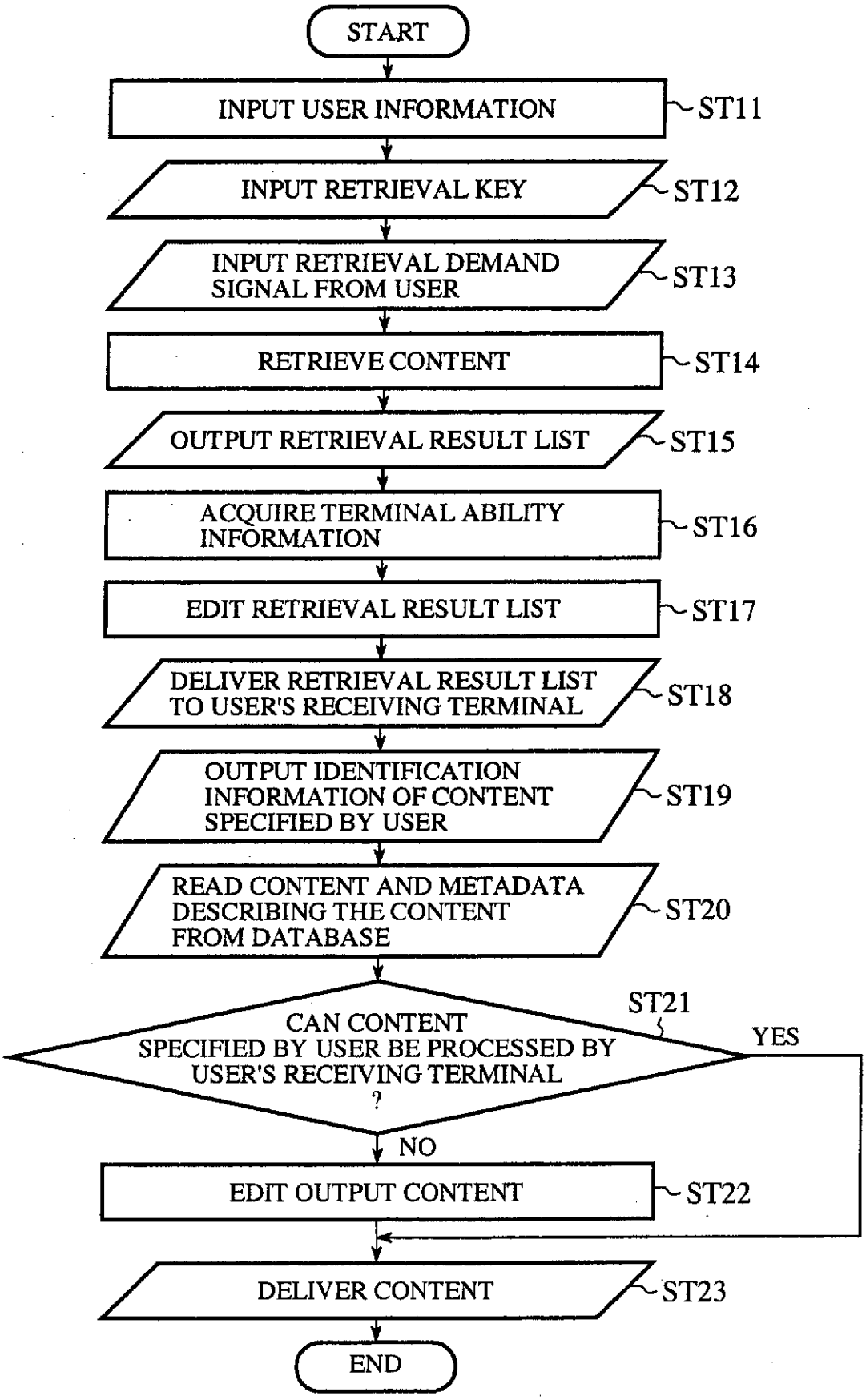

START
INPUT USER INFORMATION
ST11
INPUT RETRIEVAL KEY
ST12
INPUT RETRIEVAL DEMAND SIGNAL FROM USER
ST13
RETRIEVE CONTENT
ST14
OUTPUT RETRIEVAL RESULT LIST
ST15
ACQUIRE TERMINAL ABILITY INFORMATION
ST16
EDIT RETRIEVAL RESULT LIST
ST17
DELIVER RETRIEVAL RESULT LIST TO USER'S RECEIVING TERMINAL
ST18
OUTPUT IDENTIFICATION INFORMATION OF CONTENT SPECIFIED BY USER
ST19
READ CONTENT AND METADATA DESCRIBING THE CONTENT FROM DATABASE
ST20
ST21
CAN CONTENT SPECIFIED BY USER BE PROCESSED BY USER'S RECEIVING TERMINAL ?
YES
NO
EDIT OUTPUT CONTENT
ST22
DELIVER CONTENT
ST23
END

FIG.5

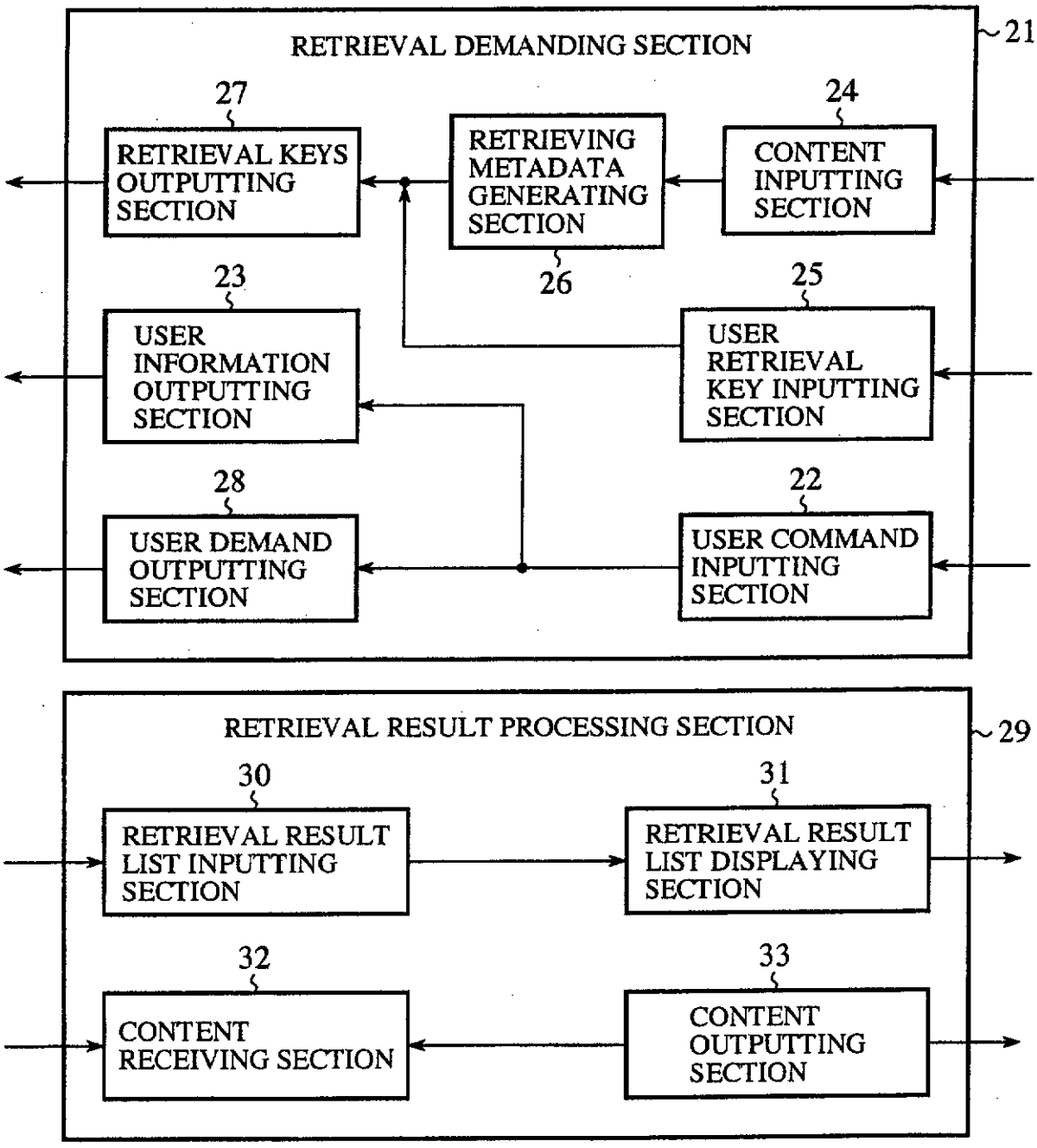

RETRIEVAL DEMANDING SECTION
21
27
RETRIEVAL KEYS OUTPUTTING SECTION
RETRIEVING METADATA GENERATING SECTION
26
24
CONTENT INPUTTING SECTION
23
USER INFORMATION OUTPUTTING SECTION
25
USER RETRIEVAL KEY INPUTTING SECTION
28
USER DEMAND OUTPUTTING SECTION
22
USER COMMAND INPUTTING SECTION
RETRIEVAL RESULT PROCESSING SECTION
29
30
RETRIEVAL RESULT LIST INPUTTING SECTION
31
RETRIEVAL RESULT LIST DISPLAYING SECTION
32
CONTENT RECEIVING SECTION
33
CONTENT OUTPUTTING SECTION

FIG.6

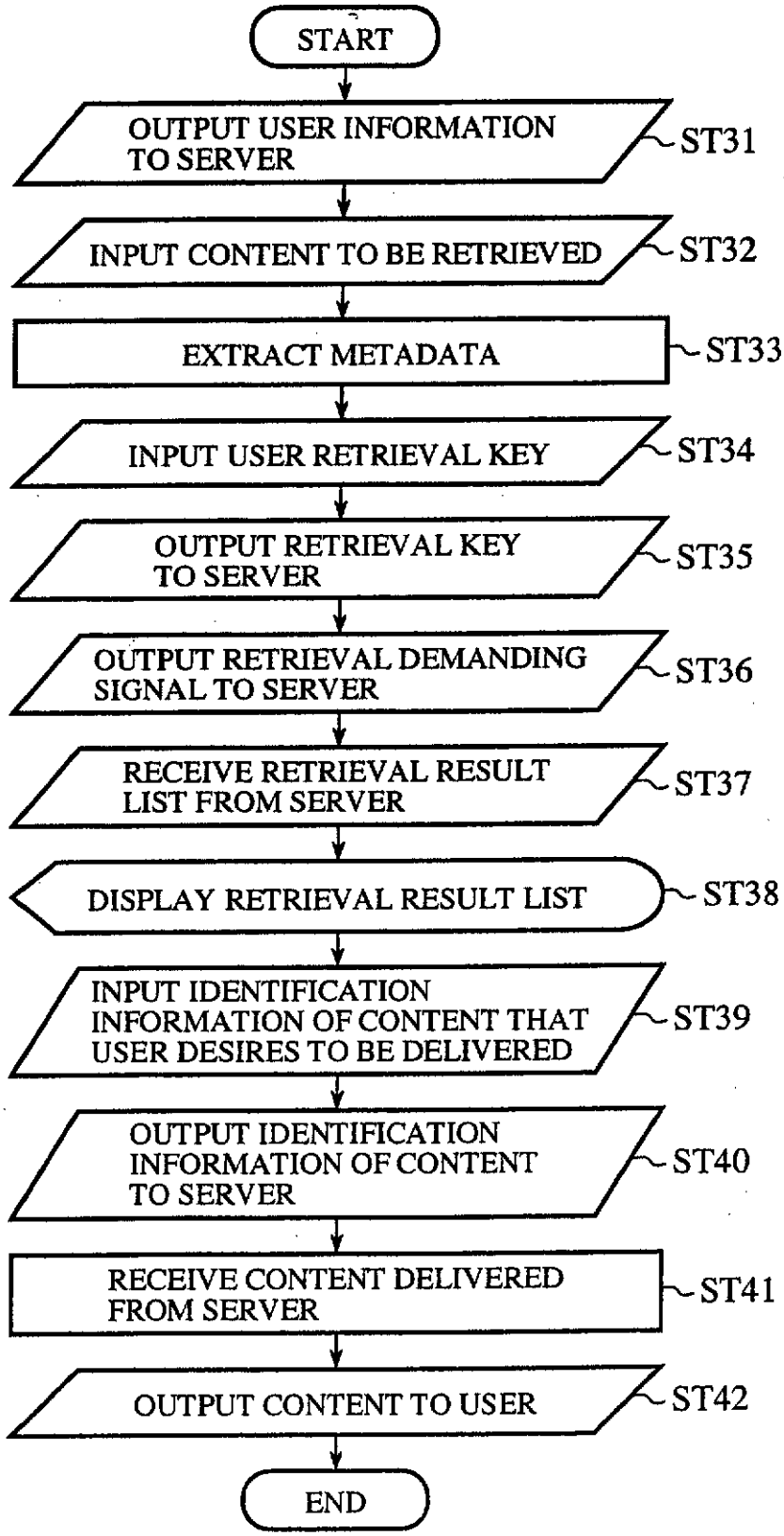
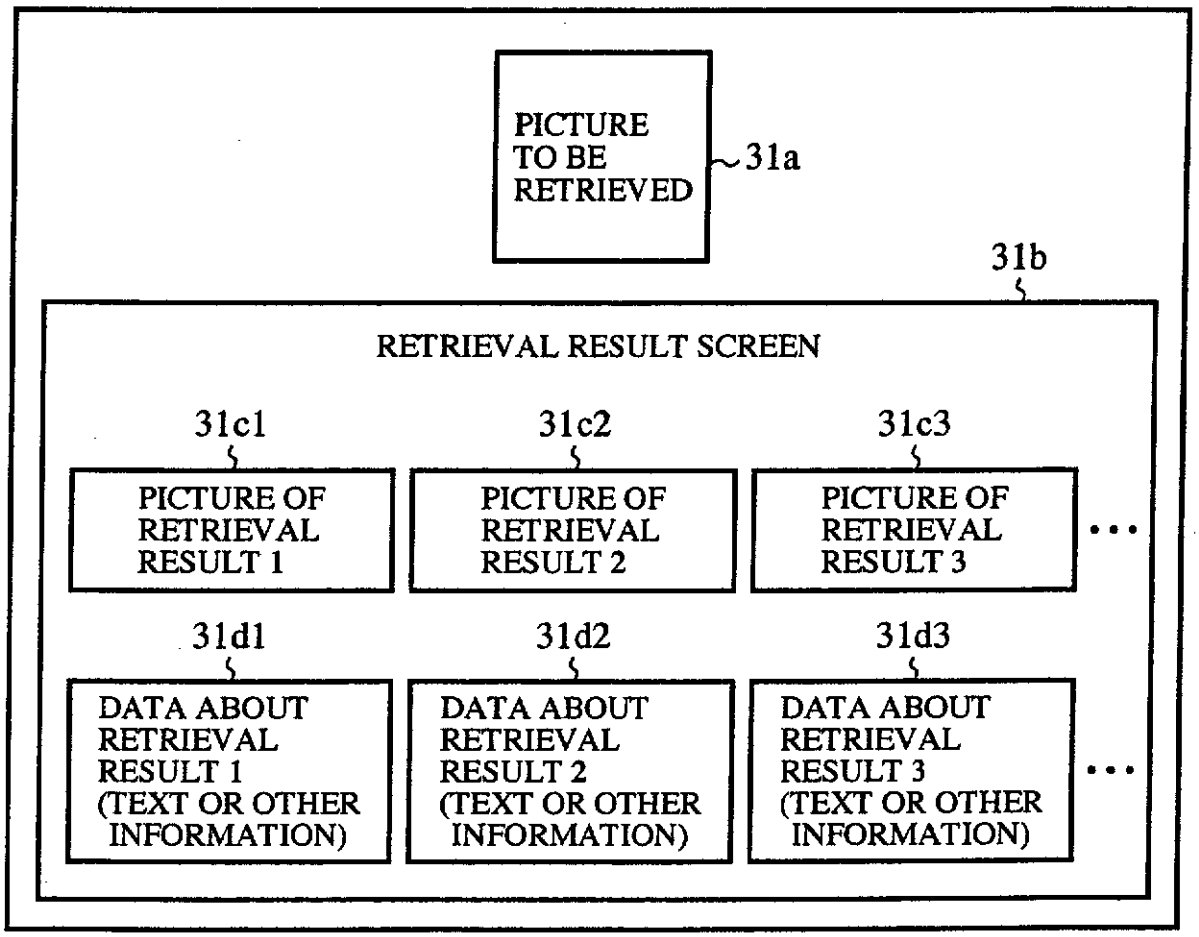

START
OUTPUT USER INFORMATION TO SERVER
ST31
INPUT CONTENT TO BE RETRIEVED
ST32
EXTRACT METADATA
ST33
INPUT USER RETRIEVAL KEY
ST34
OUTPUT RETRIEVAL KEY TO SERVER
ST35
OUTPUT RETRIEVAL DEMANDING SIGNAL TO SERVER
ST36
RECEIVE RETRIEVAL RESULT LIST FROM SERVER
ST37
DISPLAY RETRIEVAL RESULT LIST
ST38
INPUT IDENTIFICATION INFORMATION OF CONTENT THAT USER DESIRES TO BE DELIVERED
ST39
OUTPUT IDENTIFICATION INFORMATION OF CONTENT TO SERVER
ST40
RECEIVE CONTENT DELIVERED FROM SERVER
ST41
OUTPUT CONTENT TO USER
ST42
END

FIG.7

(a) EXAMPLE OF DISPLAY ON PCS AND THE LIKE



(b) EXAMPLE OF DISPLAY ON CELLULAR PHONES AND THE LIKE

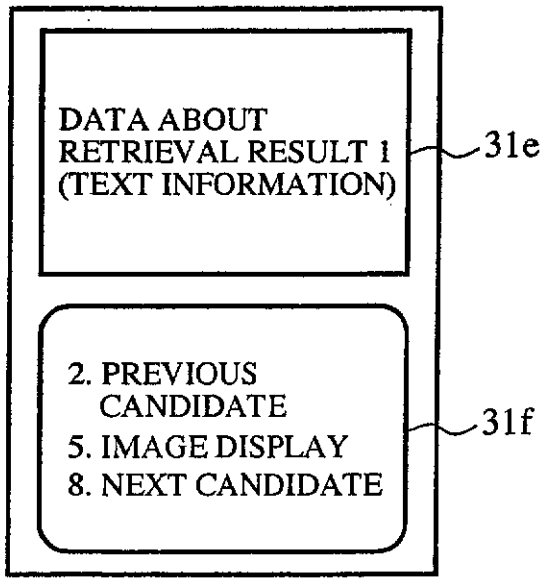


FIG.8

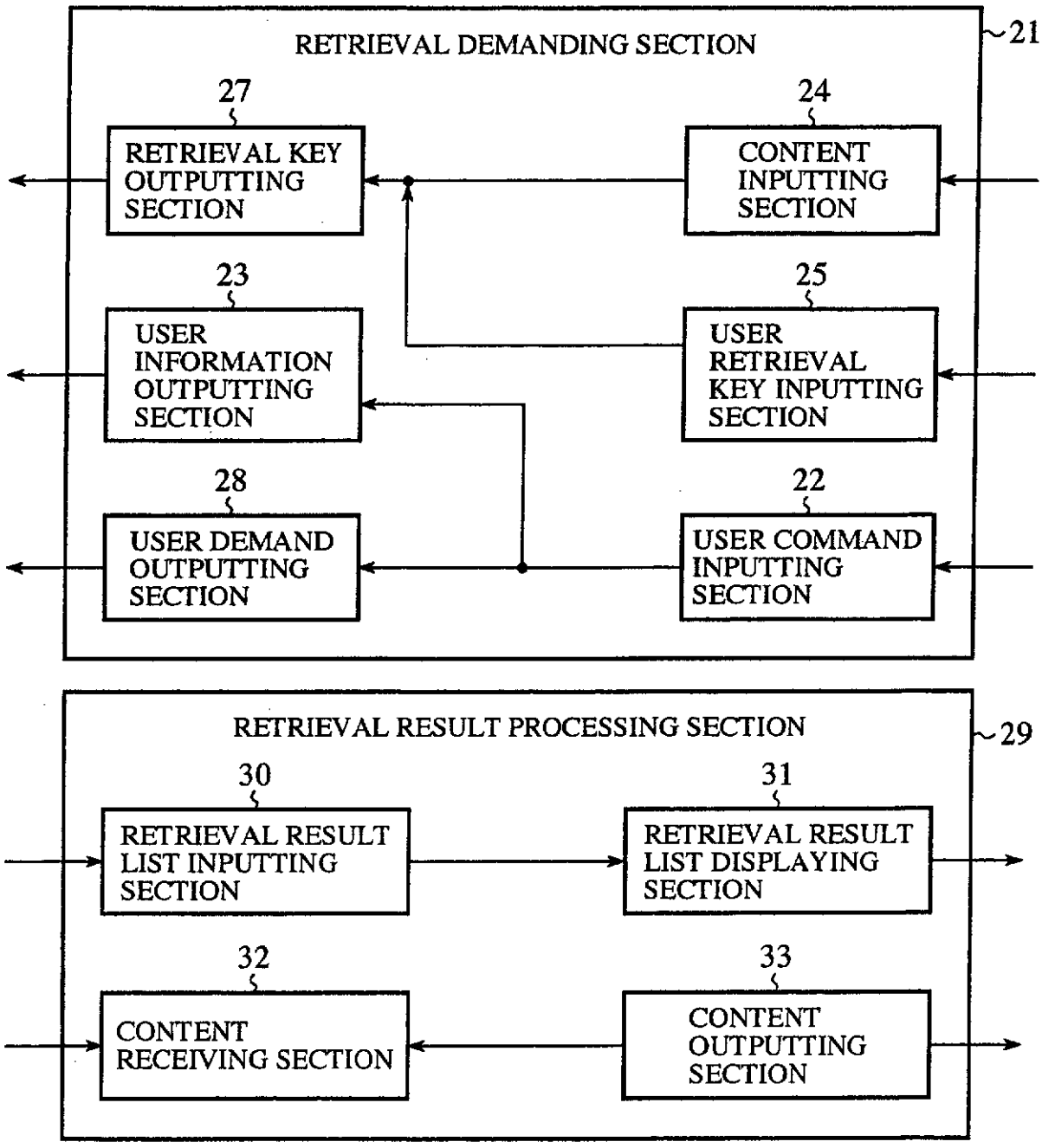

RETRIEVAL DEMANDING SECTION
21
27
RETRIEVAL KEY OUTPUTTING SECTION
24
CONTENT INPUTTING SECTION
23
USER INFORMATION OUTPUTTING SECTION
25
USER RETRIEVAL KEY INPUTTING SECTION
28
USER DEMAND OUTPUTTING SECTION
22
USER COMMAND INPUTTING SECTION
RETRIEVAL RESULT PROCESSING SECTION
29
30
RETRIEVAL RESULT LIST INPUTTING SECTION
31
RETRIEVAL RESULT LIST DISPLAYING SECTION
32
CONTENT RECEIVING SECTION
33
CONTENT OUTPUTTING SECTION

FIG.9

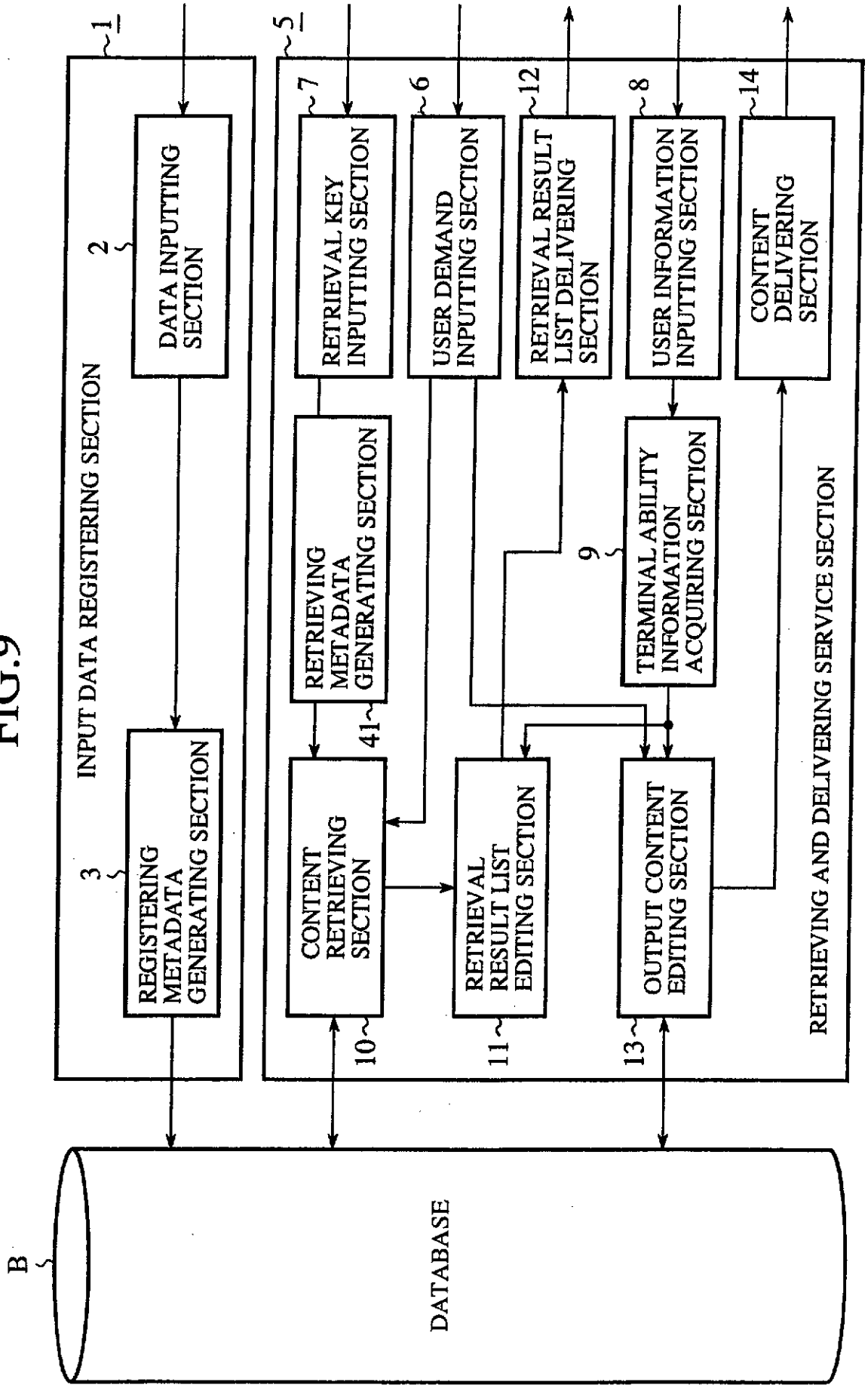

1
INPUT DATA REGISTERING SECTION
2
DATA INPUTTING SECTION
3
REGISTERING METADATA GENERATING SECTION
5
RETRIEVING AND DELIVERING SERVICE SECTION
7
RETRIEVAL KEY INPUTTING SECTION
6
USER DEMAND INPUTTING SECTION
12
RETRIEVAL RESULT LIST DELIVERING SECTION
8
USER INFORMATION INPUTTING SECTION
14
CONTENT DELIVERING SECTION
41
RETRIEVING METADATA GENERATING SECTION
9
TERMINAL ABILITY INFORMATION ACQUIRING SECTION
10
CONTENT RETRIEVING SECTION
11
RETRIEVAL RESULT LIST EDITING SECTION
13
OUTPUT CONTENT EDITING SECTION
B
DATABASE

FIG.10

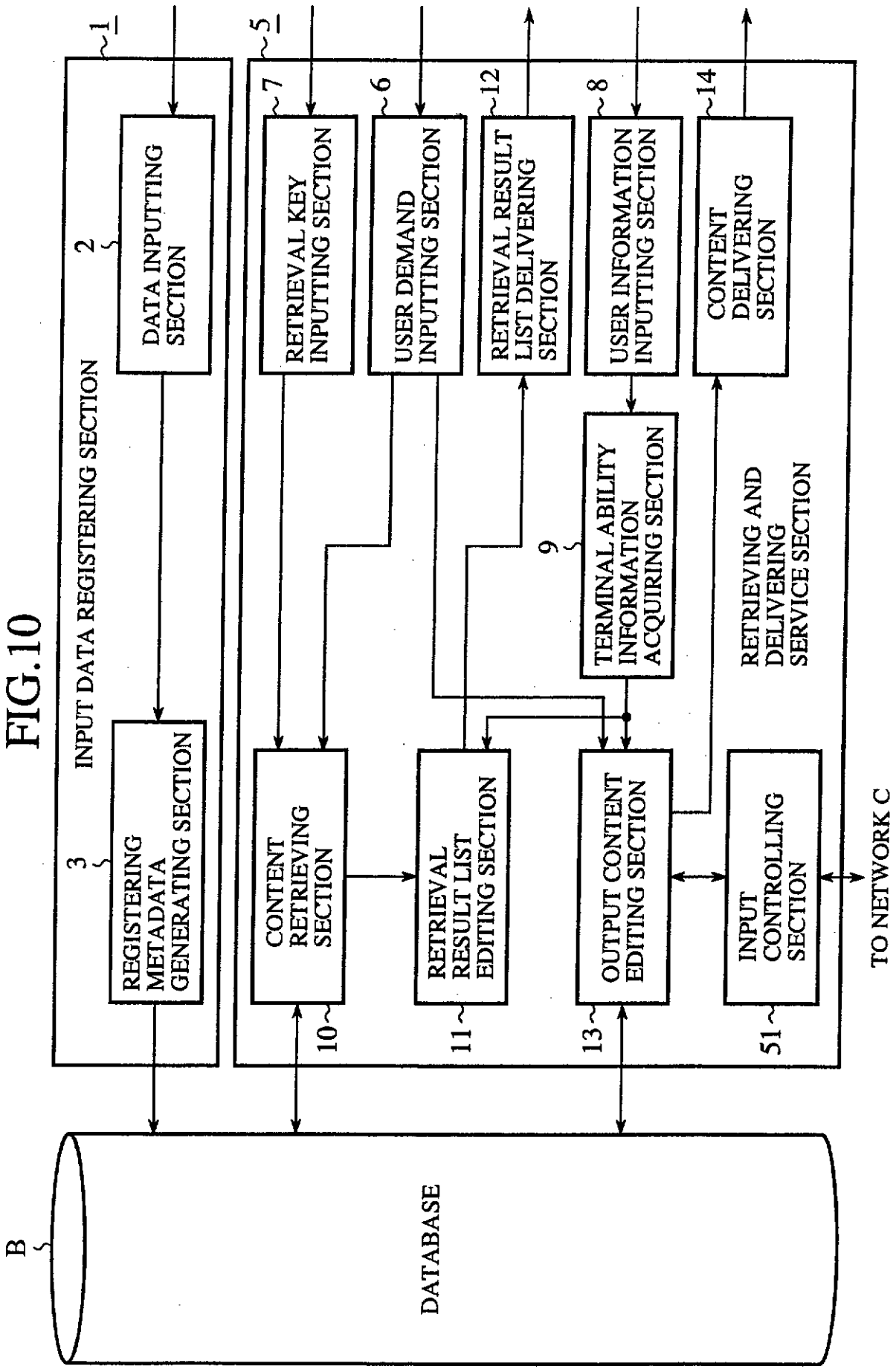

INPUT DATA REGISTERING SECTION
1
DATA INPUTTING SECTION
2
REGISTERING METADATA GENERATING SECTION
3
RETRIEVING AND DELIVERING SERVICE SECTION
5
RETRIEVAL KEY INPUTTING SECTION
7
USER DEMAND INPUTTING SECTION
6
RETRIEVAL RESULT LIST DELIVERING SECTION
12
USER INFORMATION INPUTTING SECTION
8
CONTENT DELIVERING SECTION
14
TERMINAL ABILITY INFORMATION ACQUIRING SECTION
9
CONTENT RETRIEVING SECTION
10
RETRIEVAL RESULT LIST EDITING SECTION
11
OUTPUT CONTENT EDITING SECTION
13
INPUT CONTROLLING SECTION
51
TO NETWORK C
DATABASE
B

FIG.11

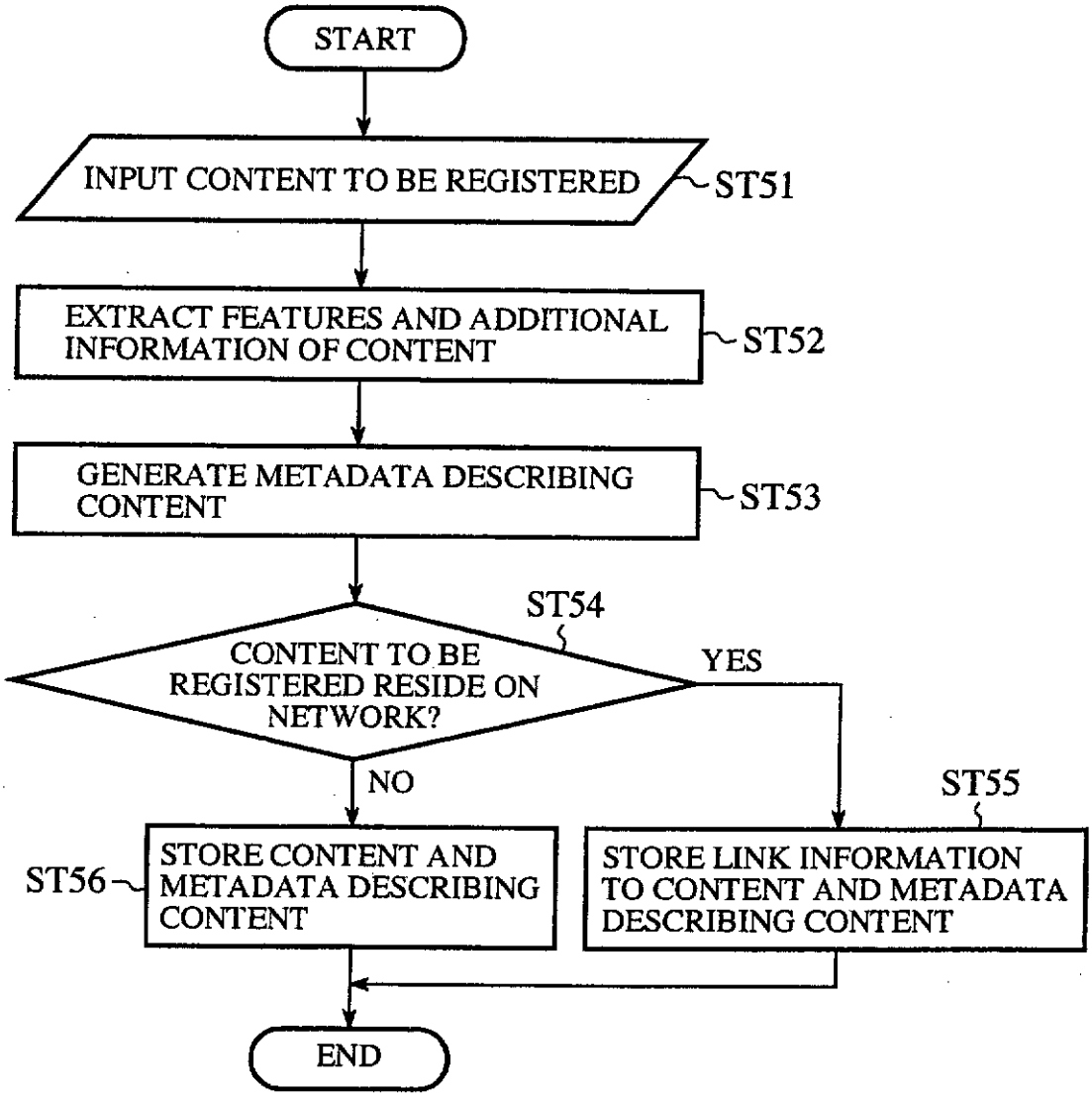
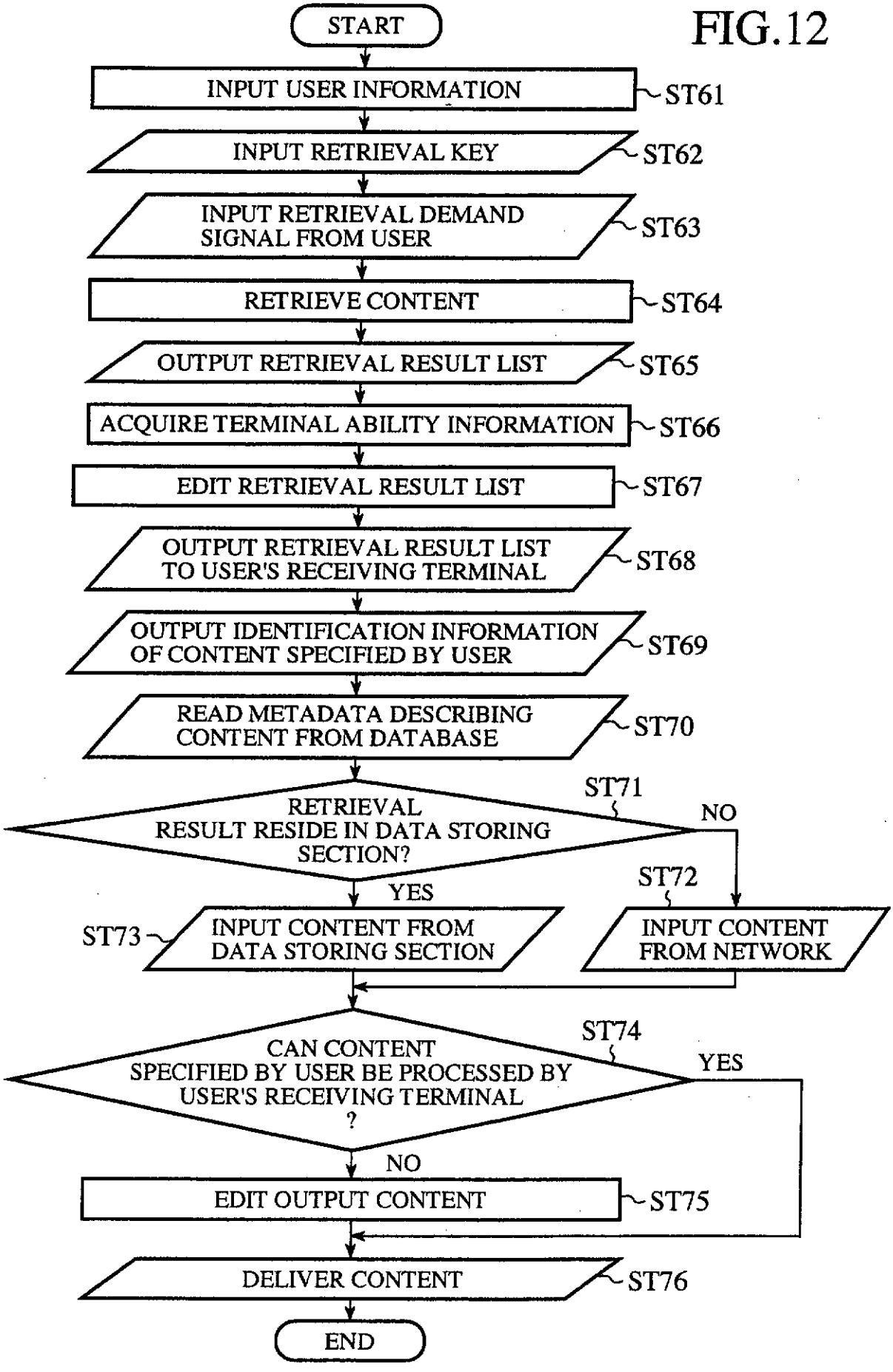

START
INPUT CONTENT TO BE REGISTERED
ST51
EXTRACT FEATURES AND ADDITIONAL INFORMATION OF CONTENT
ST52
GENERATE METADATA DESCRIBING CONTENT
ST53
ST54
CONTENT TO BE REGISTERED RESIDE ON NETWORK?
YES
NO
ST55
ST56
STORE CONTENT AND METADATA DESCRIBING CONTENT
STORE LINK INFORMATION TO CONTENT AND METADATA DESCRIBING CONTENT
END

FIG.12


START
INPUT USER INFORMATION
ST61
INPUT RETRIEVAL KEY
ST62
INPUT RETRIEVAL DEMAND SIGNAL FROM USER
ST63
RETRIEVE CONTENT
ST64
OUTPUT RETRIEVAL RESULT LIST
ST65
ACQUIRE TERMINAL ABILITY INFORMATION
ST66
EDIT RETRIEVAL RESULT LIST
ST67
OUTPUT RETRIEVAL RESULT LIST TO USER'S RECEIVING TERMINAL
ST68
OUTPUT IDENTIFICATION INFORMATION OF CONTENT SPECIFIED BY USER
ST69
READ METADATA DESCRIBING CONTENT FROM DATABASE
ST70
ST71
RETRIEVAL RESULT RESIDE IN DATA STORING SECTION?
NO
YES
ST72
ST73
INPUT CONTENT FROM DATA STORING SECTION
INPUT CONTENT FROM NETWORK
ST74
CAN CONTENT SPECIFIED BY USER BE PROCESSED BY USER'S RECEIVING TERMINAL ?
YES
NO
EDIT OUTPUT CONTENT
ST75
DELIVER CONTENT
ST76
END