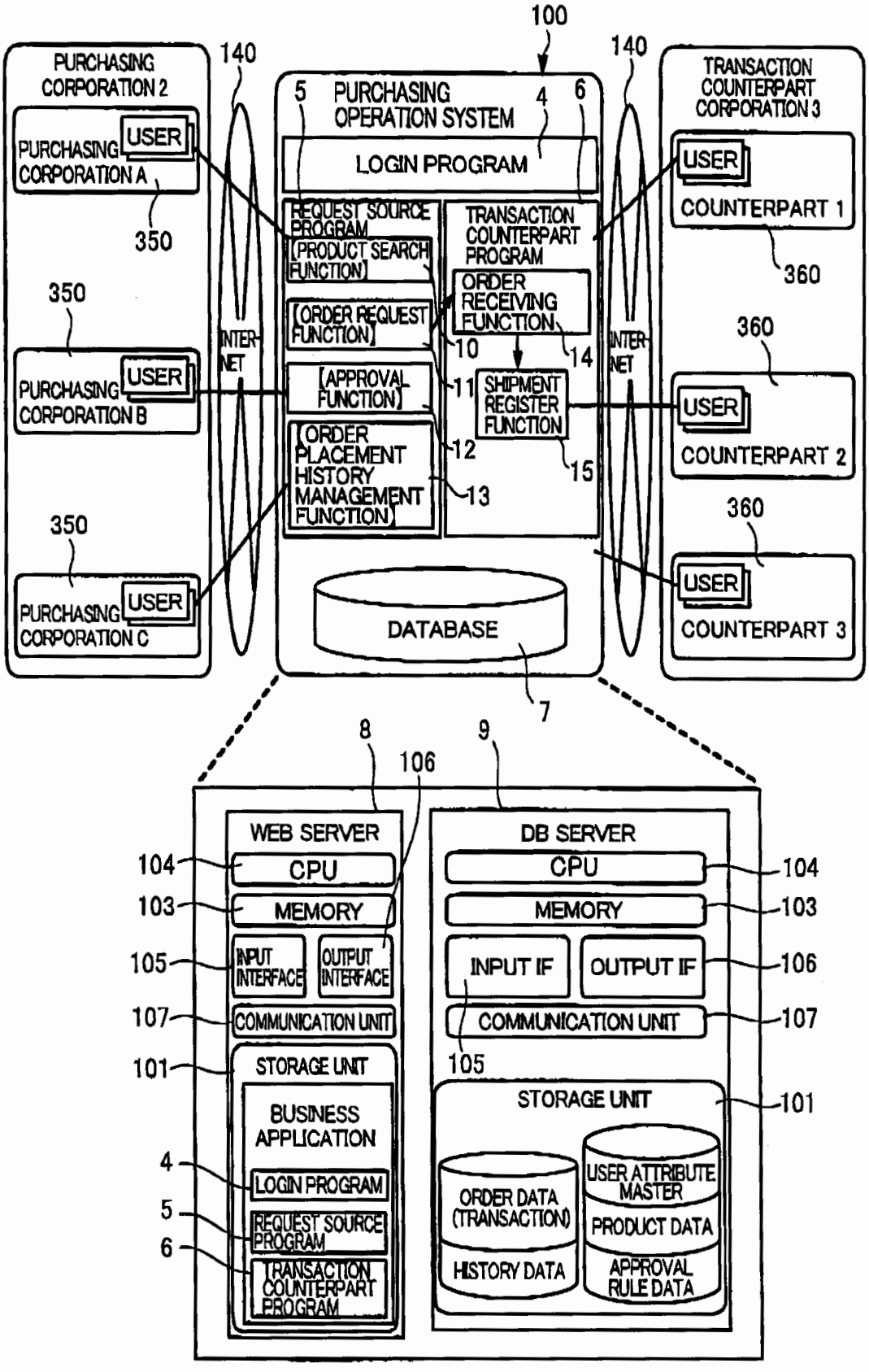

100
PURCHASING CORPORATION 2
PURCHASING CORPORATION A
USER
350
PURCHASING CORPORATION B
USER
350
PURCHASING CORPORATION C
USER
350
140
INTER-NET
5
PURCHASING OPERATION SYSTEM
4
6
LOGIN PROGRAM
REQUEST SOURCE PROGRAM
[PRODUCT SEARCH FUNCTION]
[ORDER REQUEST FUNCTION]
[APPROVAL FUNCTION]
[ORDER PLACEMENT HISTORY MANAGEMENT FUNCTION]
TRANSACTION COUNTERPART PROGRAM
ORDER RECEIVING FUNCTION
SHIPMENT REGISTER FUNCTION
10
11
12
13
14
15
DATABASE
7
140
INTER-NET
TRANSACTION COUNTERPART CORPORATION 3
USER
COUNTERPART 1
360
USER
COUNTERPART 2
360
USER
COUNTERPART 3
360
8
9
106
WEB SERVER
CPU
MEMORY
INPUT INTERFACE
OUTPUT INTERFACE
COMMUNICATION UNIT
STORAGE UNIT
BUSINESS APPLICATION
LOGIN PROGRAM
REQUEST SOURCE PROGRAM
TRANSACTION COUNTERPART PROGRAM
104
103
105
107
101
4
5
6
DB SERVER
CPU
MEMORY
INPUT IF
OUTPUT IF
COMMUNICATION UNIT
105
STORAGE UNIT
ORDER DATA (TRANSACTION)
HISTORY DATA
USER ATTRIBUTE MASTER
PRODUCT DATA
APPROVAL RULE DATA
104
103
106
107
101

FIG. 1

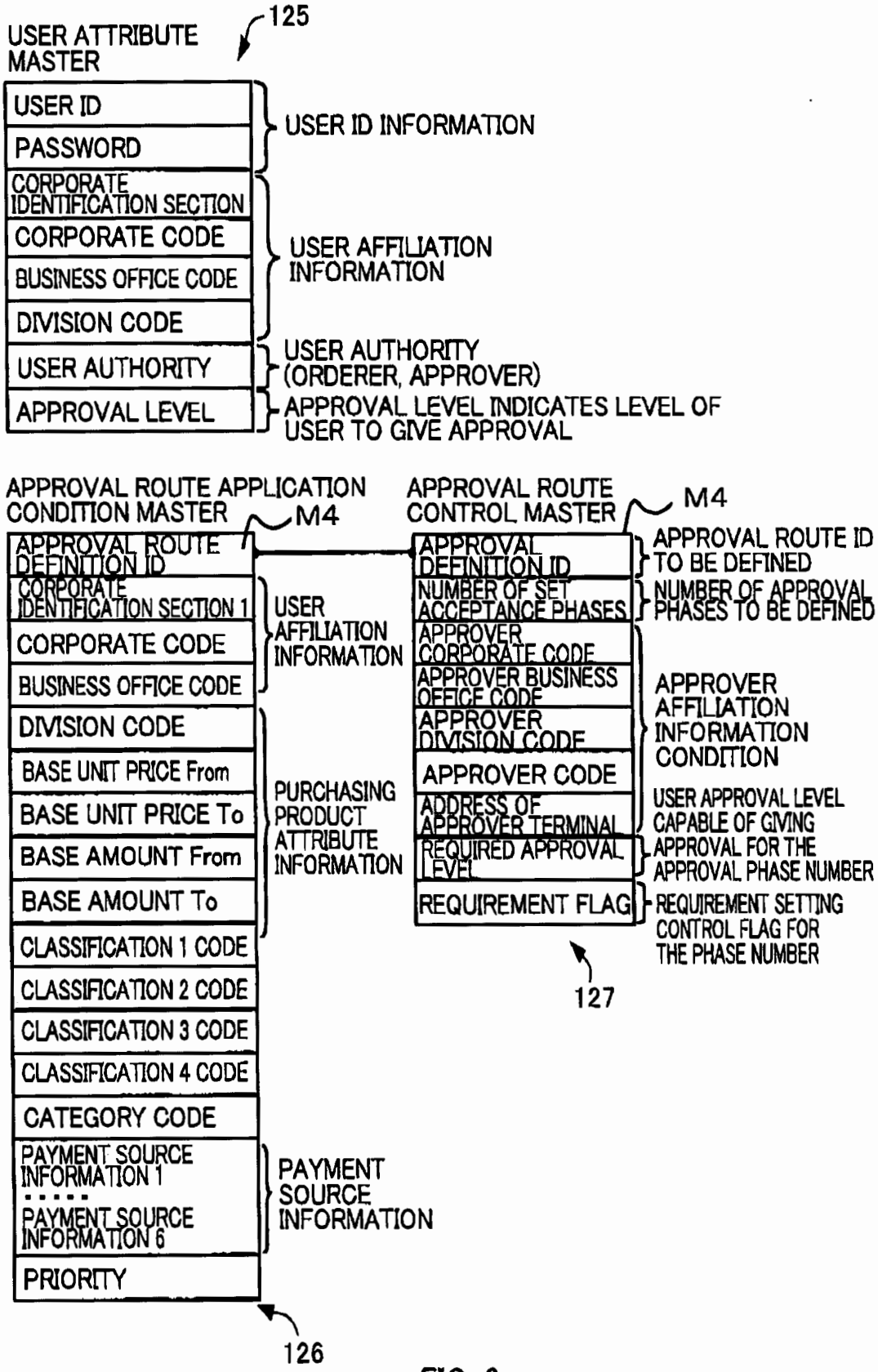

USER ATTRIBUTE MASTER
125
USER ID
PASSWORD
USER ID INFORMATION
CORPORATE IDENTIFICATION SECTION
CORPORATE CODE
BUSINESS OFFICE CODE
DIVISION CODE
USER AFFILIATION INFORMATION
USER AUTHORITY
USER AUTHORITY (ORDERER, APPROVER)
APPROVAL LEVEL
APPROVAL LEVEL INDICATES LEVEL OF USER TO GIVE APPROVAL
APPROVAL ROUTE APPLICATION CONDITION MASTER
M4
APPROVAL ROUTE DEFINITION ID
CORPORATE IDENTIFICATION SECTION 1
CORPORATE CODE
BUSINESS OFFICE CODE
USER AFFILIATION INFORMATION
DIVISION CODE
BASE UNIT PRICE From
BASE UNIT PRICE To
BASE AMOUNT From
BASE AMOUNT To
CLASSIFICATION 1 CODE
CLASSIFICATION 2 CODE
CLASSIFICATION 3 CODE
CLASSIFICATION 4 CODE
CATEGORY CODE
PURCHASING PRODUCT ATTRIBUTE INFORMATION
PAYMENT SOURCE INFORMATION 1
PAYMENT SOURCE INFORMATION 6
PAYMENT SOURCE INFORMATION
PRIORITY
126
APPROVAL ROUTE CONTROL MASTER
M4
APPROVAL DEFINITION ID
APPROVAL ROUTE ID TO BE DEFINED
NUMBER OF SET ACCEPTANCE PHASES
NUMBER OF APPROVAL PHASES TO BE DEFINED
APPROVER CORPORATE CODE
APPROVER BUSINESS OFFICE CODE
APPROVER DIVISION CODE
APPROVER CODE
ADDRESS OF APPROVER TERMINAL
APPROVER AFFILIATION INFORMATION CONDITION
REQUIRED APPROVAL LEVEL
USER APPROVAL LEVEL CAPABLE OF GIVING APPROVAL FOR THE APPROVAL PHASE NUMBER
REQUIREMENT FLAG
REQUIREMENT SETTING CONTROL FLAG FOR THE PHASE NUMBER
127

FIG. 2

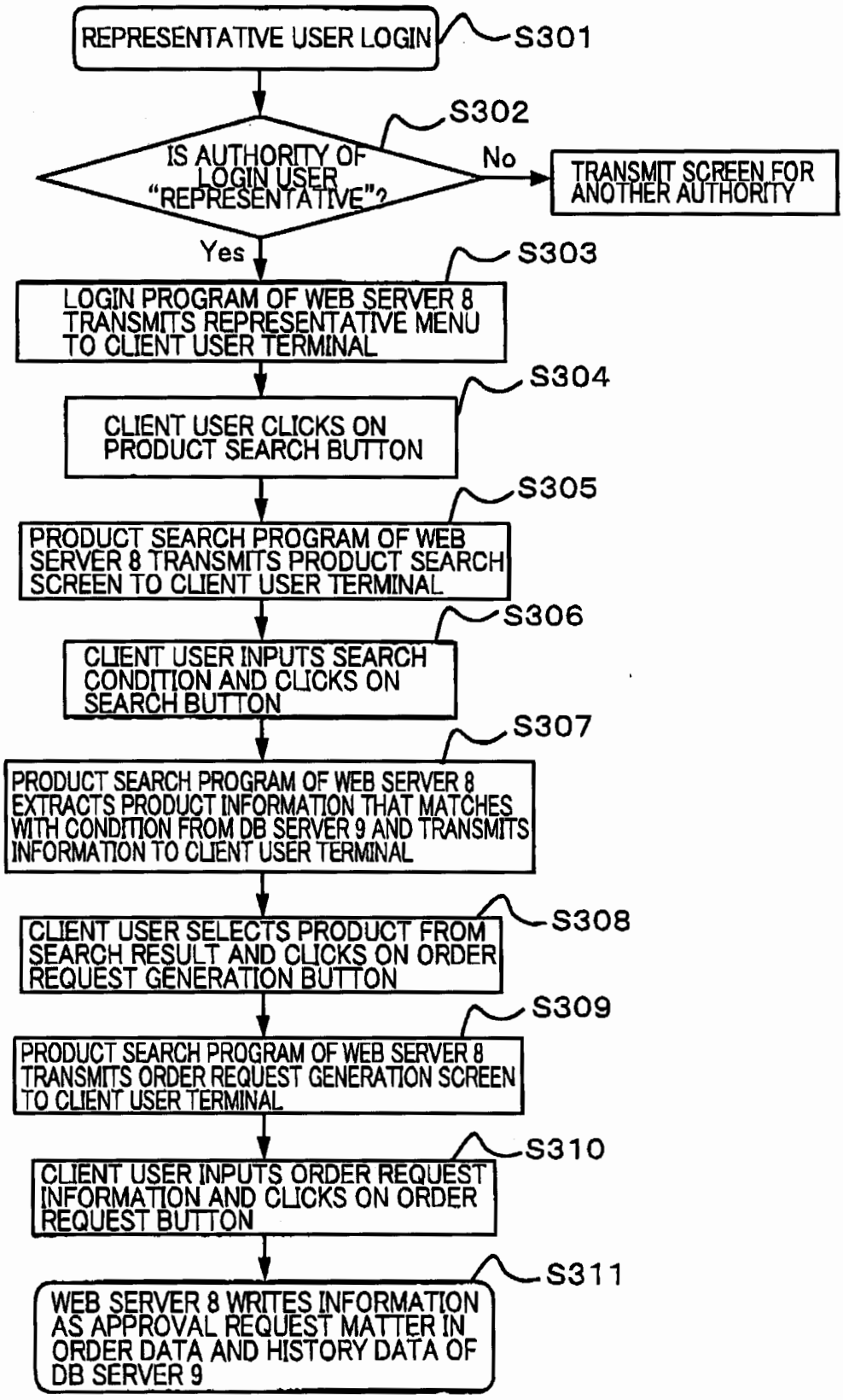

REPRESENTATIVE USER LOGIN
S301
S302
IS AUTHORITY OF LOGIN USER "REPRESENTATIVE"?
No
TRANSMIT SCREEN FOR ANOTHER AUTHORITY
Yes
S303
LOGIN PROGRAM OF WEB SERVER 8 TRANSMITS REPRESENTATIVE MENU TO CLIENT USER TERMINAL
S304
CLIENT USER CLICKS ON PRODUCT SEARCH BUTTON
S305
PRODUCT SEARCH PROGRAM OF WEB SERVER 8 TRANSMITS PRODUCT SEARCH SCREEN TO CLIENT USER TERMINAL
S306
CLIENT USER INPUTS SEARCH CONDITION AND CLICKS ON SEARCH BUTTON
S307
PRODUCT SEARCH PROGRAM OF WEB SERVER 8 EXTRACTS PRODUCT INFORMATION THAT MATCHES WITH CONDITION FROM DB SERVER 9 AND TRANSMITS INFORMATION TO CLIENT USER TERMINAL
S308
CLIENT USER SELECTS PRODUCT FROM SEARCH RESULT AND CLICKS ON ORDER REQUEST GENERATION BUTTON
S309
PRODUCT SEARCH PROGRAM OF WEB SERVER 8 TRANSMITS ORDER REQUEST GENERATION SCREEN TO CLIENT USER TERMINAL
S310
CLIENT USER INPUTS ORDER REQUEST INFORMATION AND CLICKS ON ORDER REQUEST BUTTON
S311
WEB SERVER 8 WRITES INFORMATION AS APPROVAL REQUEST MATTER IN ORDER DATA AND HISTORY DATA OF DB SERVER 9

FIG. 3

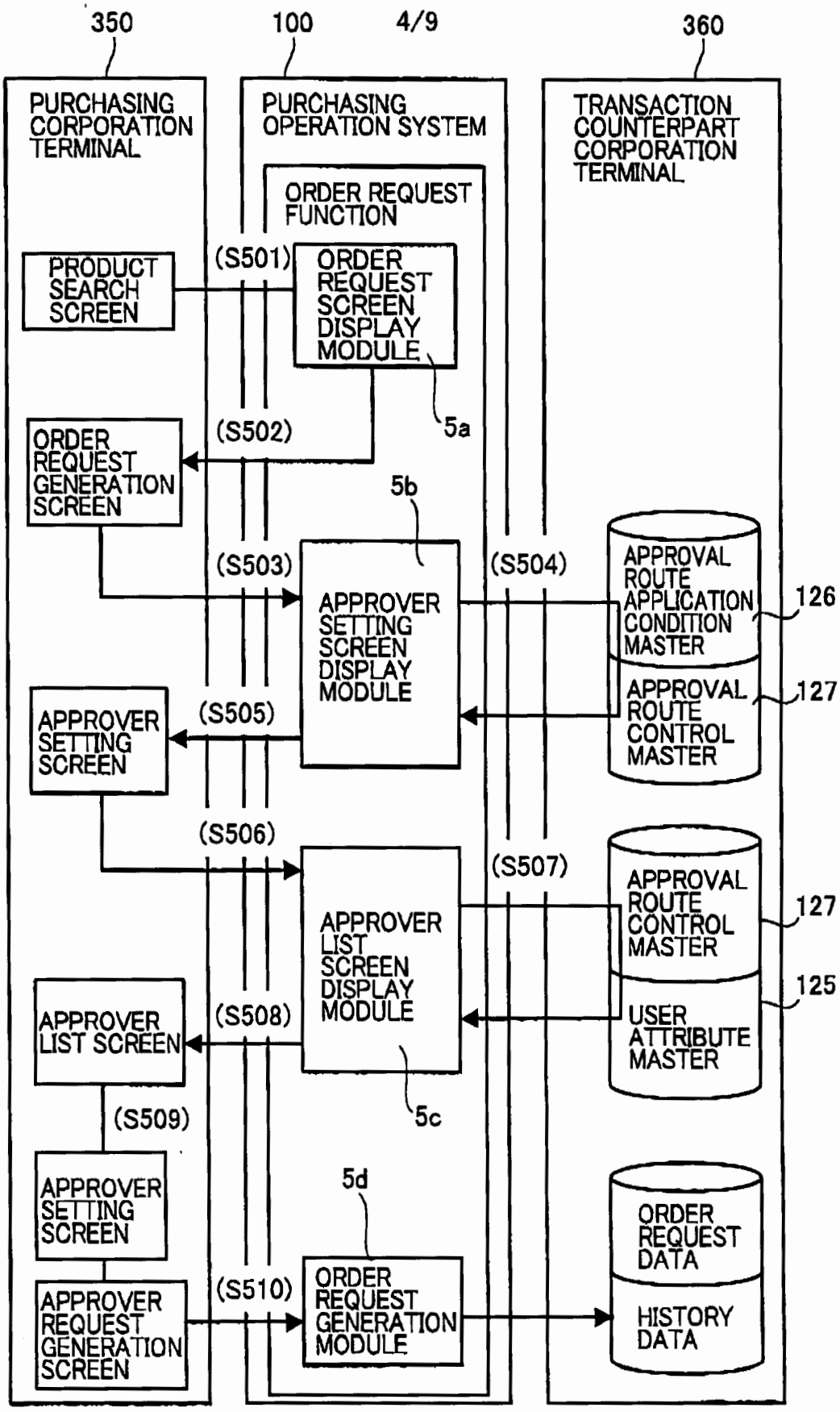

350
100
360
PURCHASING CORPORATION TERMINAL
PURCHASING OPERATION SYSTEM
TRANSACTION COUNTERPART CORPORATION TERMINAL
ORDER REQUEST FUNCTION
PRODUCT SEARCH SCREEN
(S501)
ORDER REQUEST SCREEN DISPLAY MODULE
5a
(S502)
ORDER REQUEST GENERATION SCREEN
5b
(S503)
APPROVER SETTING SCREEN DISPLAY MODULE
(S504)
APPROVAL ROUTE APPLICATION CONDITION MASTER
126
APPROVAL ROUTE CONTROL MASTER
127
APPROVER SETTING SCREEN
(S505)
(S506)
APPROVER LIST SCREEN DISPLAY MODULE
(S507)
APPROVAL ROUTE CONTROL MASTER
127
USER ATTRIBUTE MASTER
125
APPROVER LIST SCREEN
(S508)
5c
(S509)
APPROVER SETTING SCREEN
5d
ORDER REQUEST DATA
HISTORY DATA
APPROVER REQUEST GENERATION SCREEN
(S510)
ORDER REQUEST GENERATION MODULE

FIG. 4

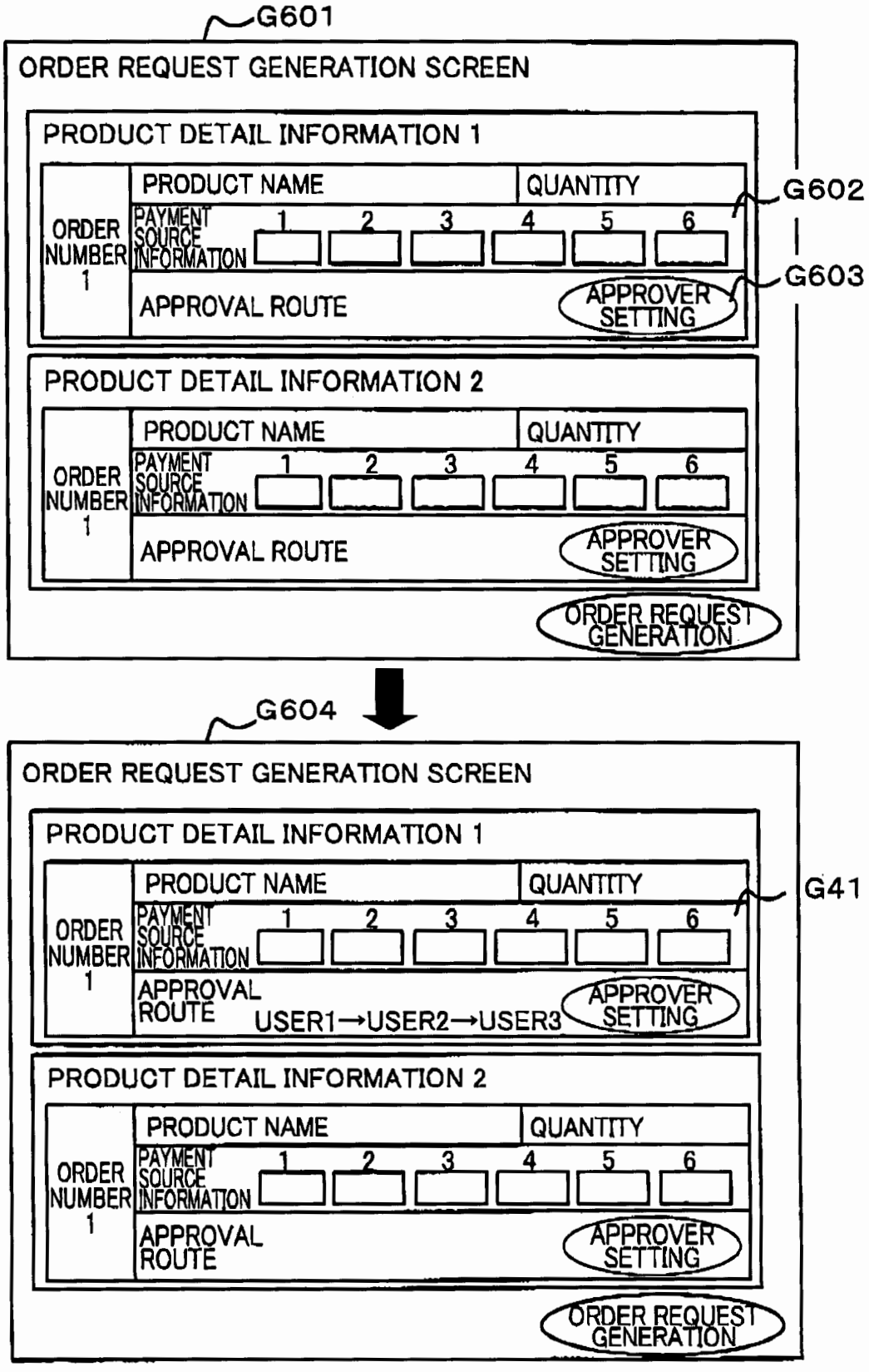

G601
ORDER REQUEST GENERATION SCREEN
PRODUCT DETAIL INFORMATION 1
ORDER NUMBER 1
PRODUCT NAME
QUANTITY
PAYMENT SOURCE INFORMATION
1 2 3 4 5 6
APPROVAL ROUTE
APPROVER SETTING
G602
G603
PRODUCT DETAIL INFORMATION 2
ORDER NUMBER 1
PRODUCT NAME
QUANTITY
PAYMENT SOURCE INFORMATION
1 2 3 4 5 6
APPROVAL ROUTE
APPROVER SETTING
ORDER REQUEST GENERATION
G604
ORDER REQUEST GENERATION SCREEN
PRODUCT DETAIL INFORMATION 1
ORDER NUMBER 1
PRODUCT NAME
QUANTITY
PAYMENT SOURCE INFORMATION
1 2 3 4 5 6
APPROVAL ROUTE
USER1→USER2→USER3
APPROVER SETTING
G41
PRODUCT DETAIL INFORMATION 2
ORDER NUMBER 1
PRODUCT NAME
QUANTITY
PAYMENT SOURCE INFORMATION
1 2 3 4 5 6
APPROVAL ROUTE
APPROVER SETTING
ORDER REQUEST GENERATION

FIG. 5

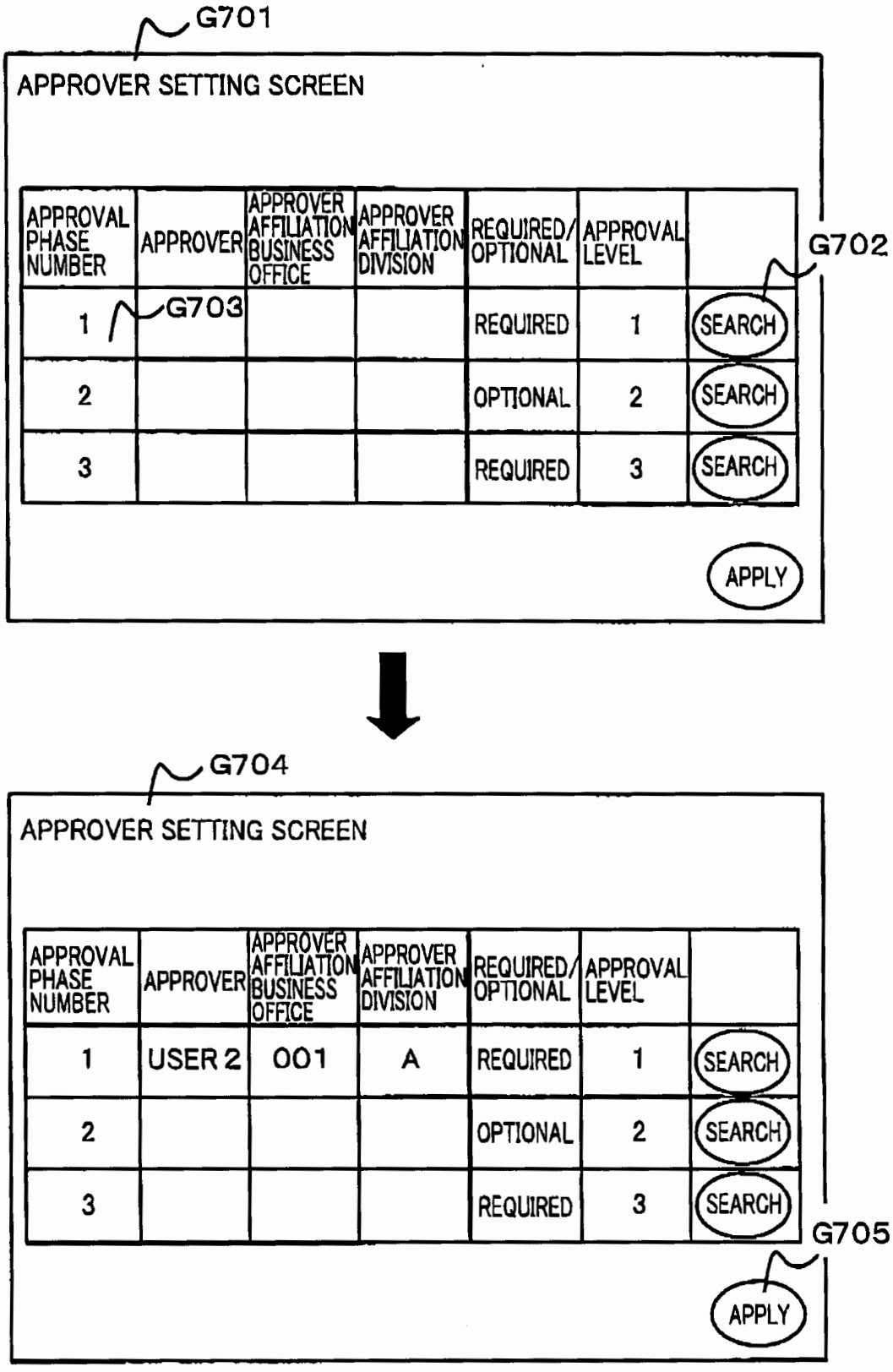

G701
APPROVER SETTING SCREEN
APPROVAL PHASE NUMBER
APPROVER
APPROVER AFFILIATION BUSINESS OFFICE
APPROVER AFFILIATION DIVISION
REQUIRED/ OPTIONAL
APPROVAL LEVEL
G702
G703
1
REQUIRED
1
SEARCH
2
OPTIONAL
2
SEARCH
3
REQUIRED
3
SEARCH
APPLY
G704
APPROVER SETTING SCREEN
APPROVAL PHASE NUMBER
APPROVER
APPROVER AFFILIATION BUSINESS OFFICE
APPROVER AFFILIATION DIVISION
REQUIRED/ OPTIONAL
APPROVAL LEVEL
1
USER 2
001
A
REQUIRED
1
SEARCH
2
OPTIONAL
2
SEARCH
3
REQUIRED
3
SEARCH
G705
APPLY

FIG. 6

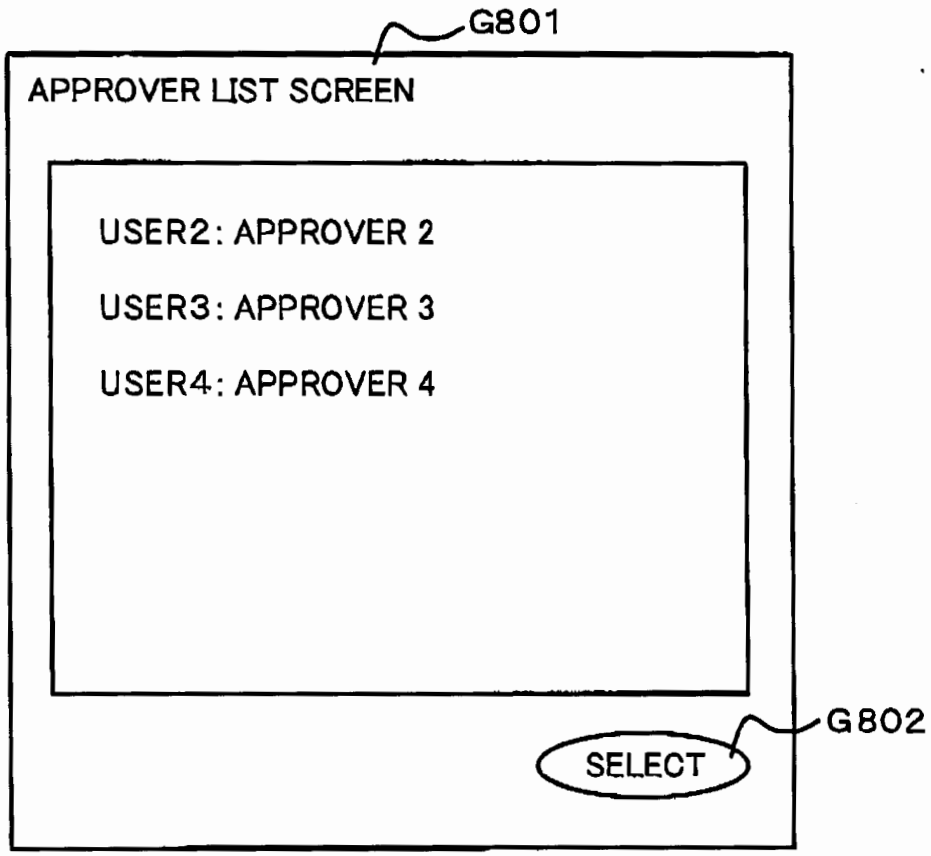

G801
APPROVER LIST SCREEN
USER2: APPROVER 2
USER3: APPROVER 3
USER4: APPROVER 4
G802
SELECT

FIG. 7

USER ATTRIBUTE MASTER

	D901	D902	D903	D904	D905	D906	D907
USER ID	USER1	USER2	USER3	USER4	USER5	USER6	USER7
CORPORATE CODE	K1	K1	K1	K1	K2	K2	K2
BUSINESS OFFICE CODE	001	001	001	001	111	111	111
DIVISION CODE	A	A	A	B	B	B	C
AUTHORITY	CLIENT	CLIENT	APPROVER	APPROVER	CLIENT	APPROVER	APPROVER
APPROVAL LEVEL	0	1	1	2	0	1	2

125

APPROVAL ROUTE APPLICATION CONDITION MASTER

	D911	D912	D913
APPROVAL ROUTE DEFINITION ID	WF1	WF2	WF3
CORPORATE CODE	K1	K1	K2
BUSINESS OFFICE CODE	001	001	-
DIVISION CODE	A	A	-
BASE UNIT PRICE From	-	10,000	-
BASE UNIT PRICE To		-	
⋮			
PRIORITY	2	1	1

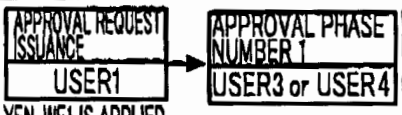
126

APPROVAL ROUTE CONTROL MASTER

	D921	D922	D923	D924	D925
APPROVAL ROUTE DEFINITION ID	WF1	WF2	WF2	WF3	WF3
NUMBER OF SET ACCEPTANCE PHASES	1	1	2	1	2
APPROVER CORPORATE CODE	K1	K1	K1	K2	K2
APPROVER BUSINESS OFFICE CODE	001	001	001	111	111
APPROVER DIVISION CODE	-	-	B	B	C
REQUIRED APPROVAL LEVEL	1	1	2	1	2
REQUIREMENT FLAG	REQUIRED	REQUIRED	REQUIRED	REQUIRED	OPTIONAL
⋮	⋮	⋮	⋮	⋮	⋮

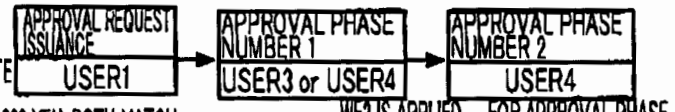
127

EXAMPLE 1) IN A CASE WHERE USER 1 ISSUES AN APPROVAL REQUEST FOR A PRODUCT PRICED AT 100 YEN, WF1 AND WF2 DEFINED FOR CORPORATE CODE, K1 ARE EXTRACTED. SINCE THE PRICE OF PURCHASING PRODUCT IS 100 YEN, WF1 IS APPLIED.



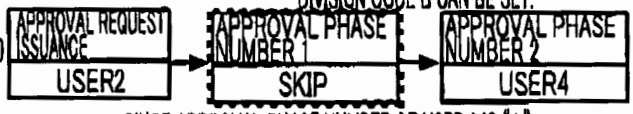
WF1 IS APPLIED. FOR APPROVAL PHASE NUMBER 1, APPROVER HAVING APPROVAL LEVEL 1 OR HIGHER CAN BE SET.

EXAMPLE 2) IN A CASE WHERE USER 1 ISSUES AN APPROVAL REQUEST FOR A PRODUCT PRICED AT 20,000 YEN, WF1 AND WF2 DEFINED FOR CORPORATE CODE, K1 ARE EXTRACTED. SINCE THE PRICE OF PURCHASING PRODUCT IS 20,000 YEN, BOTH MATCH APPLICATION CONDITIONS. HOWEVER, WF2 HAVING A HIGHER PRIORITY THAN THAT OF WF1 IS APPLIED.



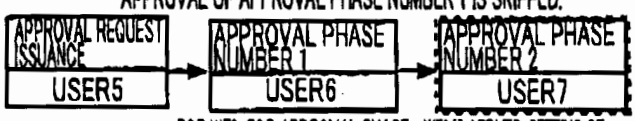
WF2 IS APPLIED. FOR APPROVAL PHASE NUMBER 2, APPROVER HAVING APPROVAL LEVEL 2 OR HIGHER AND ALSO HAVING DIVISION CODE B CAN BE SET.

EXAMPLE 3) IN A CASE WHERE USER 2 ISSUES AN APPROVAL REQUEST FOR A PRODUCT PRICED AT 20,000 YEN, WF1 AND WF2 DEFINED FOR CORPORATE CODE, K1 ARE EXTRACTED. SINCE THE PRICE OF PURCHASING PRODUCT IS 20,000 YEN, WF2 IS APPLIED.



SINCE APPROVAL PHASE NUMBER OF USER 2 IS "1" APPROVAL OF APPROVAL PHASE NUMBER 1 IS SKIPPED.

EXAMPLE 4) IN A CASE WHERE USER 5 ISSUES AN APPROVAL REQUEST, WF3 DEFINED FOR CORPORATE CODE, K2 IS APPLIED.



FOR WF3, FOR APPROVAL PHASE NUMBER 1, APPROVER HAVING APPROVAL LEVEL 1 OR HIGHER CAN BE SET.

WF3 IS APPLIED. SETTING OF APPROVAL PHASE NUMBER 2 IS OPTIONAL. IF SET, FOR APPROVAL PHASE NUMBER 2, APPROVER HAVING APPROVAL LEVEL 2 OR HIGHER CAN BE SET.

FIG. 8

USER ATTRIBUTE MASTER

	G1001	G1002	G1003
USER ID	USER8	USER9	USER10
CORPORATE CODE	K3	K3	K3
BUSINESS OFFICE CODE	001	001	002
DIVISION CODE	A	A	B
AUTHORITY	CLIENT	APPROVER	APPROVER
APPROVAL LEVEL	0	1	1

125

APPROVAL ROUTE APPLICATION CONDITION MASTER

APPROVAL ROUTE DEFINITION ID	D1011 WF4	D1012 WF5
CORPORATE CODE	K3	@
BUSINESS OFFICE CODE	001	@
DIVISION CODE	A	@
BASE UNIT PRICE From	10,000	—
BASE UNIT PRICE To	—	—
⋮		
PRIORITY	⋮	⋮

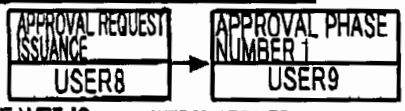
126

APPROVAL ROUTE CONTROL MASTER

APPROVAL ROUTE DEFINITION ID	D1021 WF4	D1022 WF4	D1023 WF5
NUMBER OF SET ACCEPTANCE PHASES	1	2	1
APPROVER CORPORATE CODE	K3	K3	@
APPROVER BUSINESS OFFICE CODE	001	001	@
APPROVER DIVISION CODE	—	B	@
REQUIRED APPROVAL LEVEL	1	2	1
REQUIREMENT FLAG	REQUIRED	REQUIRED	REQUIRED
⋮	⋮	⋮	⋮

127

EXAMPLE 5) IN A CASE WHERE USER 8 ISSUES AN APPROVAL REQUEST FOR A PRODUCT PRICED AT 100 YEN, WF4 DEFINED FOR CORPORATE CODE, K3, IS EXTRACTED, AND WF5 IS EXTRACTED AFTER "@" OF WF5 IS REPLACED WITH AFFILIATION INFORMATION ON USER 8. SINCE THE PRICE OF PURCHASING PRODUCT IS 100 YEN, WF5 IS APPLIED.



WF5 IS APPLIED. SINCE "@" OF WORK FLOW CONTROL MASTER IS REPLACED WITH INFORMATION ON USER 8, ONLY USER 9 CAN BE SPECIFIED AS APPROVER FOR APPROVAL PHASE NUMBER 1.

FIG. 9