FIG.1

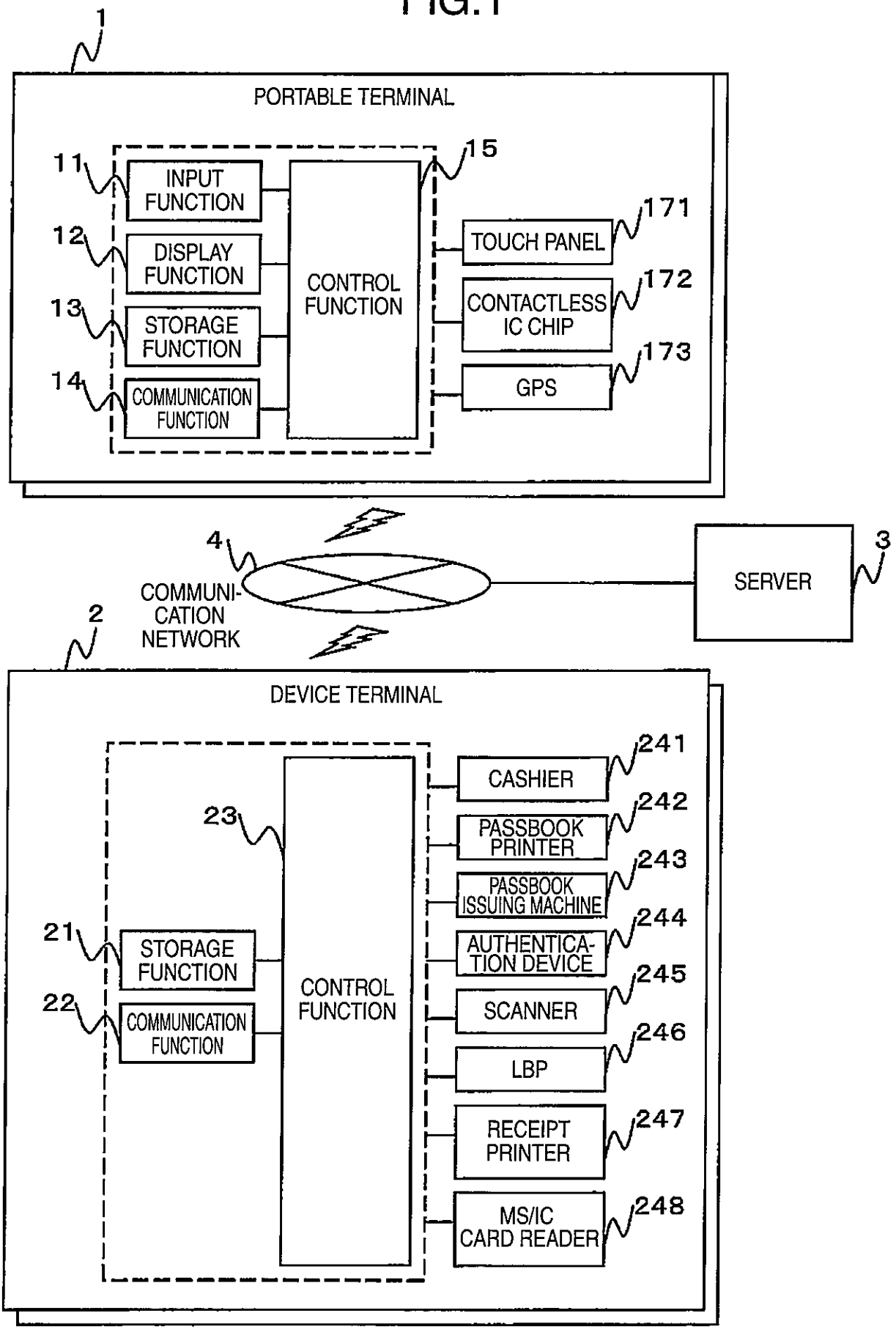

1
PORTABLE TERMINAL
11
INPUT FUNCTION
12
DISPLAY FUNCTION
13
STORAGE FUNCTION
14
COMMUNICATION FUNCTION
15
CONTROL FUNCTION
171
TOUCH PANEL
172
CONTACTLESS IC CHIP
173
GPS
4
COMMUNI-CATION NETWORK
2
3
SERVER
DEVICE TERMINAL
21
STORAGE FUNCTION
22
COMMUNICATION FUNCTION
23
CONTROL FUNCTION
241
CASHIER
242
PASSBOOK PRINTER
243
PASSBOOK ISSUING MACHINE
244
AUTHENTICA-TION DEVICE
245
SCANNER
246
LBP
247
RECEIPT PRINTER
248
MS/IC CARD READER

FIG.2

131

PREPROCESSING DECISION INFORMATION	
1311	1312
TRANSACTION NAME	TRANSACTION STATE
TIME DEPOSIT MATURITY	DETERMINED REFUND (OR PAY BACK)
TIME DEPOSIT ACCOUNT OPENING	DETERMINED PASSBOOK ISSUANCE
ADDRESS CHANGE	CHANGE FORM PRINTING
...	...

FIG.3

132

PREPROCESSING MANAGEMENT INFORMATION		
1321	1322	1323
PORTABLE TERMINAL ID	DEVICE TERMINAL ID	RECEIPT NUMBER
P001	D01	101

FIG.4

211

TRANSACTION CONDITION DECISION INFORMATION

2111 TRANSACTION CONDITION NUMBER	2112 TRANSACTION NAME	2113 TRANSACTION STATE	2114 PROCESSING TYPE	2115 DEVICE TO BE USED	2116 OCCUPANCY SCOPE	2117 DEVICE PROCESSING FLOW NAME
1	TIME DEPOSIT MATURITY	DETERMINED REFUND	PREPROCESSING	CASHIER	WHOLE TERMINAL	WITHDRAWAL PREPROCESSING FLOW
2	TIME DEPOSIT MATURITY	CASH DISCHARGE	DEVICE OPERATION PROCESSING	CASHIER, RECEIPT PRINTER	WHOLE TERMINAL	WITHDRAWAL OPERATION PROCESSING FLOW
3	TIME DEPOSIT MATURITY	CASH DISCHARGE	ORDINARY PROCESSING	CASHIER, RECEIPT PRINTER	WHOLE TERMINAL	WITHDRAWAL ORDINARY PROCESSING FLOW
4	TIME DEPOSIT ACCOUNT OPENING	DETERMINED PASSBOOK ISSUANCE	PREPROCESSING	PASSBOOK ISSUING MACHINE	PASSBOOK ISSUING MACHINE	PASSBOOK ISSUE PREPROCESSING FLOW
5	TIME DEPOSIT ACCOUNT OPENING	PASSBOOK DISCHARGE	DEVICE OPERATION PROCESSING	PASSBOOK ISSUING MACHINE	PASSBOOK ISSUING MACHINE	PASSBOOK DISCHARGE OPERATION PROCESSING FLOW
6	TIME DEPOSIT ACCOUNT OPENING	PASSBOOK DISCHARGE	ORDINARY PROCESSING	PASSBOOK ISSUING MACHINE	PASSBOOK ISSUING MACHINE	PASSBOOK DISCHARGE ORDINARY PROCESSING FLOW
7	ADDRESS CHANGE	CHANGE FORM PRINTING	PREPROCESSING	LBP	LBP	CHANGE FORM PRINTING PREPROCESSING FLOW
...	...	...	...	...	...	...

FIG.5

212

OCCUPANCY CONDITION MANAGEMENT INFORMATION

2121 RECEIPT NUMBER	2122 PORTABLE TERMINAL ID	2123 TRANSACTION STATE NUMBER
101	P001	1

FIG.6

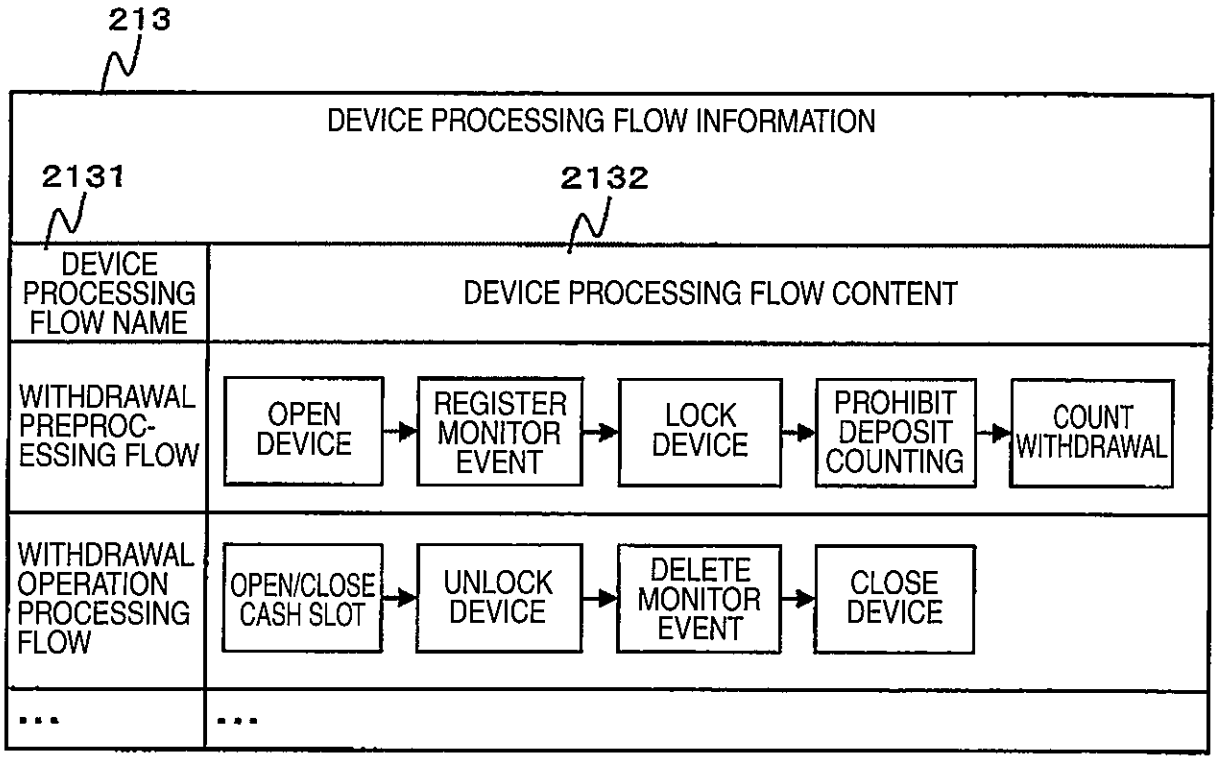

213
DEVICE PROCESSING FLOW INFORMATION
2131
2132
DEVICE PROCESSING FLOW NAME
DEVICE PROCESSING FLOW CONTENT
WITHDRAWAL PREPROC-ESSING FLOW
OPEN DEVICE
REGISTER MONITOR EVENT
LOCK DEVICE
PROHIBIT DEPOSIT COUNTING
COUNT WITHDRAWAL
WITHDRAWAL OPERATION PROCESSING FLOW
OPEN/CLOSE CASH SLOT
UNLOCK DEVICE
DELETE MONITOR EVENT
CLOSE DEVICE
...
...

FIG.7

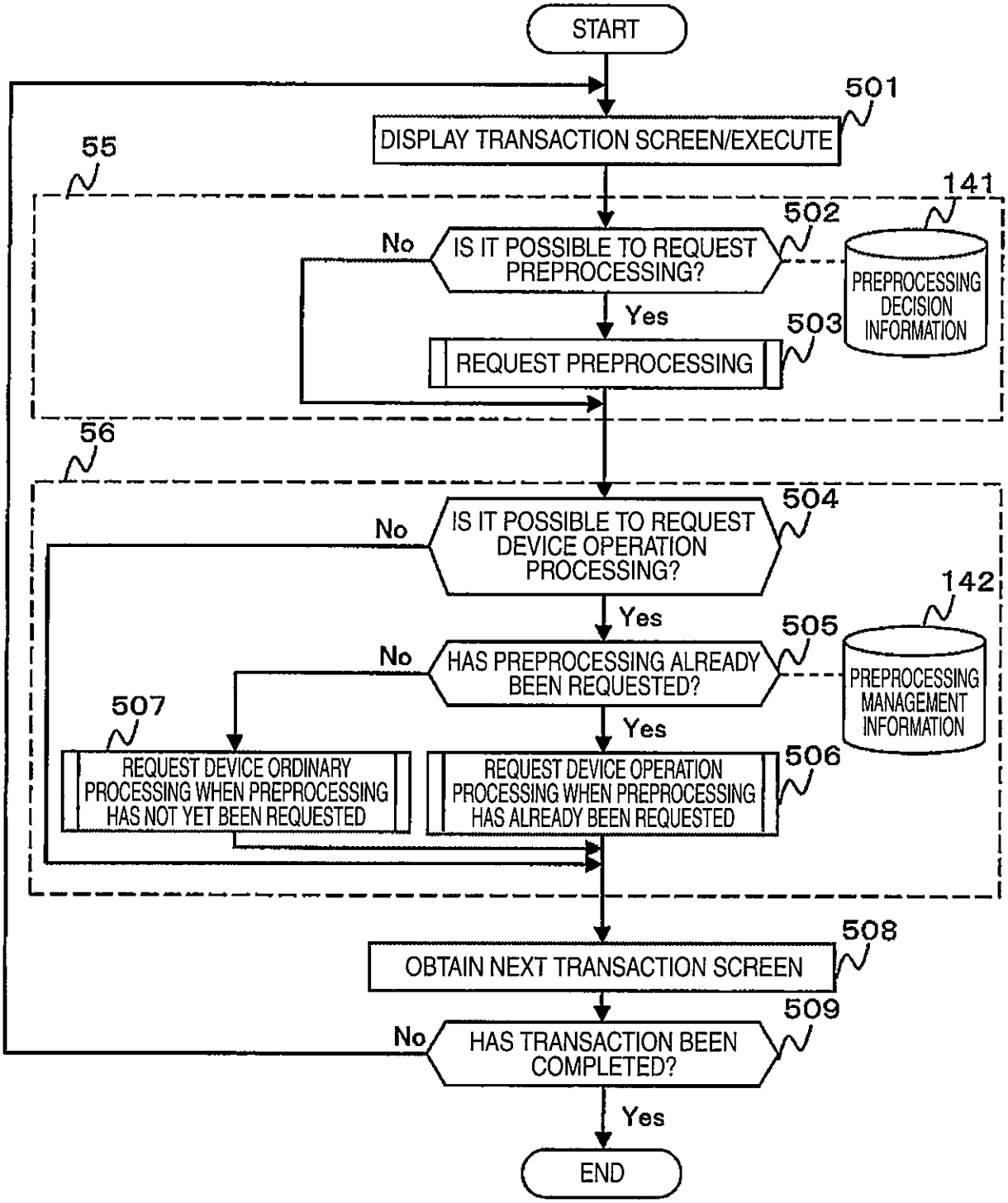

START
501
DISPLAY TRANSACTION SCREEN/EXECUTE
55
141
502
No
IS IT POSSIBLE TO REQUEST PREPROCESSING?
PREPROCESSING DECISION INFORMATION
Yes
503
REQUEST PREPROCESSING
56
504
No
IS IT POSSIBLE TO REQUEST DEVICE OPERATION PROCESSING?
142
Yes
505
No
HAS PREPROCESSING ALREADY BEEN REQUESTED?
PREPROCESSING MANAGEMENT INFORMATION
507
Yes
REQUEST DEVICE ORDINARY PROCESSING WHEN PREPROCESSING HAS NOT YET BEEN REQUESTED
REQUEST DEVICE OPERATION PROCESSING WHEN PREPROCESSING HAS ALREADY BEEN REQUESTED
506
508
OBTAIN NEXT TRANSACTION SCREEN
509
No
HAS TRANSACTION BEEN COMPLETED?
Yes
END

FIG.8

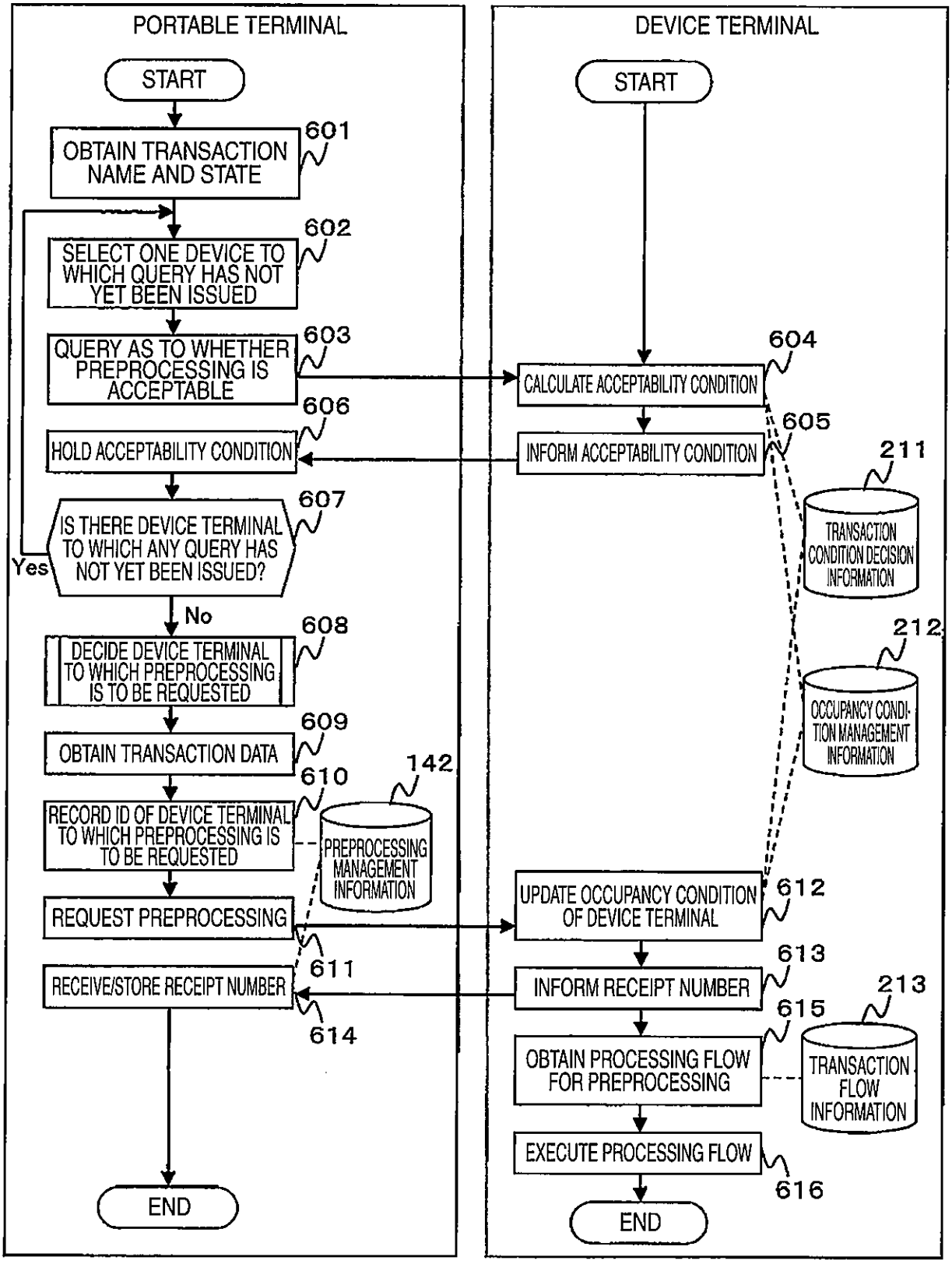

PORTABLE TERMINAL
DEVICE TERMINAL
START
START
OBTAIN TRANSACTION NAME AND STATE
601
SELECT ONE DEVICE TO WHICH QUERY HAS NOT YET BEEN ISSUED
602
QUERY AS TO WHETHER PREPROCESSING IS ACCEPTABLE
603
CALCULATE ACCEPTABILITY CONDITION
604
INFORM ACCEPTABILITY CONDITION
605
HOLD ACCEPTABILITY CONDITION
606
IS THERE DEVICE TERMINAL TO WHICH ANY QUERY HAS NOT YET BEEN ISSUED?
607
Yes
No
DECIDE DEVICE TERMINAL TO WHICH PREPROCESSING IS TO BE REQUESTED
608
OBTAIN TRANSACTION DATA
609
RECORD ID OF DEVICE TERMINAL TO WHICH PREPROCESSING IS TO BE REQUESTED
610
142
PREPROCESSING MANAGEMENT INFORMATION
REQUEST PREPROCESSING
611
RECEIVE/STORE RECEIPT NUMBER
614
END
211
TRANSACTION CONDITION DECISION INFORMATION
212
OCCUPANCY CONDITION MANAGEMENT INFORMATION
UPDATE OCCUPANCY CONDITION OF DEVICE TERMINAL
612
INFORM RECEIPT NUMBER
613
213
OBTAIN PROCESSING FLOW FOR PREPROCESSING
615
TRANSACTION FLOW INFORMATION
EXECUTE PROCESSING FLOW
616
END

FIG.9

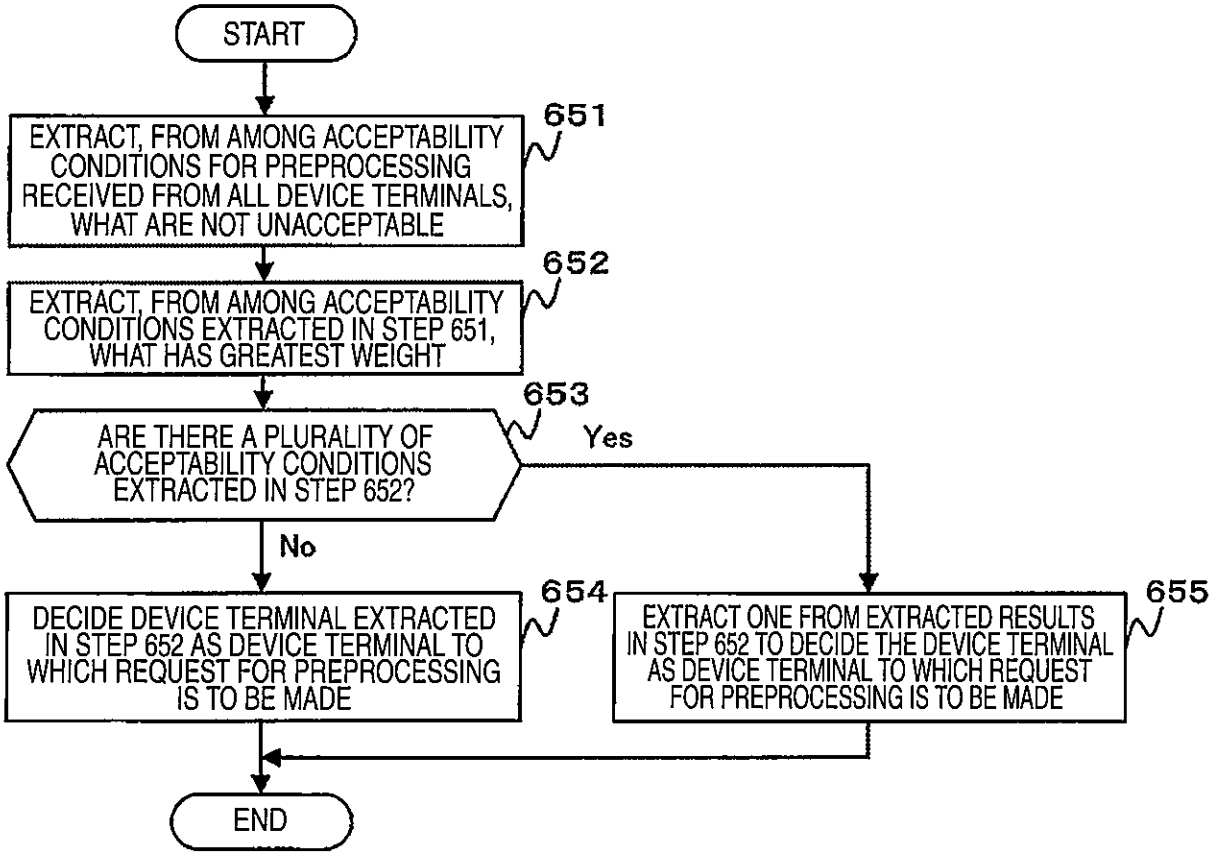
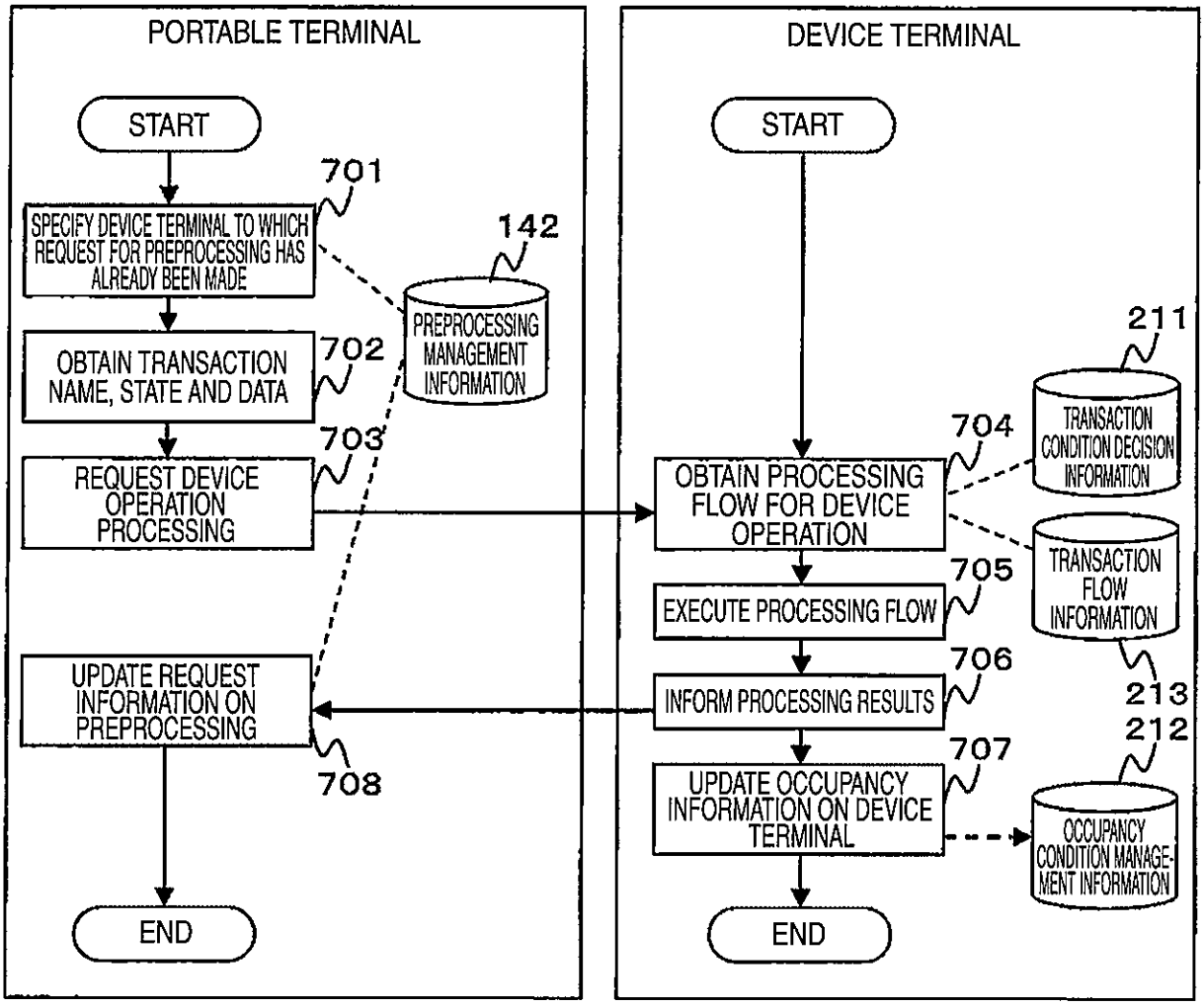

START
EXTRACT, FROM AMONG ACCEPTABILITY CONDITIONS FOR PREPROCESSING RECEIVED FROM ALL DEVICE TERMINALS, WHAT ARE NOT UNACCEPTABLE
651
EXTRACT, FROM AMONG ACCEPTABILITY CONDITIONS EXTRACTED IN STEP 651, WHAT HAS GREATEST WEIGHT
652
ARE THERE A PLURALITY OF ACCEPTABILITY CONDITIONS EXTRACTED IN STEP 652?
653
Yes
No
DECIDE DEVICE TERMINAL EXTRACTED IN STEP 652 AS DEVICE TERMINAL TO WHICH REQUEST FOR PREPROCESSING IS TO BE MADE
654
EXTRACT ONE FROM EXTRACTED RESULTS IN STEP 652 TO DECIDE THE DEVICE TERMINAL AS DEVICE TERMINAL TO WHICH REQUEST FOR PREPROCESSING IS TO BE MADE
655
END

FIG.10


PORTABLE TERMINAL
START
701
SPECIFY DEVICE TERMINAL TO WHICH REQUEST FOR PREPROCESSING HAS ALREADY BEEN MADE
142
PREPROCESSING MANAGEMENT INFORMATION
702
OBTAIN TRANSACTION NAME, STATE AND DATA
703
REQUEST DEVICE OPERATION PROCESSING
UPDATE REQUEST INFORMATION ON PREPROCESSING
708
END
DEVICE TERMINAL
START
211
TRANSACTION CONDITION DECISION INFORMATION
704
OBTAIN PROCESSING FLOW FOR DEVICE OPERATION
TRANSACTION FLOW INFORMATION
705
EXECUTE PROCESSING FLOW
213
706
INFORM PROCESSING RESULTS
212
707
UPDATE OCCUPANCY INFORMATION ON DEVICE TERMINAL
OCCUPANCY CONDITION MANAGEMENT INFORMATION
END