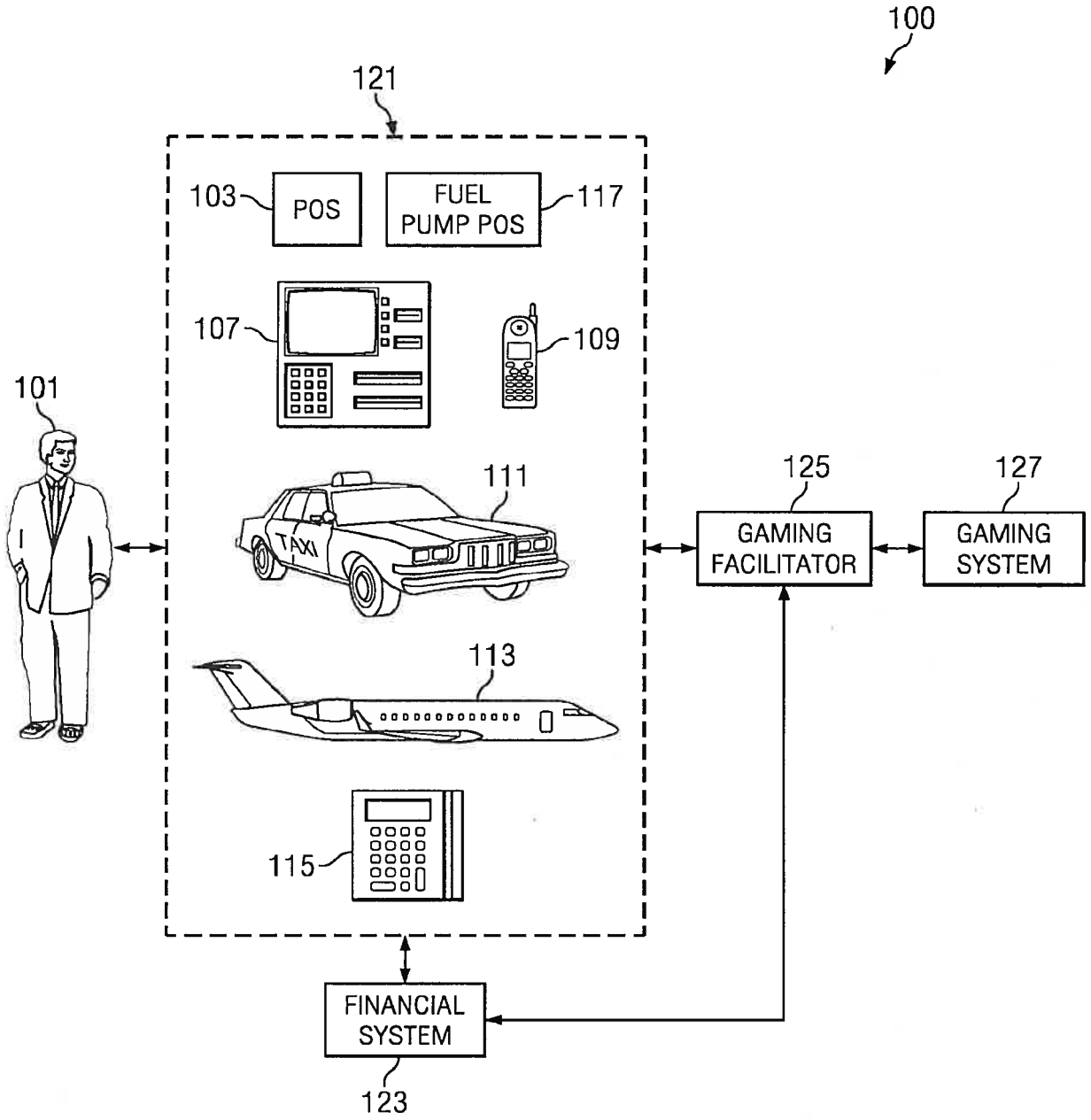

100
121
103
POS
FUEL PUMP POS
117
107
109
101
111
TAXI
125
GAMING FACILITATOR
127
GAMING SYSTEM
113
115
FINANCIAL SYSTEM
123

FIG. 1

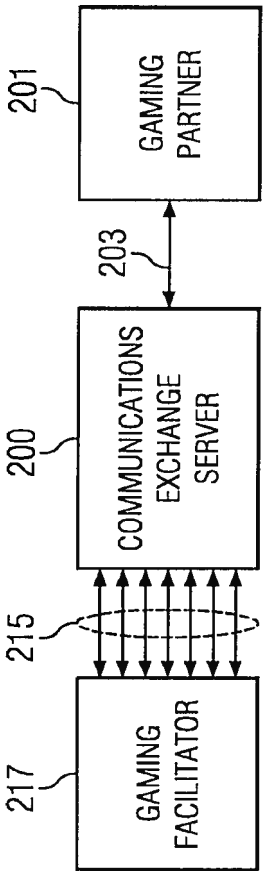

201
GAMING PARTNER
203
200
COMMUNICATIONS EXCHANGE SERVER
215
217
GAMING FACILITATOR

FIG. 2A

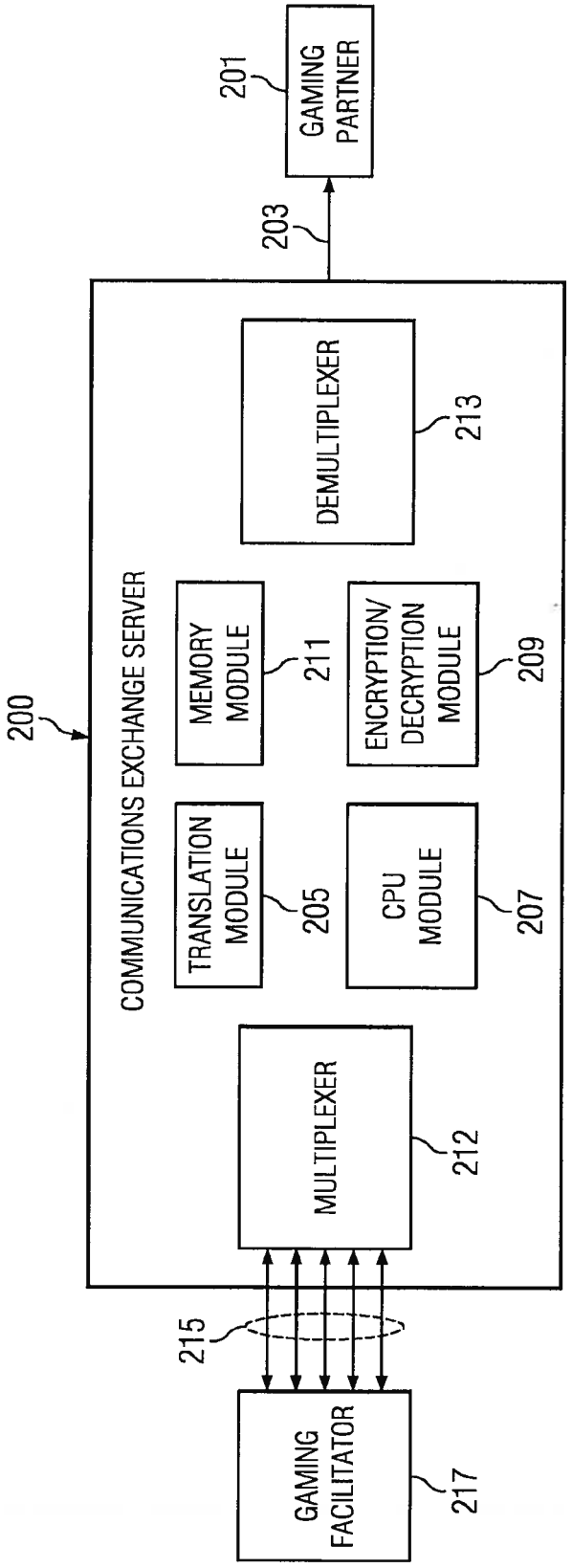

201
GAMING PARTNER
203
200
COMMUNICATIONS EXCHANGE SERVER
DEMULTIPLEXER
213
MEMORY MODULE
211
ENCRYPTION/ DECRYPTION MODULE
209
TRANSLATION MODULE
205
CPU MODULE
207
MULTIPLEXER
212
215
GAMING FACILITATOR
217

FIG. 2B

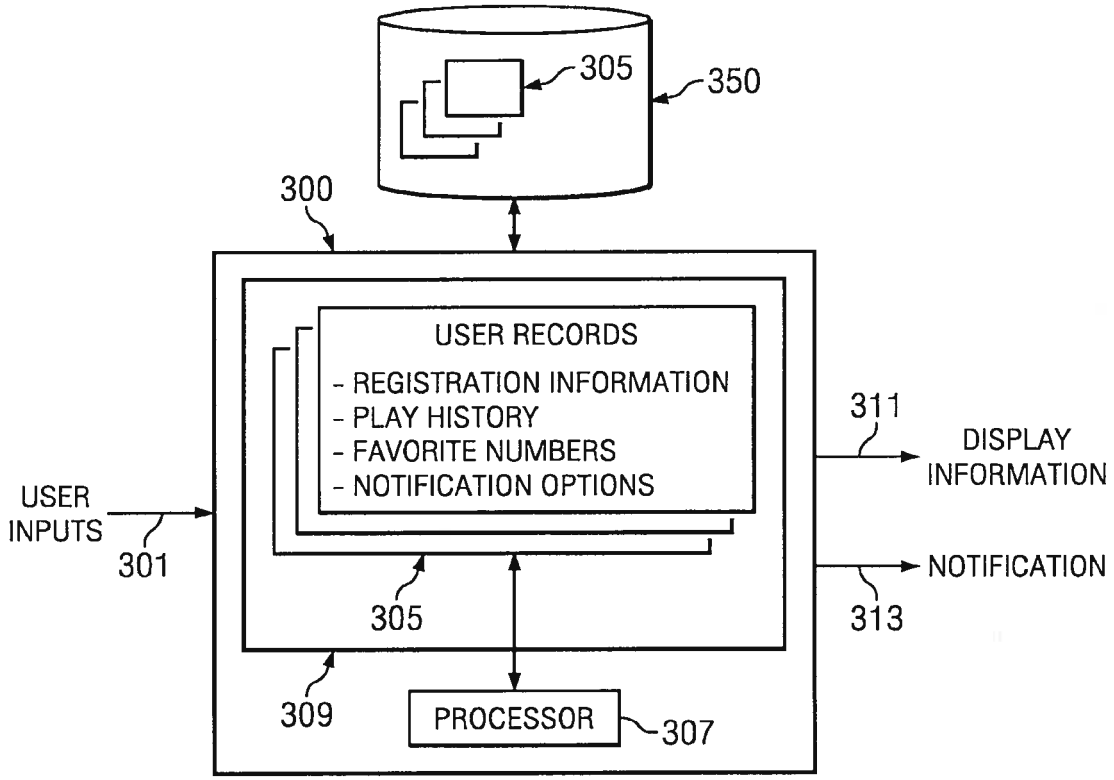

305
350
300
USER RECORDS
- REGISTRATION INFORMATION
- PLAY HISTORY
- FAVORITE NUMBERS
- NOTIFICATION OPTIONS
311
DISPLAY INFORMATION
USER INPUTS
301
NOTIFICATION
313
305
309
PROCESSOR
307

FIG. 3

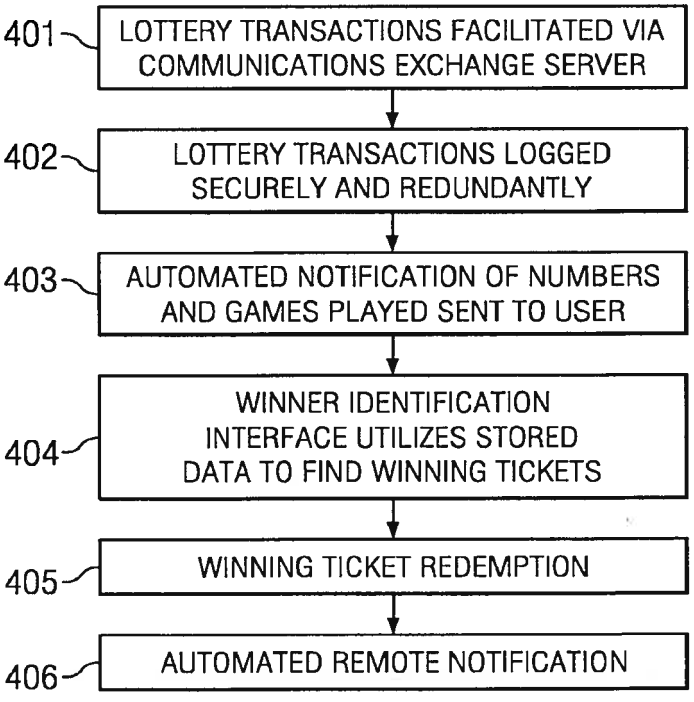

401
LOTTERY TRANSACTIONS FACILITATED VIA COMMUNICATIONS EXCHANGE SERVER
402
LOTTERY TRANSACTIONS LOGGED SECURELY AND REDUNDANTLY
403
AUTOMATED NOTIFICATION OF NUMBERS AND GAMES PLAYED SENT TO USER
404
WINNER IDENTIFICATION INTERFACE UTILIZES STORED DATA TO FIND WINNING TICKETS
405
WINNING TICKET REDEMPTION
406
AUTOMATED REMOTE NOTIFICATION

FIG. 4

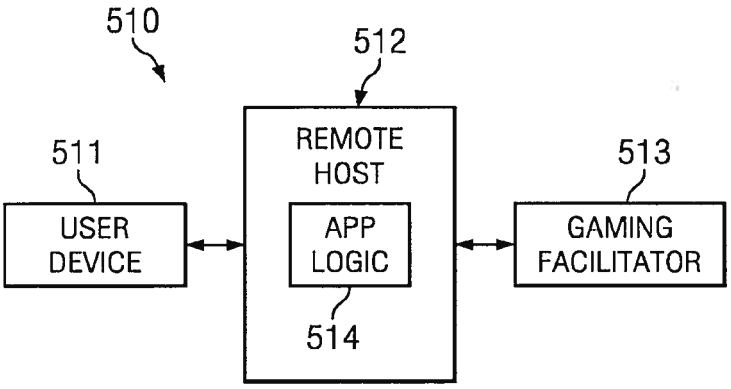


FIG. 5A

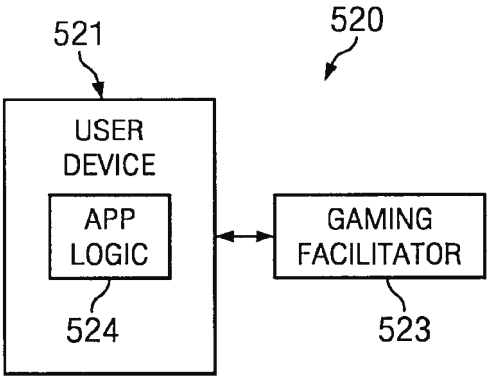


FIG. 5B

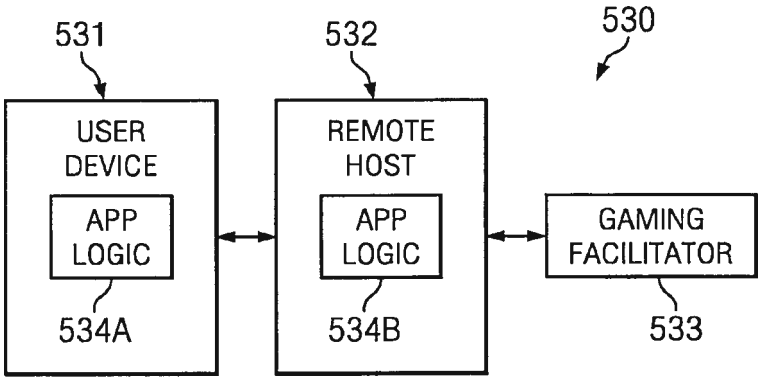


FIG. 5C

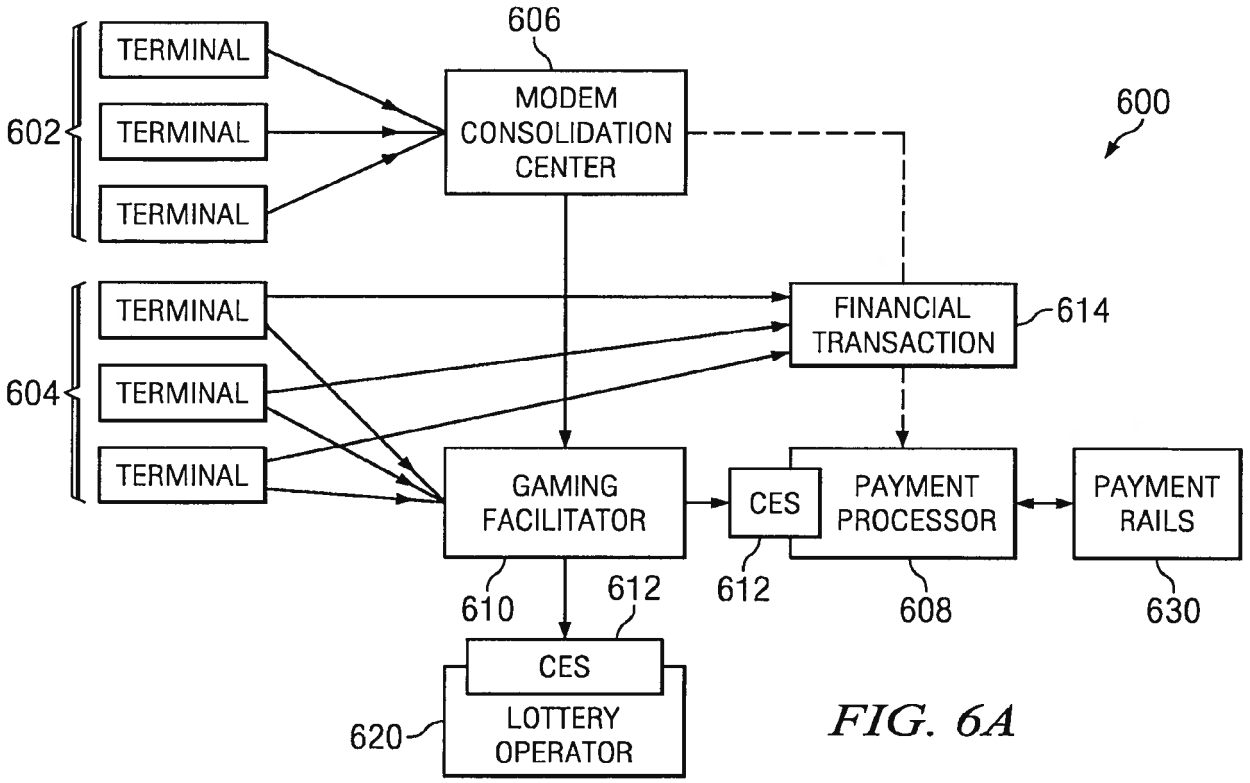

606
600
TERMINAL
TERMINAL
TERMINAL
602
MODEM CONSOLIDATION CENTER
TERMINAL
TERMINAL
TERMINAL
604
FINANCIAL TRANSACTION
614
GAMING FACILITATOR
CES
PAYMENT PROCESSOR
PAYMENT RAILS
610
612
612
608
630
CES
LOTTERY OPERATOR
620

FIG. 6A

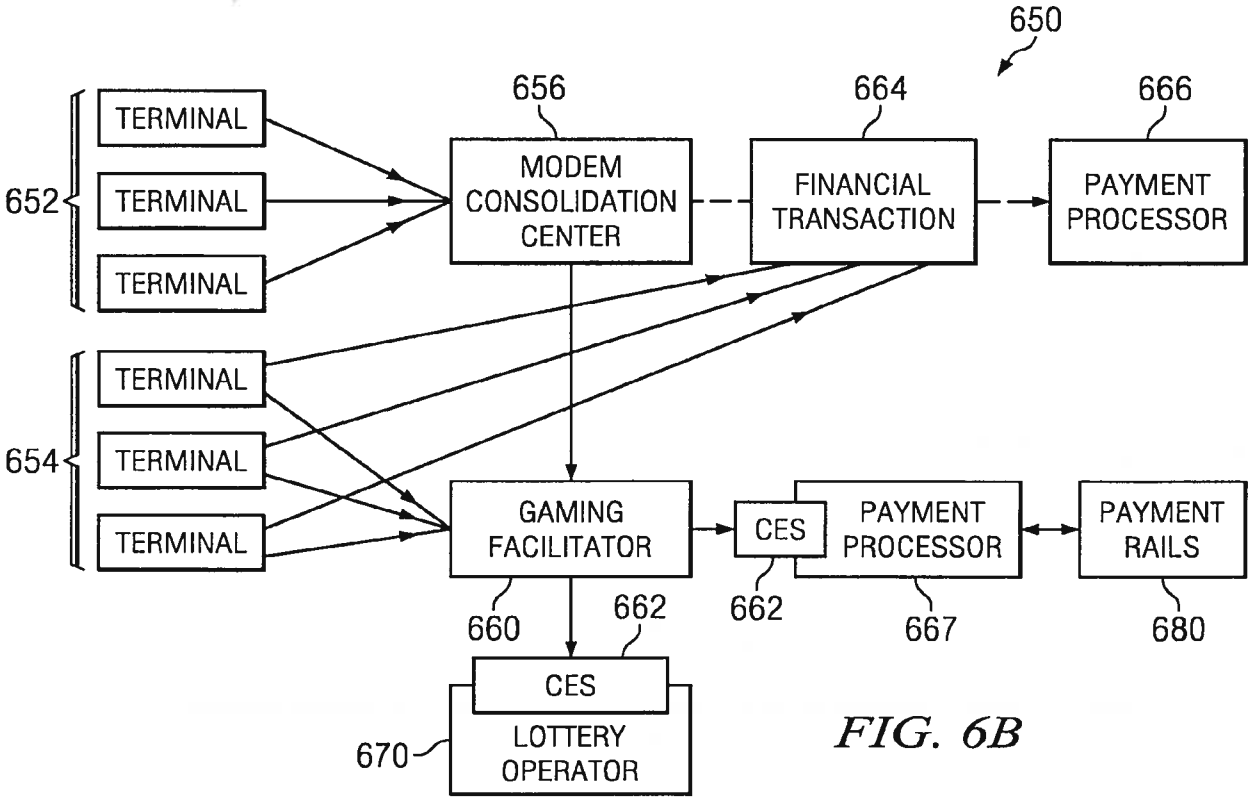

650
656
664
666
TERMINAL
TERMINAL
TERMINAL
652
MODEM CONSOLIDATION CENTER
FINANCIAL TRANSACTION
PAYMENT PROCESSOR
TERMINAL
TERMINAL
TERMINAL
654
GAMING FACILITATOR
CES
PAYMENT PROCESSOR
PAYMENT RAILS
660
662
662
667
680
CES
LOTTERY OPERATOR
670

FIG. 6B

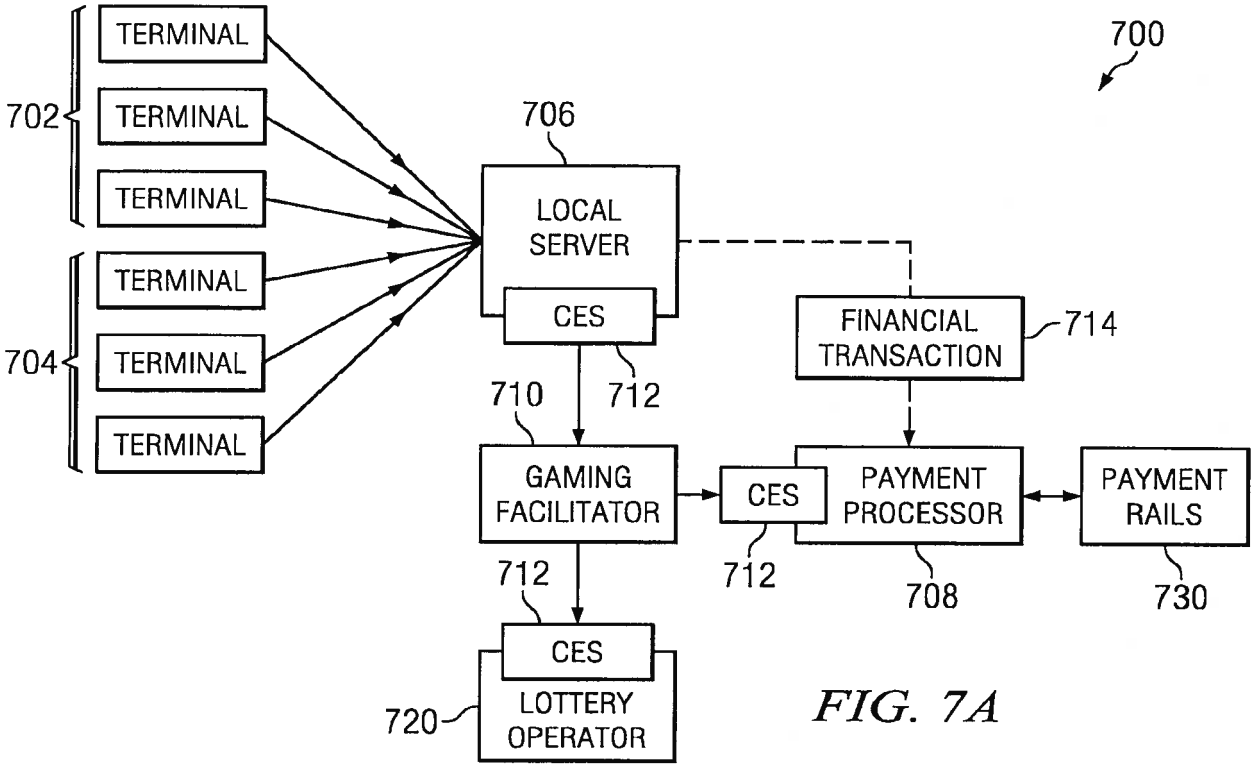

700
TERMINAL
TERMINAL
TERMINAL
TERMINAL
TERMINAL
TERMINAL
702
704
706
LOCAL SERVER
CES
712
710
FINANCIAL TRANSACTION
714
GAMING FACILITATOR
CES
712
PAYMENT PROCESSOR
708
PAYMENT RAILS
730
712
CES
LOTTERY OPERATOR
720

FIG. 7A

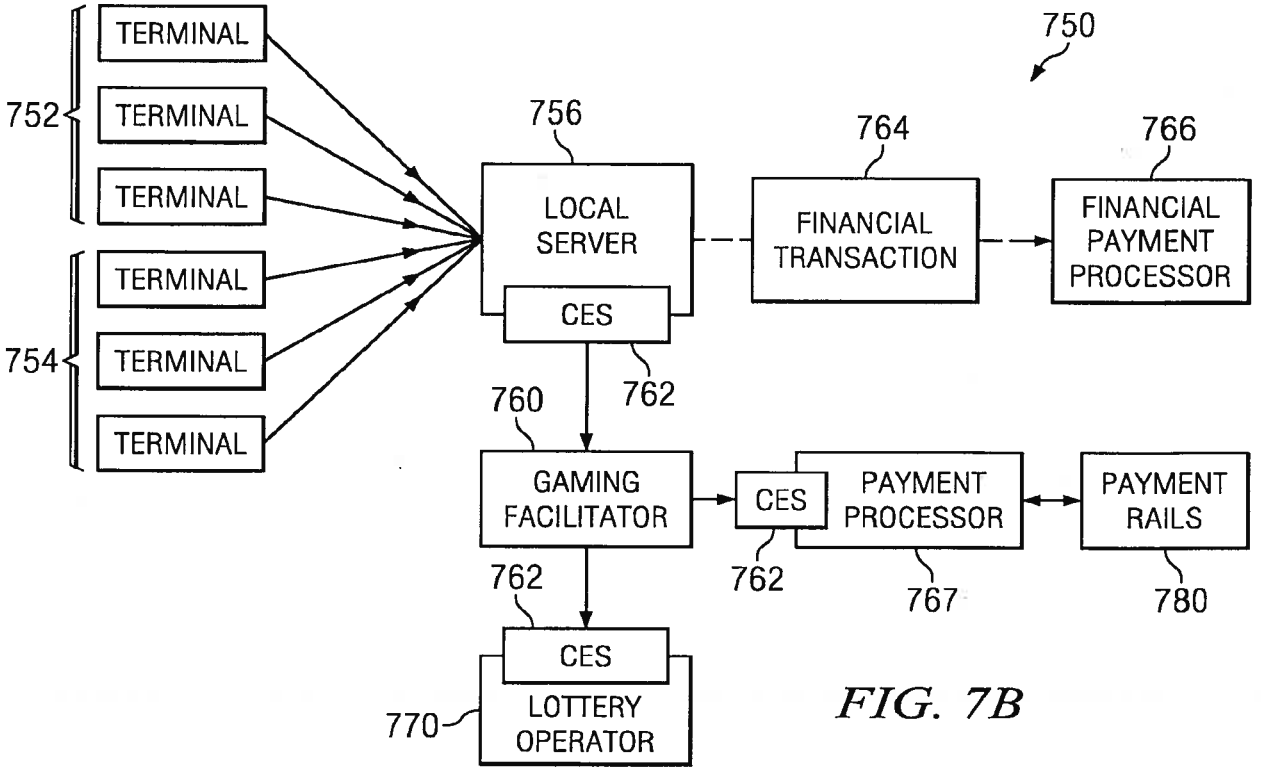

750
TERMINAL
TERMINAL
TERMINAL
TERMINAL
TERMINAL
TERMINAL
752
754
756
LOCAL SERVER
CES
762
760
764
FINANCIAL TRANSACTION
766
FINANCIAL PAYMENT PROCESSOR
GAMING FACILITATOR
CES
762
PAYMENT PROCESSOR
767
PAYMENT RAILS
780
762
CES
LOTTERY OPERATOR
770

FIG. 7B

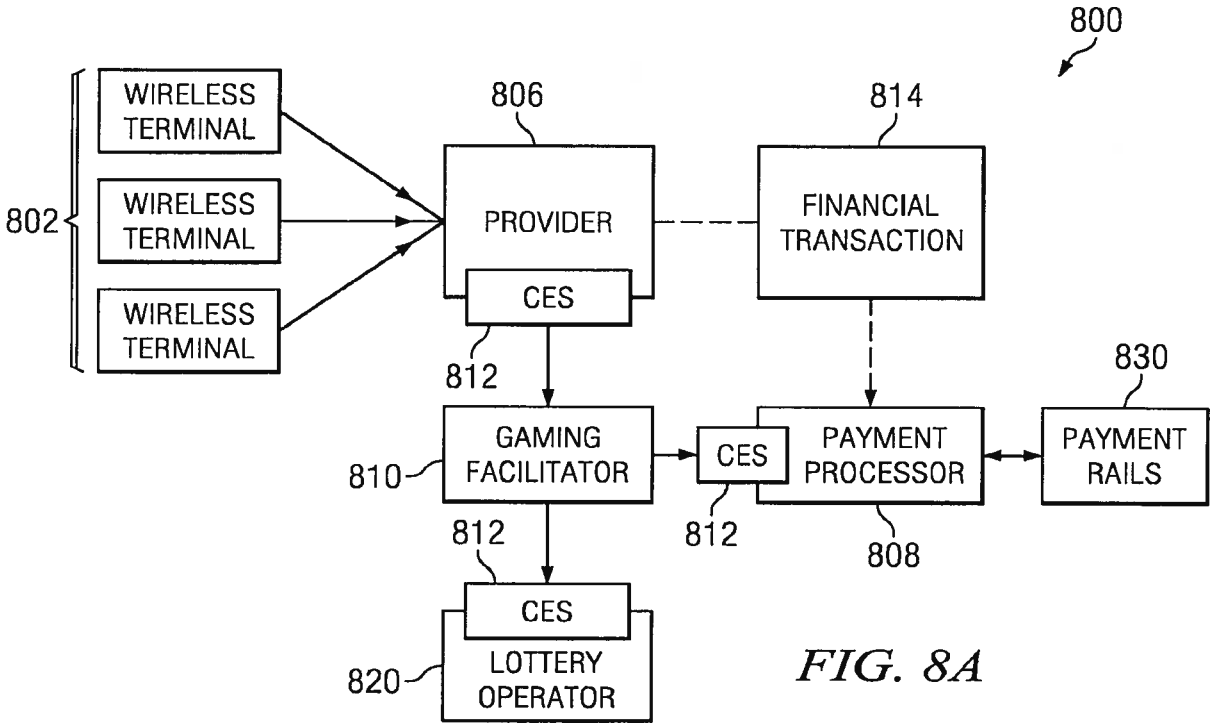

800
WIRELESS TERMINAL
WIRELESS TERMINAL
WIRELESS TERMINAL
802
806
PROVIDER
CES
812
814
FINANCIAL TRANSACTION
830
GAMING FACILITATOR
810
CES
812
PAYMENT PROCESSOR
808
PAYMENT RAILS
812
CES
LOTTERY OPERATOR
820

FIG. 8A

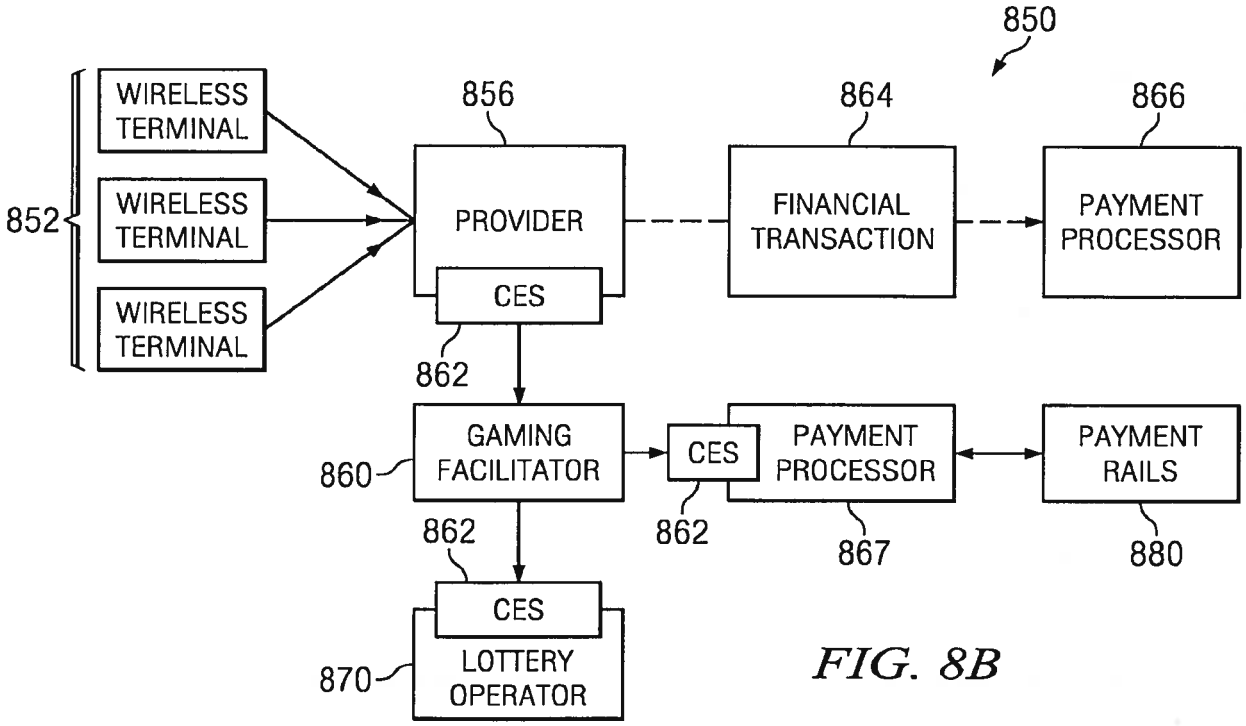

850
WIRELESS TERMINAL
WIRELESS TERMINAL
WIRELESS TERMINAL
852
856
PROVIDER
CES
862
864
FINANCIAL TRANSACTION
866
PAYMENT PROCESSOR
GAMING FACILITATOR
860
CES
862
PAYMENT PROCESSOR
867
PAYMENT RAILS
880
862
CES
LOTTERY OPERATOR
870

FIG. 8B

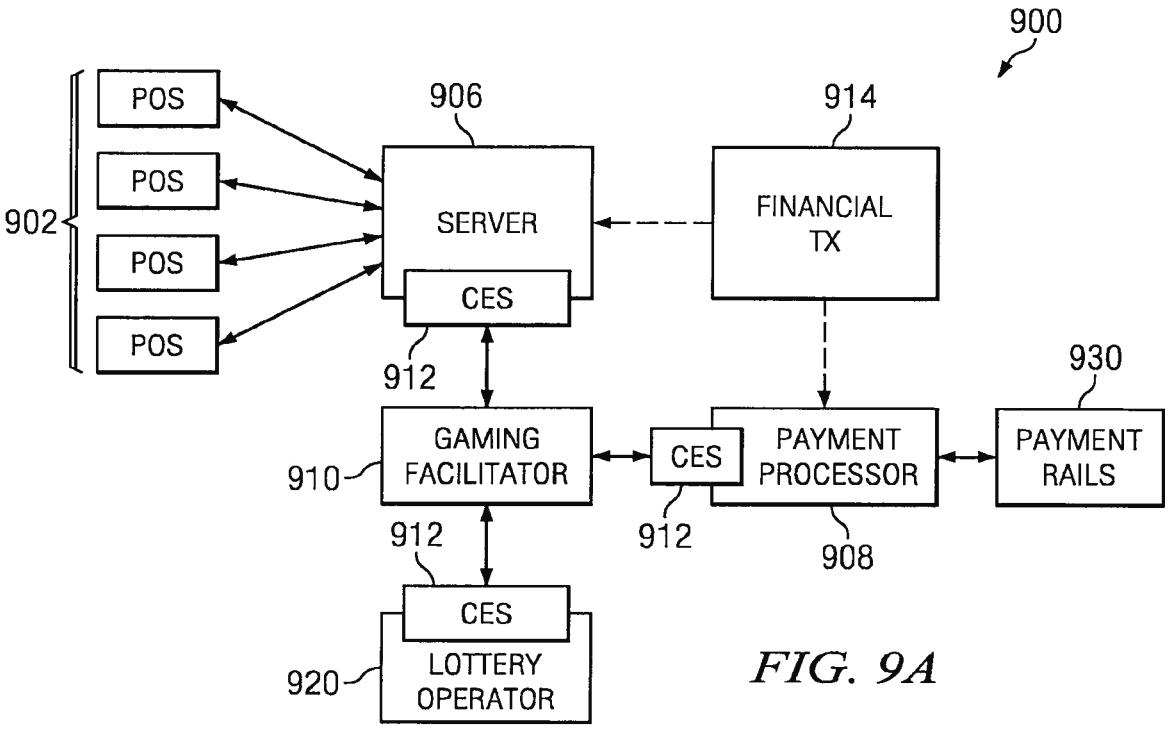

900
POS
POS
POS
POS
902
906
SERVER
CES
912
914
FINANCIAL TX
930
GAMING FACILITATOR
910
CES
PAYMENT PROCESSOR
912
908
PAYMENT RAILS
912
CES
LOTTERY OPERATOR
920

FIG. 9A

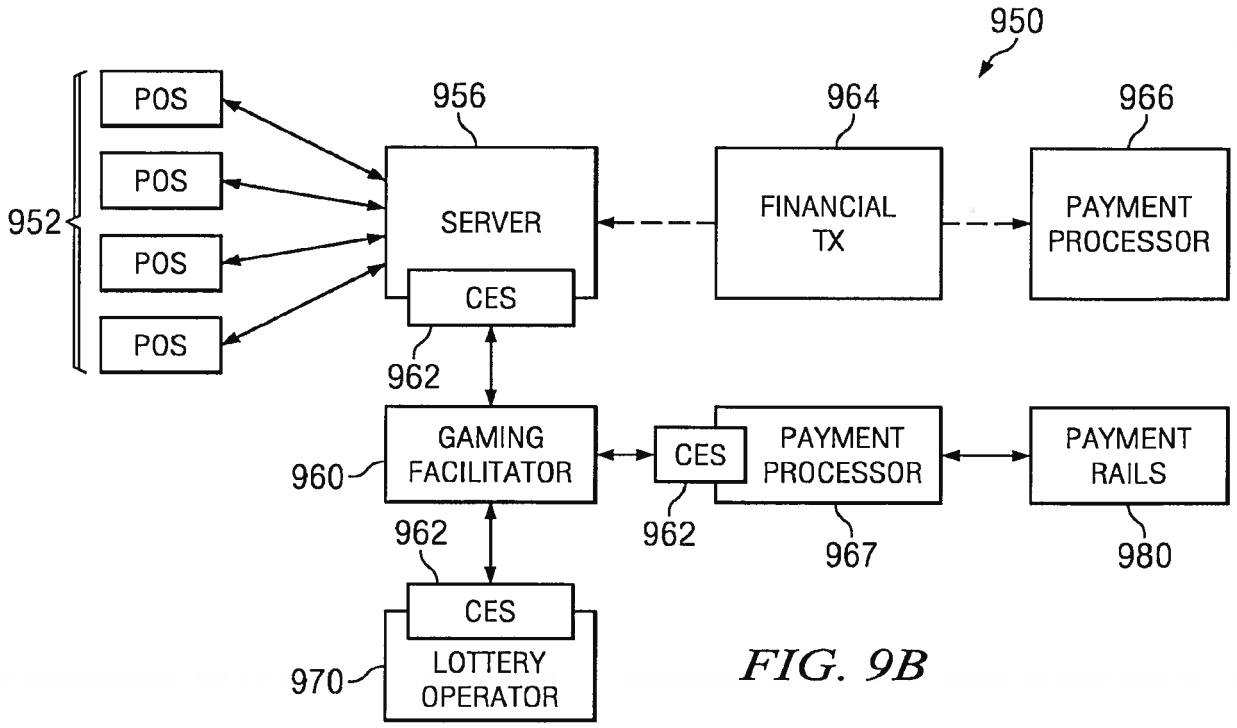

950
POS
POS
POS
POS
952
956
SERVER
CES
962
964
FINANCIAL TX
966
PAYMENT PROCESSOR
GAMING FACILITATOR
960
CES
PAYMENT PROCESSOR
962
967
PAYMENT RAILS
980
962
CES
LOTTERY OPERATOR
970

FIG. 9B

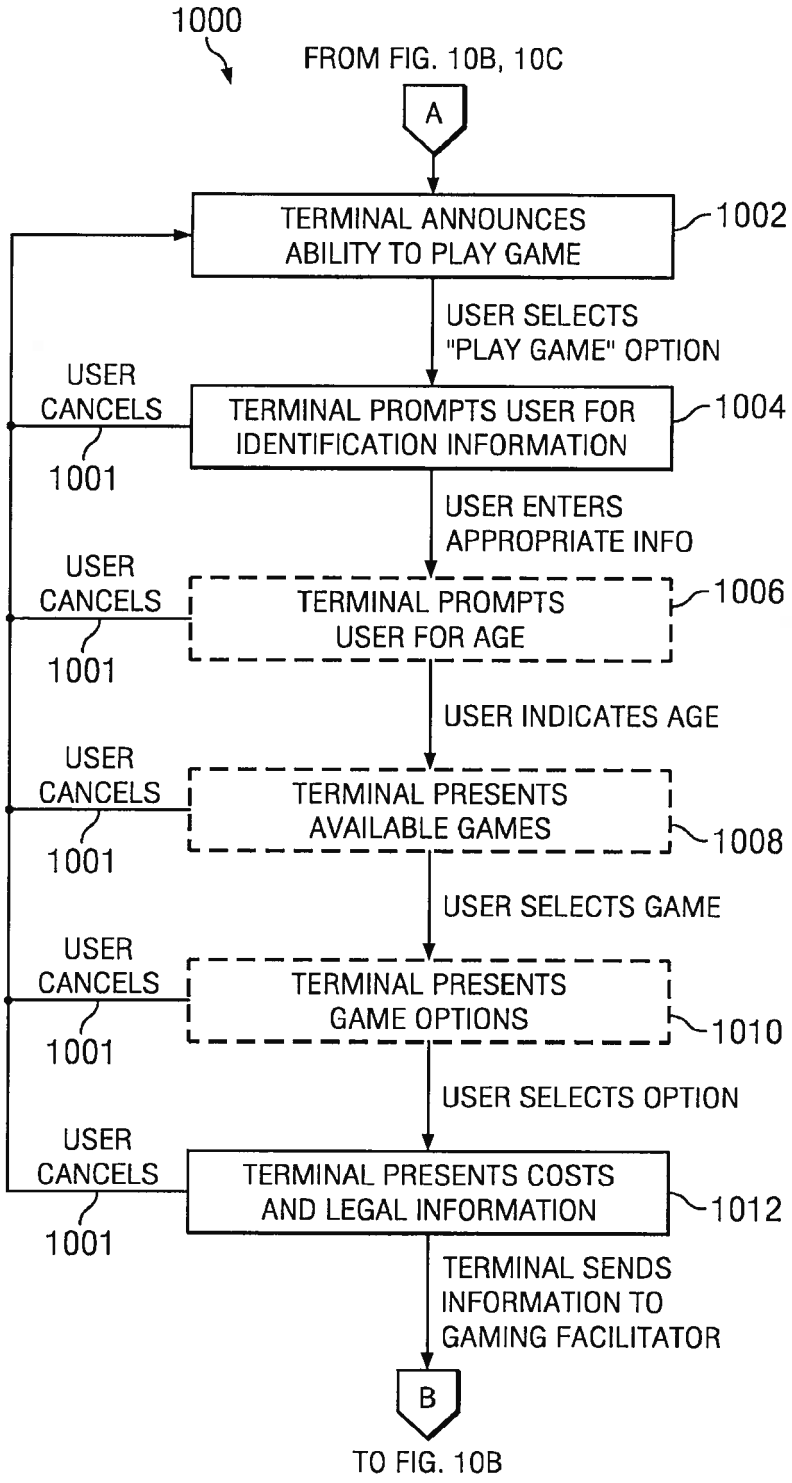

1000
FROM FIG. 10B, 10C
A
TERMINAL ANNOUNCES ABILITY TO PLAY GAME
1002
USER SELECTS "PLAY GAME" OPTION
USER CANCELS
TERMINAL PROMPTS USER FOR IDENTIFICATION INFORMATION
1004
1001
USER ENTERS APPROPRIATE INFO
USER CANCELS
TERMINAL PROMPTS USER FOR AGE
1006
1001
USER INDICATES AGE
USER CANCELS
TERMINAL PRESENTS AVAILABLE GAMES
1008
1001
USER SELECTS GAME
USER CANCELS
TERMINAL PRESENTS GAME OPTIONS
1010
1001
USER SELECTS OPTION
USER CANCELS
TERMINAL PRESENTS COSTS AND LEGAL INFORMATION
1012
1001
TERMINAL SENDS INFORMATION TO GAMING FACILITATOR
B
TO FIG. 10B

FIG. 10A

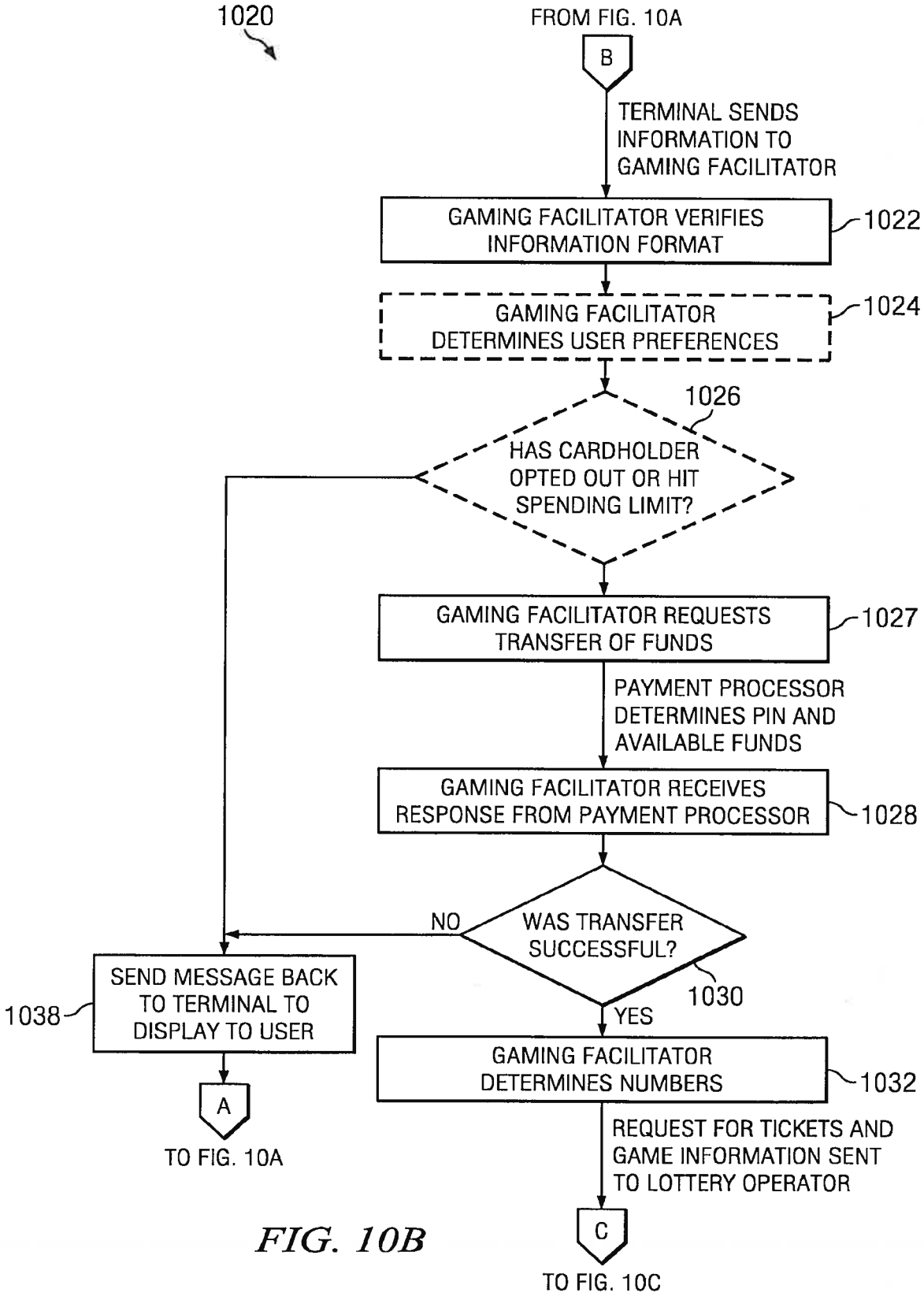

1020
FROM FIG. 10A
B
TERMINAL SENDS INFORMATION TO GAMING FACILITATOR
GAMING FACILITATOR VERIFIES INFORMATION FORMAT
1022
GAMING FACILITATOR DETERMINES USER PREFERENCES
1024
1026
HAS CARDHOLDER OPTED OUT OR HIT SPENDING LIMIT?
GAMING FACILITATOR REQUESTS TRANSFER OF FUNDS
1027
PAYMENT PROCESSOR DETERMINES PIN AND AVAILABLE FUNDS
GAMING FACILITATOR RECEIVES RESPONSE FROM PAYMENT PROCESSOR
1028
NO
WAS TRANSFER SUCCESSFUL?
1030
YES
SEND MESSAGE BACK TO TERMINAL TO DISPLAY TO USER
1038
A
TO FIG. 10A
GAMING FACILITATOR DETERMINES NUMBERS
1032
REQUEST FOR TICKETS AND GAME INFORMATION SENT TO LOTTERY OPERATOR
C
TO FIG. 10C

FIG. 10B

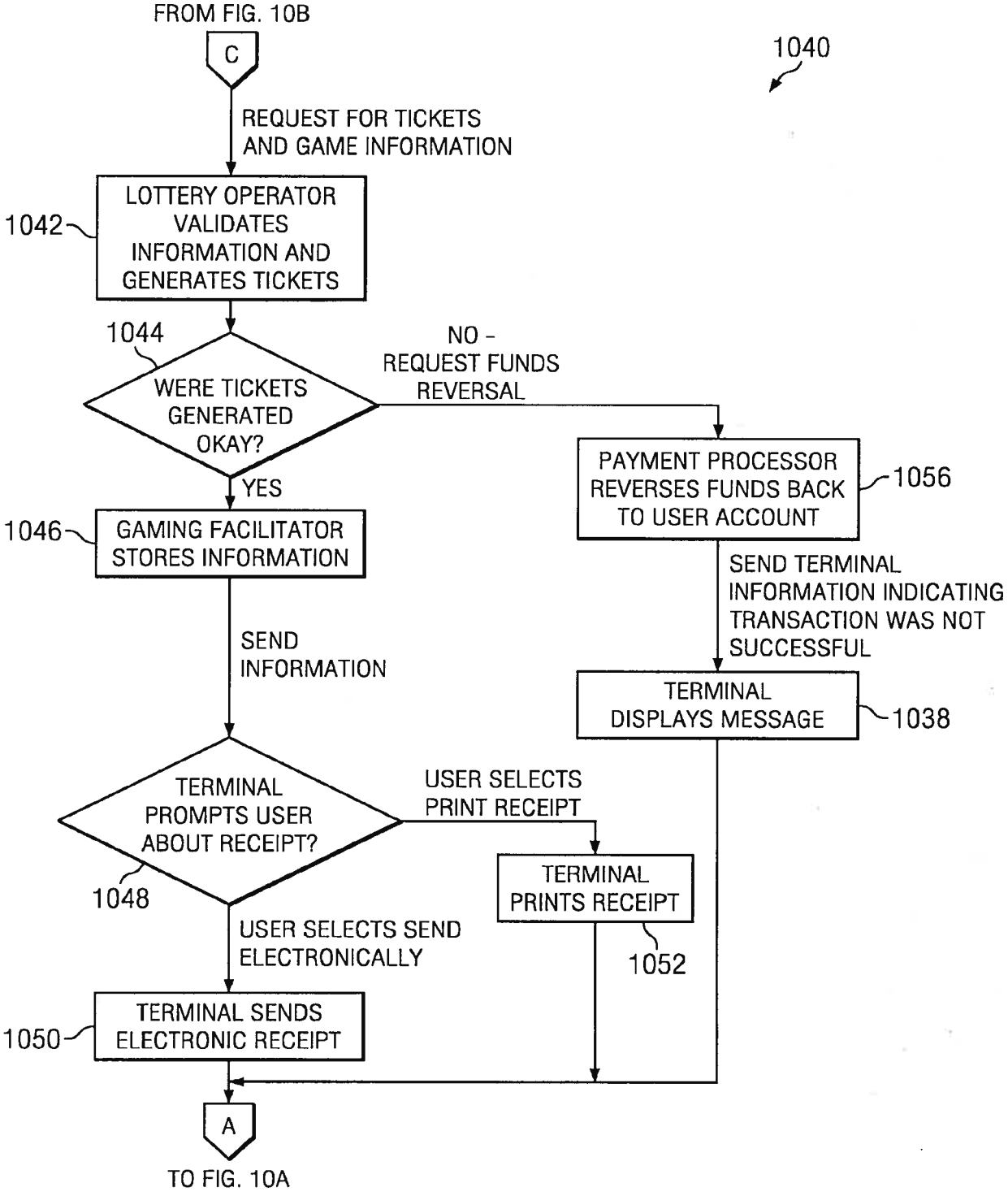

FROM FIG. 10B
C
1040
REQUEST FOR TICKETS AND GAME INFORMATION
LOTTERY OPERATOR VALIDATES INFORMATION AND GENERATES TICKETS
1042
1044
WERE TICKETS GENERATED OKAY?
NO - REQUEST FUNDS REVERSAL
YES
PAYMENT PROCESSOR REVERSES FUNDS BACK TO USER ACCOUNT
1056
1046
GAMING FACILITATOR STORES INFORMATION
SEND TERMINAL INFORMATION INDICATING TRANSACTION WAS NOT SUCCESSFUL
SEND INFORMATION
TERMINAL DISPLAYS MESSAGE
1038
TERMINAL PROMPTS USER ABOUT RECEIPT?
USER SELECTS PRINT RECEIPT
1048
TERMINAL PRINTS RECEIPT
1052
USER SELECTS SEND ELECTRONICALLY
TERMINAL SENDS ELECTRONIC RECEIPT
1050
A
TO FIG. 10A

FIG. 10C

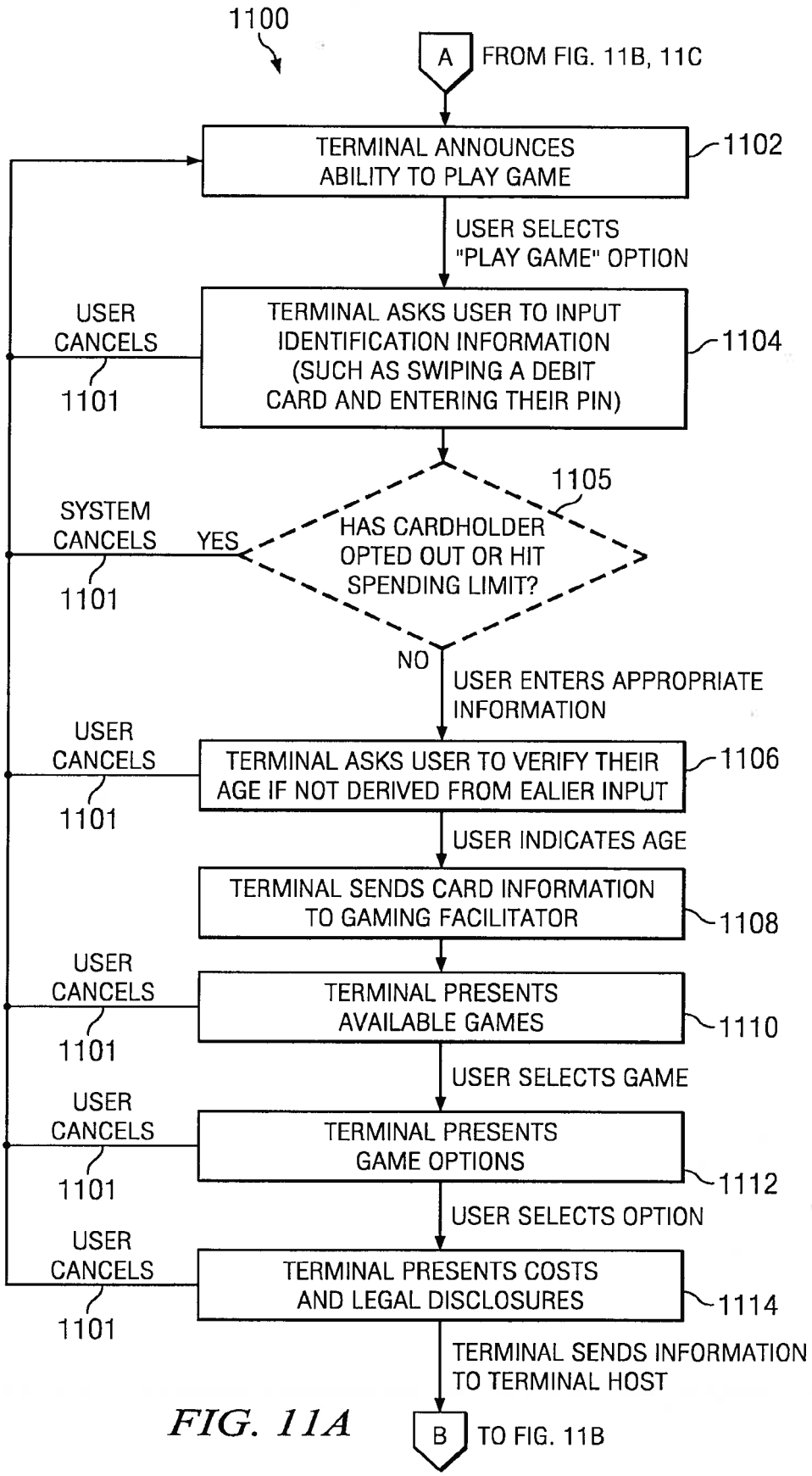

1100
A
FROM FIG. 11B, 11C
TERMINAL ANNOUNCES ABILITY TO PLAY GAME
1102
USER SELECTS "PLAY GAME" OPTION
USER CANCELS
1101
TERMINAL ASKS USER TO INPUT IDENTIFICATION INFORMATION (SUCH AS SWIPING A DEBIT CARD AND ENTERING THEIR PIN)
1104
1105
SYSTEM CANCELS
1101
YES
HAS CARDHOLDER OPTED OUT OR HIT SPENDING LIMIT?
NO
USER ENTERS APPROPRIATE INFORMATION
USER CANCELS
1101
TERMINAL ASKS USER TO VERIFY THEIR AGE IF NOT DERIVED FROM EALIER INPUT
1106
USER INDICATES AGE
TERMINAL SENDS CARD INFORMATION TO GAMING FACILITATOR
1108
USER CANCELS
1101
TERMINAL PRESENTS AVAILABLE GAMES
1110
USER SELECTS GAME
USER CANCELS
1101
TERMINAL PRESENTS GAME OPTIONS
1112
USER SELECTS OPTION
USER CANCELS
1101
TERMINAL PRESENTS COSTS AND LEGAL DISCLOSURES
1114
TERMINAL SENDS INFORMATION TO TERMINAL HOST
B
TO FIG. 11B

FIG. 11A

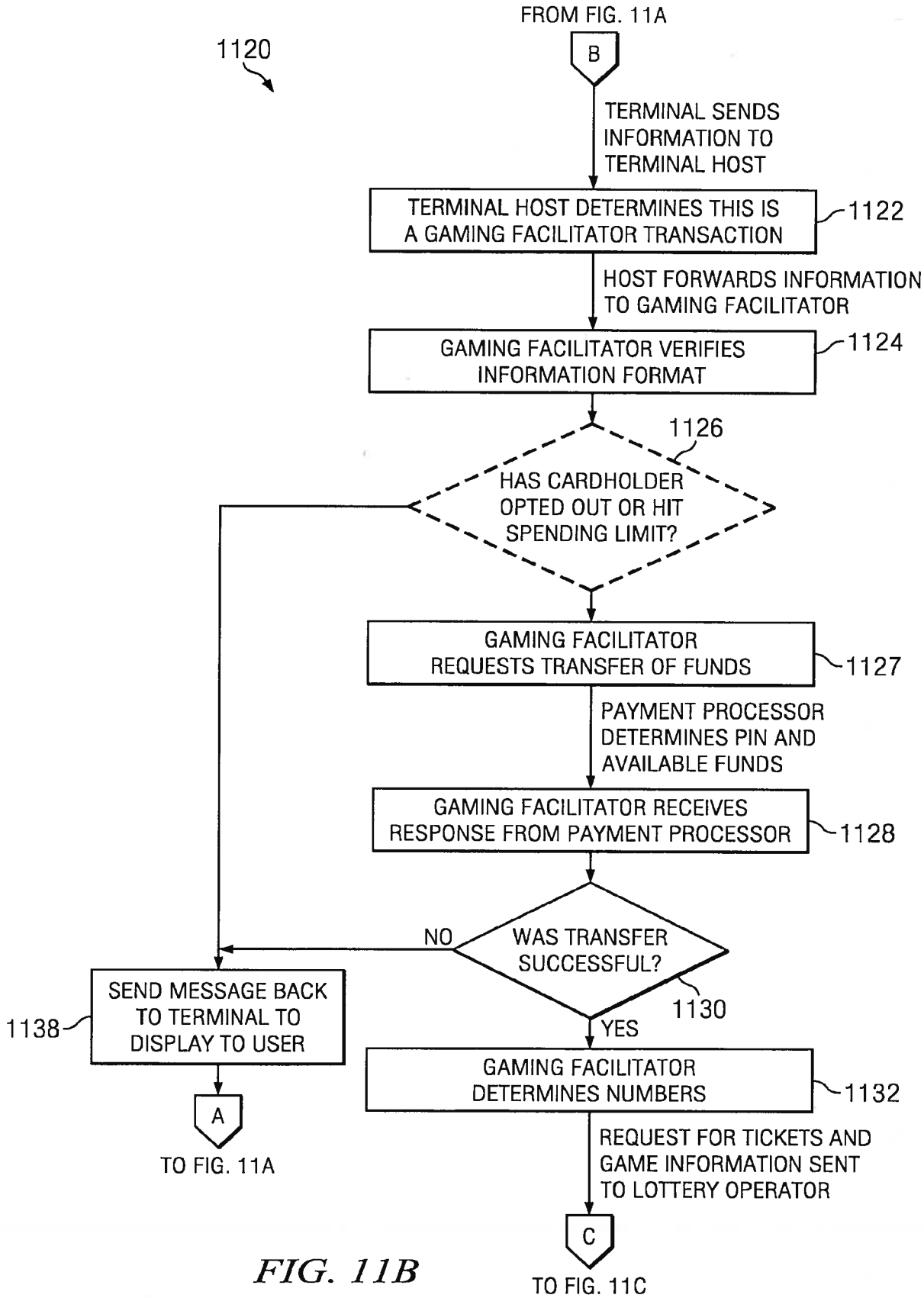

FROM FIG. 11A
1120
B
TERMINAL SENDS INFORMATION TO TERMINAL HOST
TERMINAL HOST DETERMINES THIS IS A GAMING FACILITATOR TRANSACTION
1122
HOST FORWARDS INFORMATION TO GAMING FACILITATOR
GAMING FACILITATOR VERIFIES INFORMATION FORMAT
1124
1126
HAS CARDHOLDER OPTED OUT OR HIT SPENDING LIMIT?
GAMING FACILITATOR REQUESTS TRANSFER OF FUNDS
1127
PAYMENT PROCESSOR DETERMINES PIN AND AVAILABLE FUNDS
GAMING FACILITATOR RECEIVES RESPONSE FROM PAYMENT PROCESSOR
1128
NO
WAS TRANSFER SUCCESSFUL?
1130
YES
SEND MESSAGE BACK TO TERMINAL TO DISPLAY TO USER
1138
A
TO FIG. 11A
GAMING FACILITATOR DETERMINES NUMBERS
1132
REQUEST FOR TICKETS AND GAME INFORMATION SENT TO LOTTERY OPERATOR
C
TO FIG. 11C

FIG. 11B

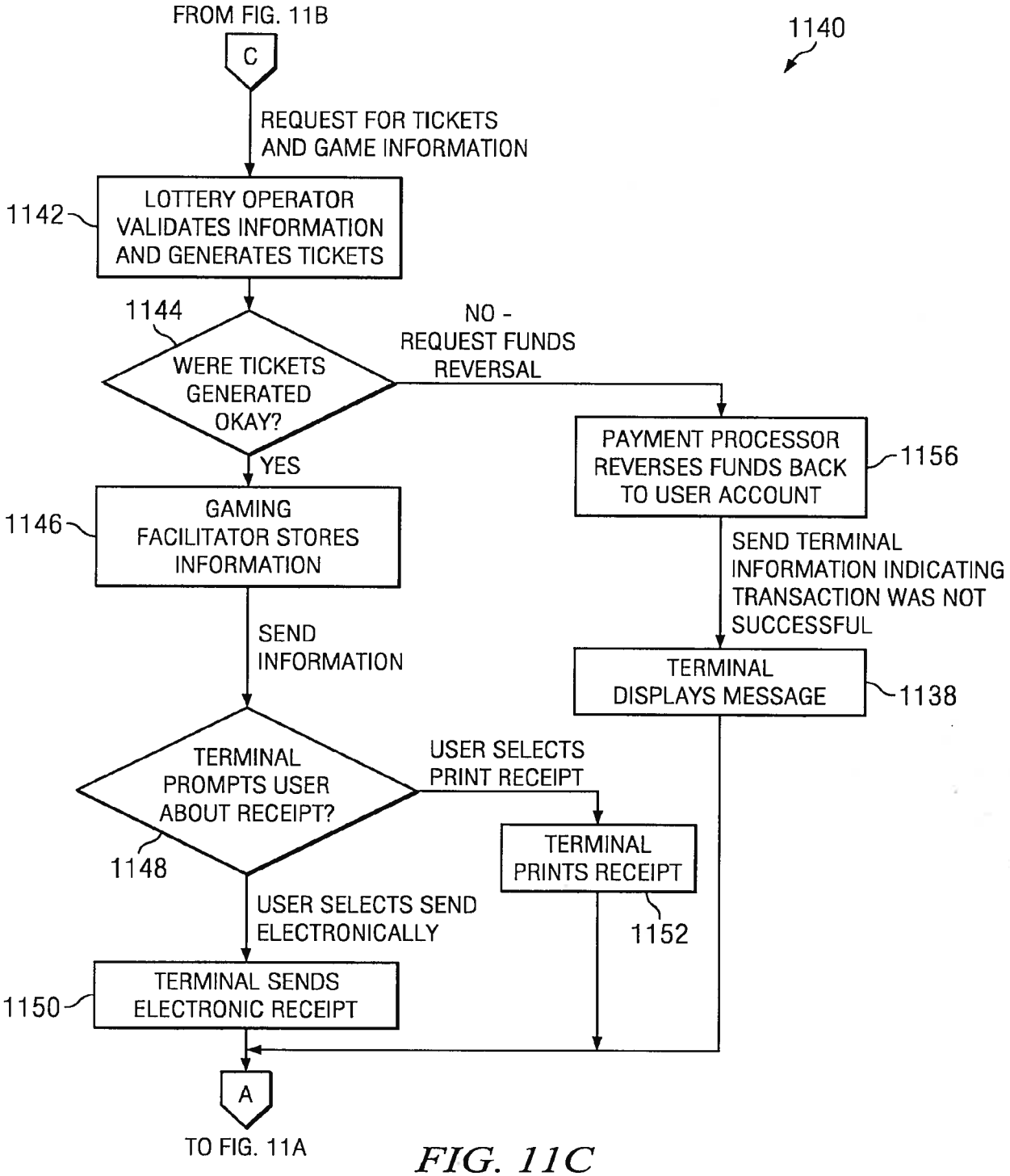

FROM FIG. 11B
C
1140
REQUEST FOR TICKETS AND GAME INFORMATION
1142
LOTTERY OPERATOR VALIDATES INFORMATION AND GENERATES TICKETS
1144
WERE TICKETS GENERATED OKAY?
NO - REQUEST FUNDS REVERSAL
YES
PAYMENT PROCESSOR REVERSES FUNDS BACK TO USER ACCOUNT
1156
SEND TERMINAL INFORMATION INDICATING TRANSACTION WAS NOT SUCCESSFUL
1146
GAMING FACILITATOR STORES INFORMATION
SEND INFORMATION
TERMINAL DISPLAYS MESSAGE
1138
TERMINAL PROMPTS USER ABOUT RECEIPT?
USER SELECTS PRINT RECEIPT
1148
TERMINAL PRINTS RECEIPT
1152
USER SELECTS SEND ELECTRONICALLY
1150
TERMINAL SENDS ELECTRONIC RECEIPT
A
TO FIG. 11A

FIG. 11C

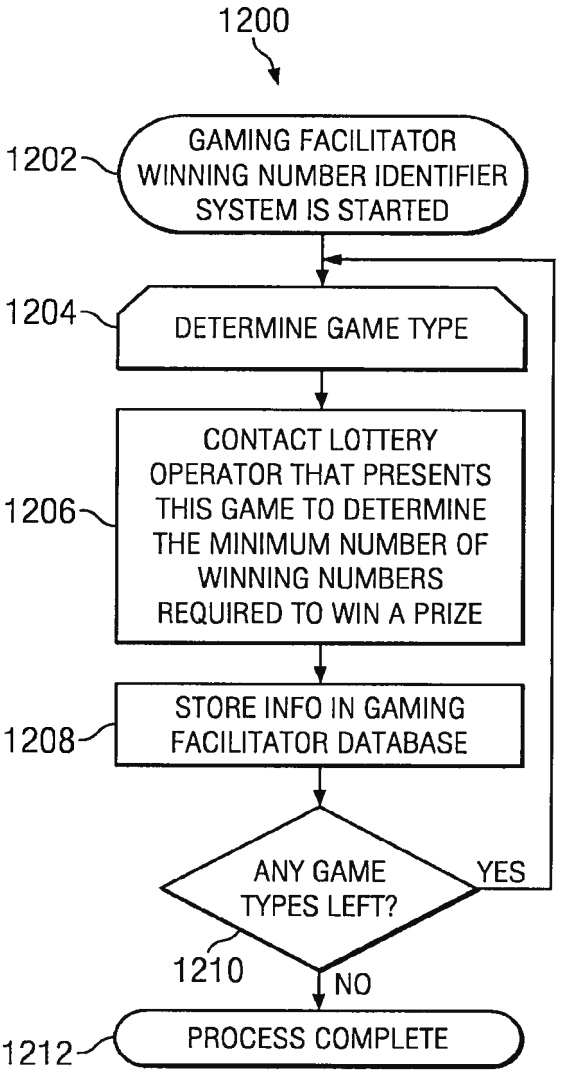

1200
1202
GAMING FACILITATOR WINNING NUMBER IDENTIFIER SYSTEM IS STARTED
1204
DETERMINE GAME TYPE
1206
CONTACT LOTTERY OPERATOR THAT PRESENTS THIS GAME TO DETERMINE THE MINIMUM NUMBER OF WINNING NUMBERS REQUIRED TO WIN A PRIZE
1208
STORE INFO IN GAMING FACILITATOR DATABASE
ANY GAME TYPES LEFT?
YES
1210
NO
1212
PROCESS COMPLETE

FIG. 12

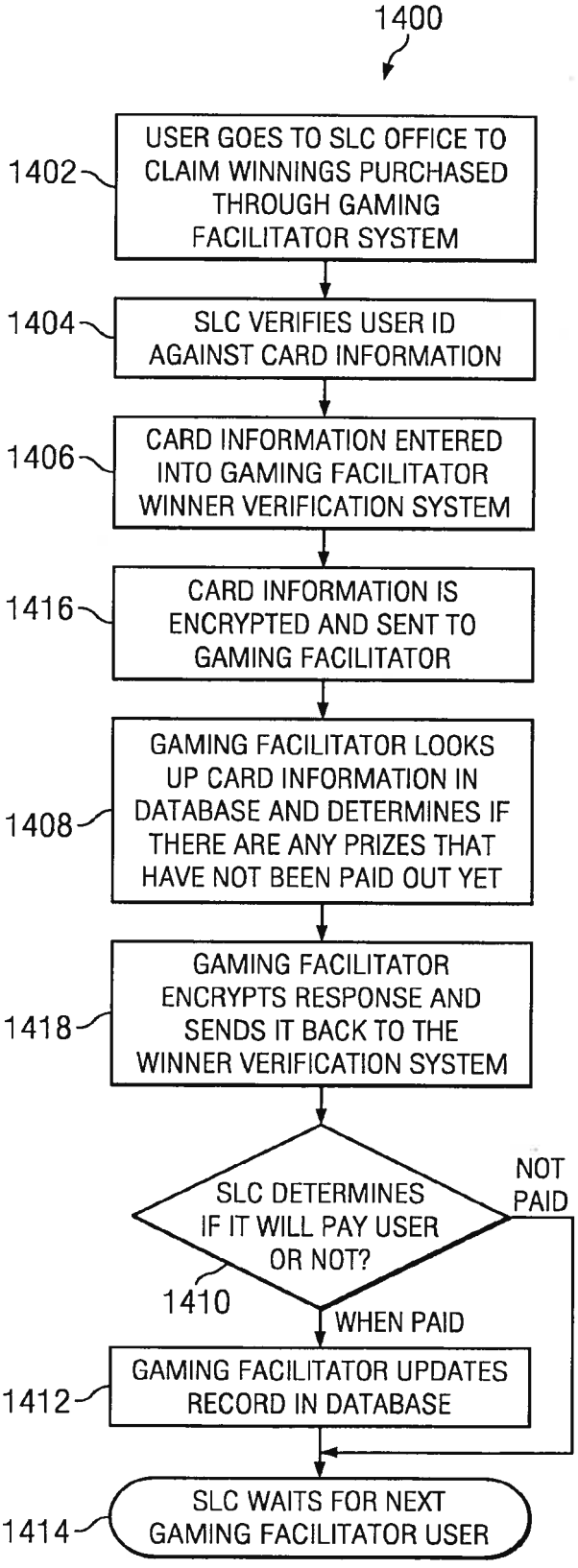

1400
1402
USER GOES TO SLC OFFICE TO CLAIM WINNINGS PURCHASED THROUGH GAMING FACILITATOR SYSTEM
1404
SLC VERIFIES USER ID AGAINST CARD INFORMATION
1406
CARD INFORMATION ENTERED INTO GAMING FACILITATOR WINNER VERIFICATION SYSTEM
1416
CARD INFORMATION IS ENCRYPTED AND SENT TO GAMING FACILITATOR
1408
GAMING FACILITATOR LOOKS UP CARD INFORMATION IN DATABASE AND DETERMINES IF THERE ARE ANY PRIZES THAT HAVE NOT BEEN PAID OUT YET
1418
GAMING FACILITATOR ENCRYPTS RESPONSE AND SENDS IT BACK TO THE WINNER VERIFICATION SYSTEM
SLC DETERMINES IF IT WILL PAY USER OR NOT?
NOT PAID
1410
WHEN PAID
1412
GAMING FACILITATOR UPDATES RECORD IN DATABASE
1414
SLC WAITS FOR NEXT GAMING FACILITATOR USER

FIG. 14

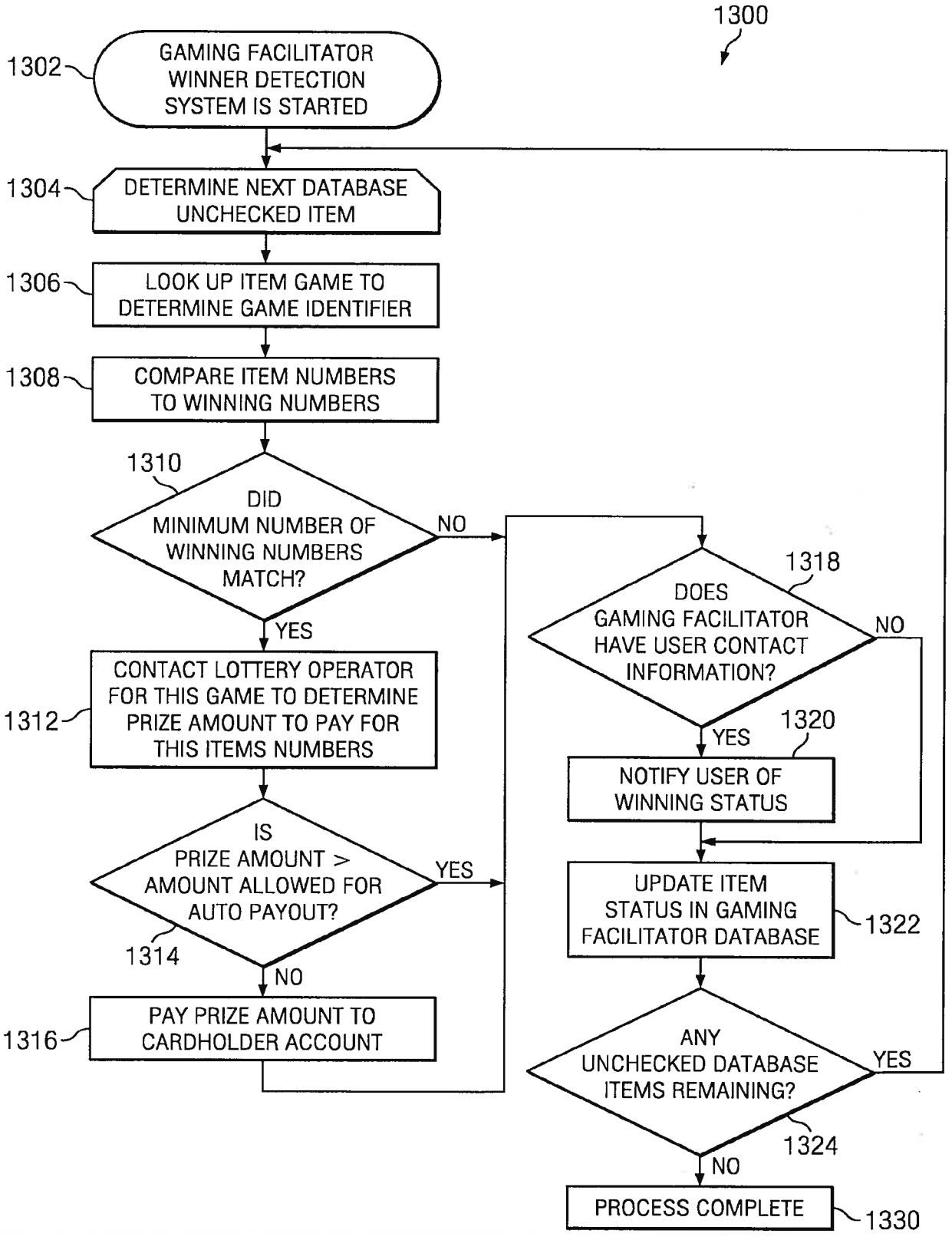

1300
1302
GAMING FACILITATOR WINNER DETECTION SYSTEM IS STARTED
1304
DETERMINE NEXT DATABASE UNCHECKED ITEM
1306
LOOK UP ITEM GAME TO DETERMINE GAME IDENTIFIER
1308
COMPARE ITEM NUMBERS TO WINNING NUMBERS
1310
DID MINIMUM NUMBER OF WINNING NUMBERS MATCH?
NO
YES
1312
CONTACT LOTTERY OPERATOR FOR THIS GAME TO DETERMINE PRIZE AMOUNT TO PAY FOR THIS ITEMS NUMBERS
IS PRIZE AMOUNT > AMOUNT ALLOWED FOR AUTO PAYOUT?
YES
1314
NO
1316
PAY PRIZE AMOUNT TO CARDHOLDER ACCOUNT
1318
DOES GAMING FACILITATOR HAVE USER CONTACT INFORMATION?
NO
YES
1320
NOTIFY USER OF WINNING STATUS
UPDATE ITEM STATUS IN GAMING FACILITATOR DATABASE
1322
ANY UNCHECKED DATABASE ITEMS REMAINING?
YES
1324
NO
PROCESS COMPLETE
1330

FIG. 13A

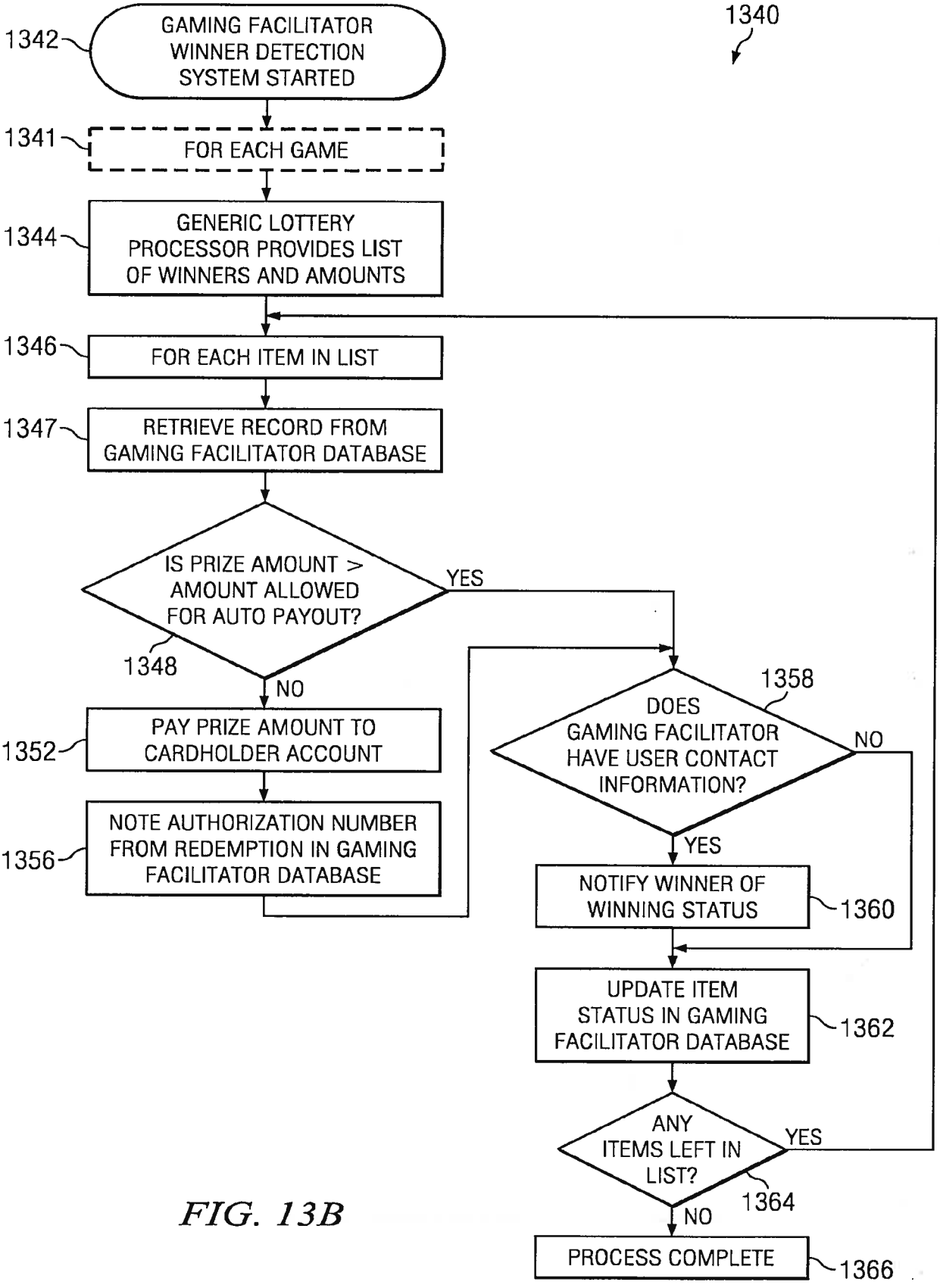

1340
1342
GAMING FACILITATOR WINNER DETECTION SYSTEM STARTED
1341
FOR EACH GAME
1344
GENERIC LOTTERY PROCESSOR PROVIDES LIST OF WINNERS AND AMOUNTS
1346
FOR EACH ITEM IN LIST
1347
RETRIEVE RECORD FROM GAMING FACILITATOR DATABASE
IS PRIZE AMOUNT > AMOUNT ALLOWED FOR AUTO PAYOUT?
1348
YES
NO
1352
PAY PRIZE AMOUNT TO CARDHOLDER ACCOUNT
1356
NOTE AUTHORIZATION NUMBER FROM REDEMPTION IN GAMING FACILITATOR DATABASE
1358
DOES GAMING FACILITATOR HAVE USER CONTACT INFORMATION?
NO
YES
NOTIFY WINNER OF WINNING STATUS
1360
UPDATE ITEM STATUS IN GAMING FACILITATOR DATABASE
1362
ANY ITEMS LEFT IN LIST?
1364
YES
NO
PROCESS COMPLETE
1366

FIG. 13B

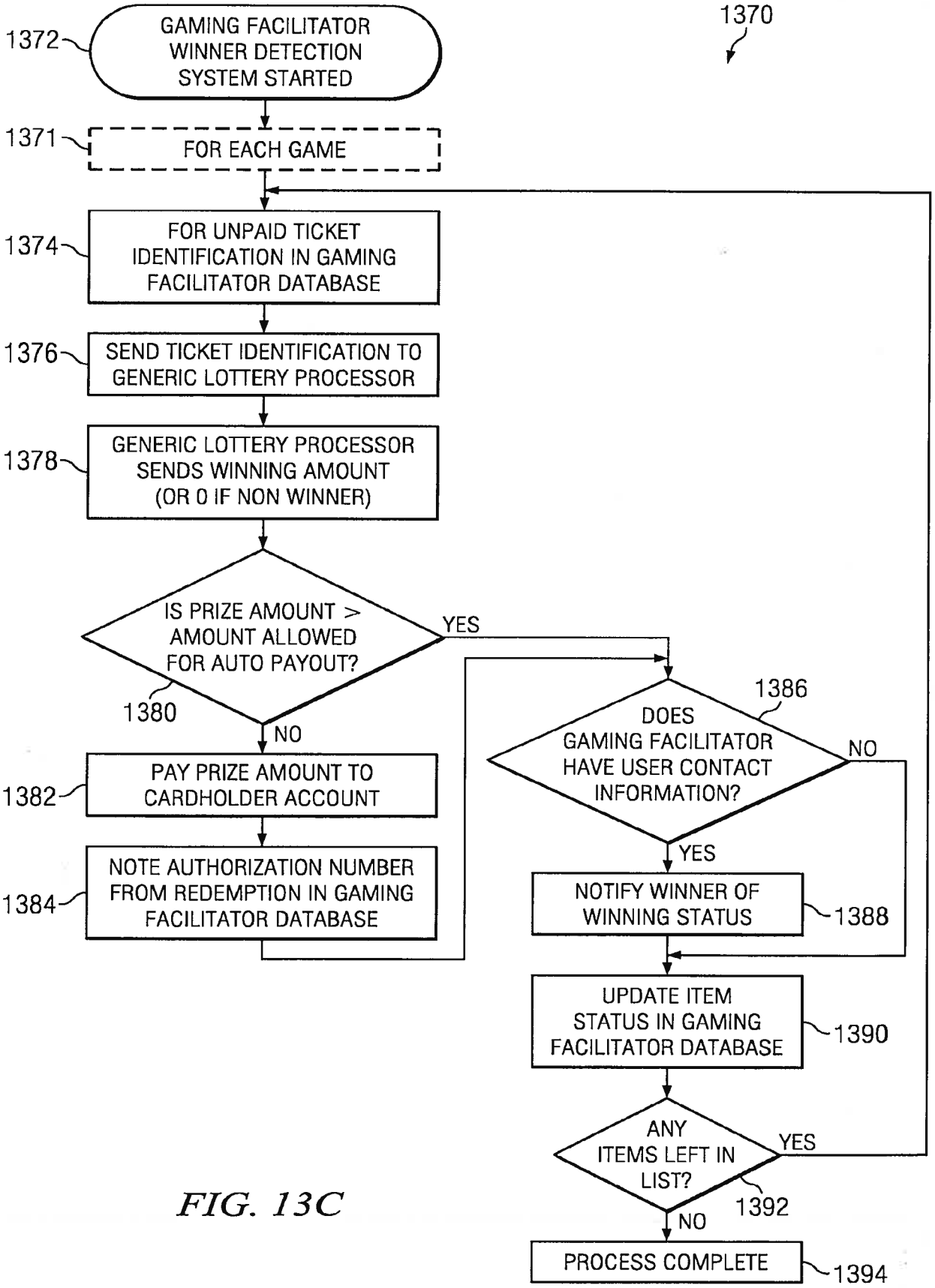

1370
1372
GAMING FACILITATOR WINNER DETECTION SYSTEM STARTED
1371
FOR EACH GAME
1374
FOR UNPAID TICKET IDENTIFICATION IN GAMING FACILITATOR DATABASE
1376
SEND TICKET IDENTIFICATION TO GENERIC LOTTERY PROCESSOR
1378
GENERIC LOTTERY PROCESSOR SENDS WINNING AMOUNT (OR 0 IF NON WINNER)
IS PRIZE AMOUNT > AMOUNT ALLOWED FOR AUTO PAYOUT?
1380
YES
NO
1382
PAY PRIZE AMOUNT TO CARDHOLDER ACCOUNT
1384
NOTE AUTHORIZATION NUMBER FROM REDEMPTION IN GAMING FACILITATOR DATABASE
1386
DOES GAMING FACILITATOR HAVE USER CONTACT INFORMATION?
NO
YES
NOTIFY WINNER OF WINNING STATUS
1388
UPDATE ITEM STATUS IN GAMING FACILITATOR DATABASE
1390
ANY ITEMS LEFT IN LIST?
YES
1392
NO
PROCESS COMPLETE
1394

FIG. 13C

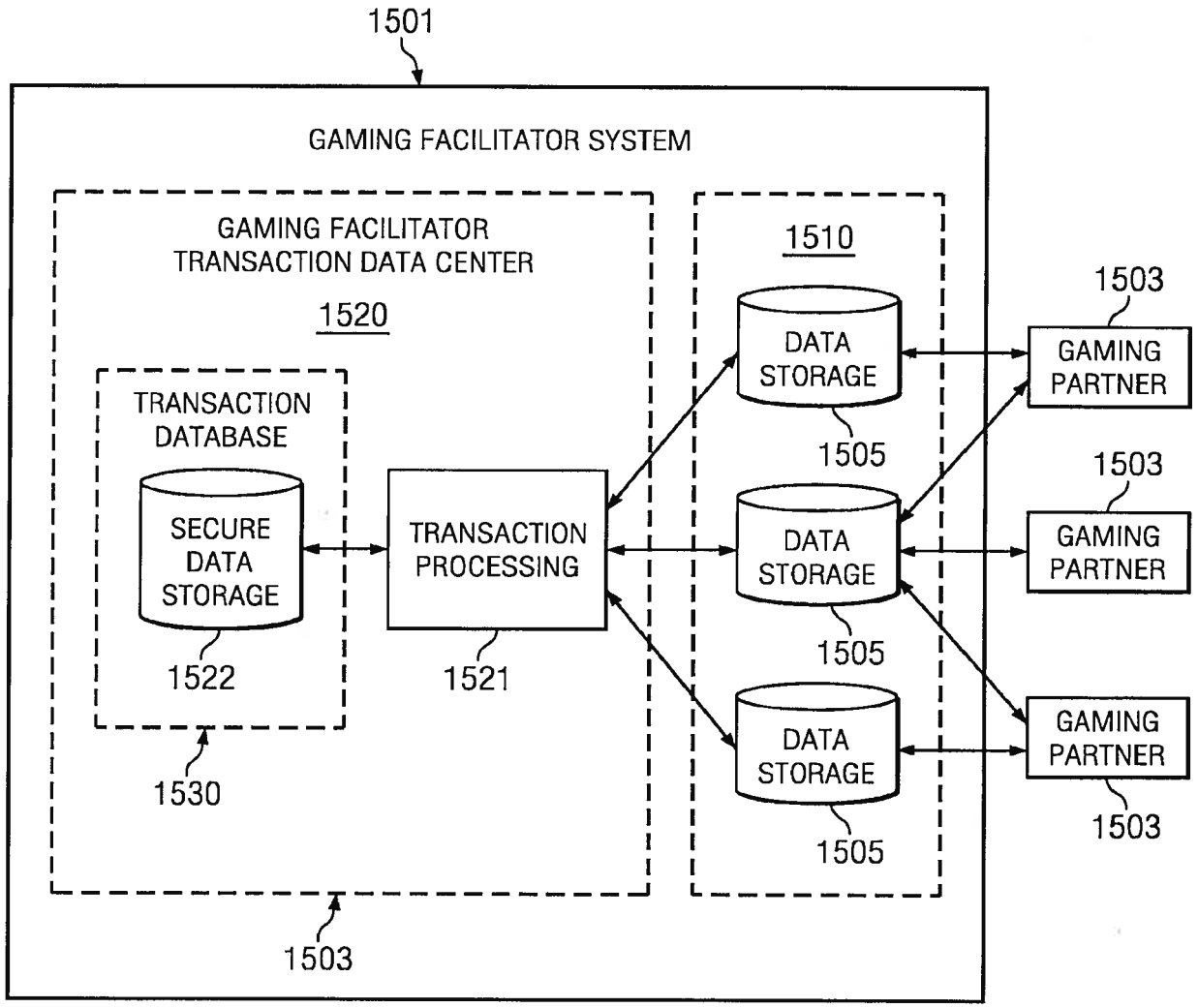
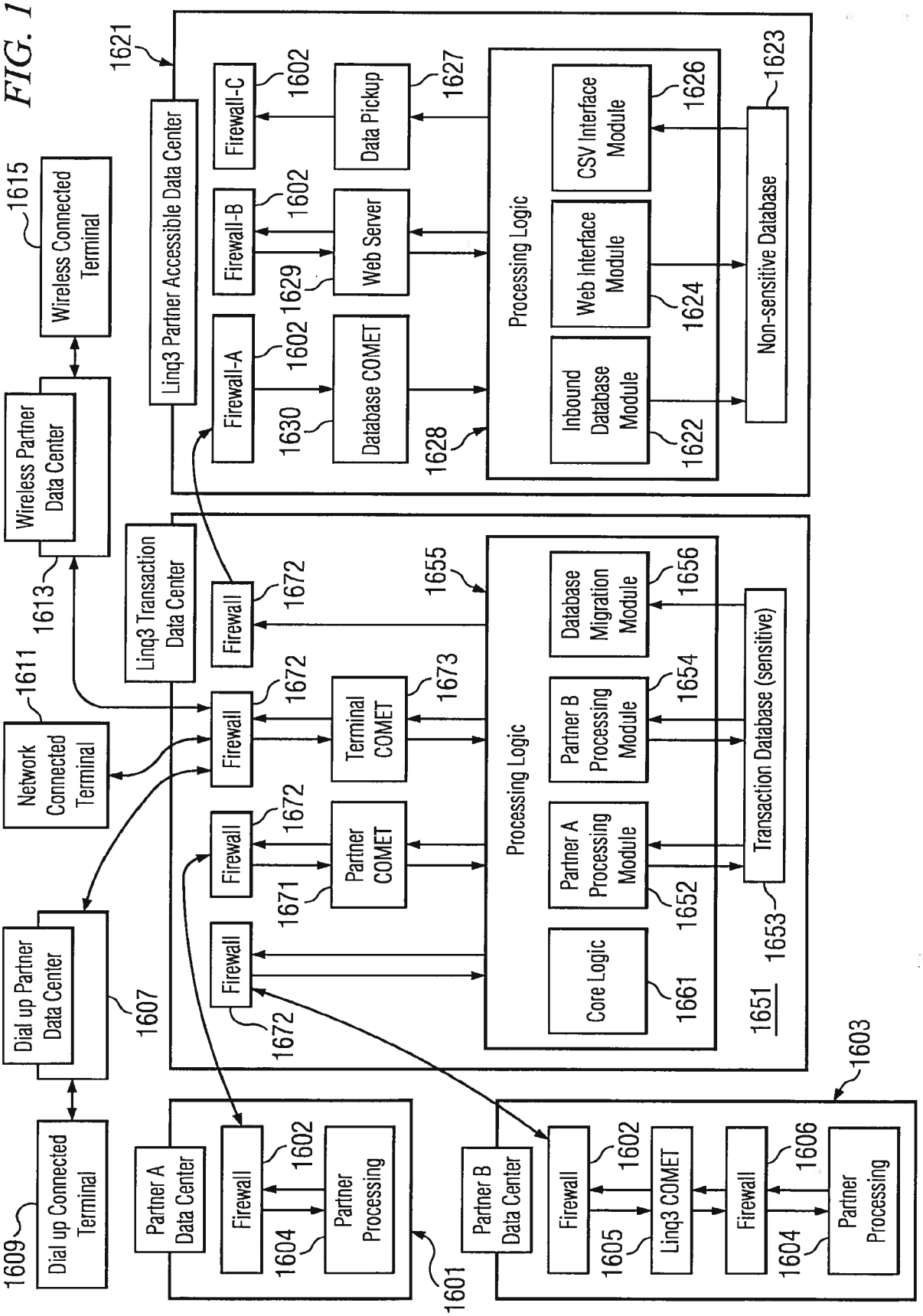

1501
GAMING FACILITATOR SYSTEM
GAMING FACILITATOR
TRANSACTION DATA CENTER
1520
TRANSACTION
DATABASE
SECURE
DATA
STORAGE
1522
1530
TRANSACTION
PROCESSING
1521
1503
1510
DATA
STORAGE
1505
DATA
STORAGE
1505
DATA
STORAGE
1505
1503
GAMING
PARTNER
1503
GAMING
PARTNER
GAMING
PARTNER
1503

FIG. 15

FIG. 16


1621
Linq3 Partner Accessible Data Center
Firewall-C
1602
Data Pickup
1627
Firewall-B
1602
Web Server
1629
Firewall-A
1602
Database COMET
1630
1628
Processing Logic
CSV Interface Module
1626
Web Interface Module
1624
Inbound Database Module
1622
1623
Non-sensitive Database
1615
Wireless Connected Terminal
Wireless Partner Data Center
1613
1611
Network Connected Terminal
Linq3 Transaction Data Center
Firewall
1672
Terminal COMET
1673
Partner COMET
1671
1655
Database Migration Module
1656
Partner B Processing Module
1654
Partner A Processing Module
1652
Transaction Database (sensitive)
1653
Core Logic
1661
1651
1607
Dial up Partner Data Center
1609
Dial up Connected Terminal
Partner A Data Center
Partner Processing
1604
1601
Partner B Data Center
1605
Linq3 COMET
1606
1603