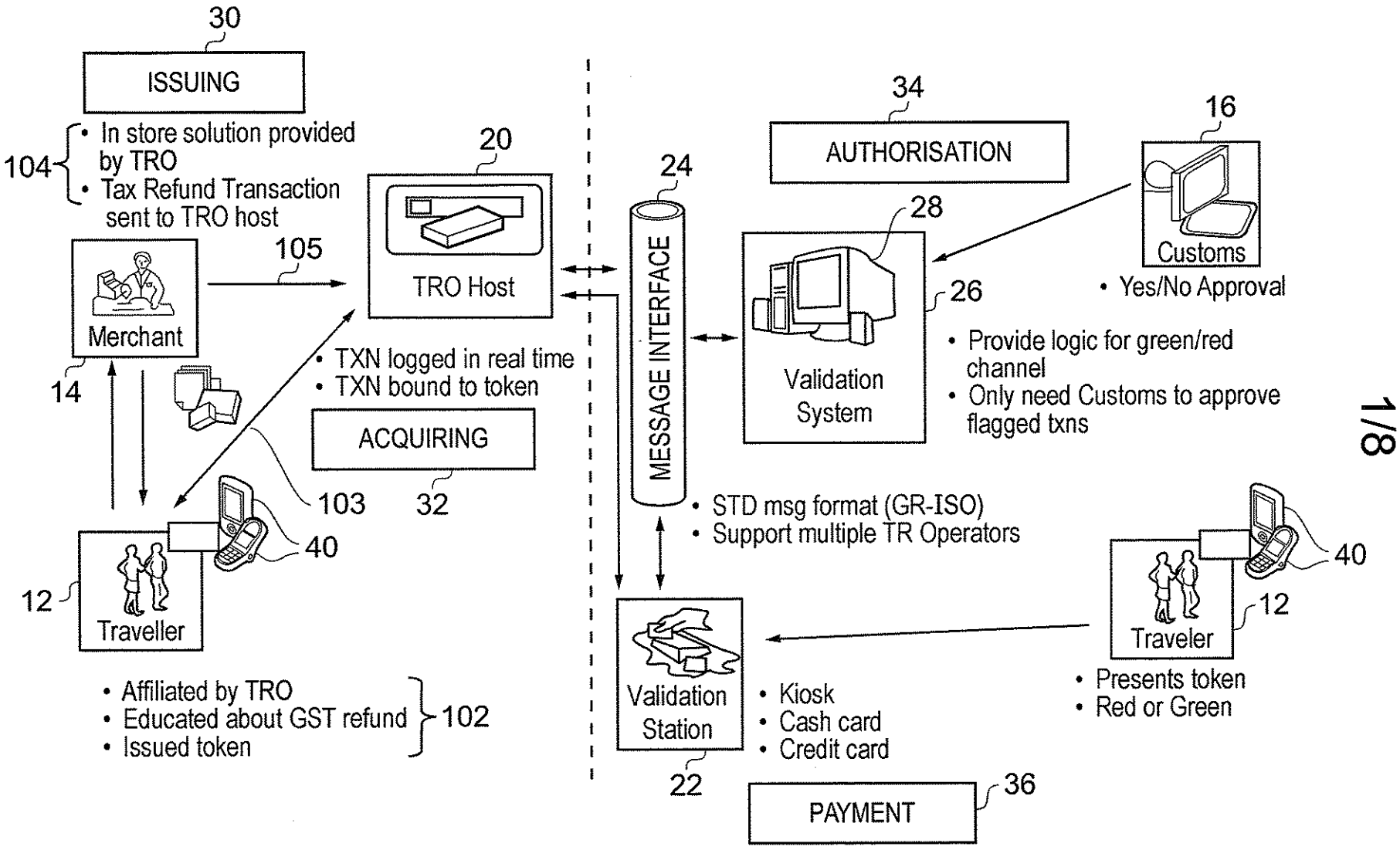

30
ISSUING
104
• In store solution provided by TRO
• Tax Refund Transaction sent to TRO host
20
TRO Host
105
Merchant
14
• TXN logged in real time
• TXN bound to token
ACQUIRING
32
103
40
12
Traveller
• Affiliated by TRO
• Educated about GST refund
• Issued token
102
24
MESSAGE INTERFACE
34
AUTHORISATION
28
Validation System
26
16
Customs
• Yes/No Approval
• Provide logic for green/red channel
• Only need Customs to approve flagged txns
• STD msg format (GR-ISO)
• Support multiple TR Operators
Validation Station
22
• Kiosk
• Cash card
• Credit card
PAYMENT
36
40
12
Traveler
• Presents token
• Red or Green

FIG. 1

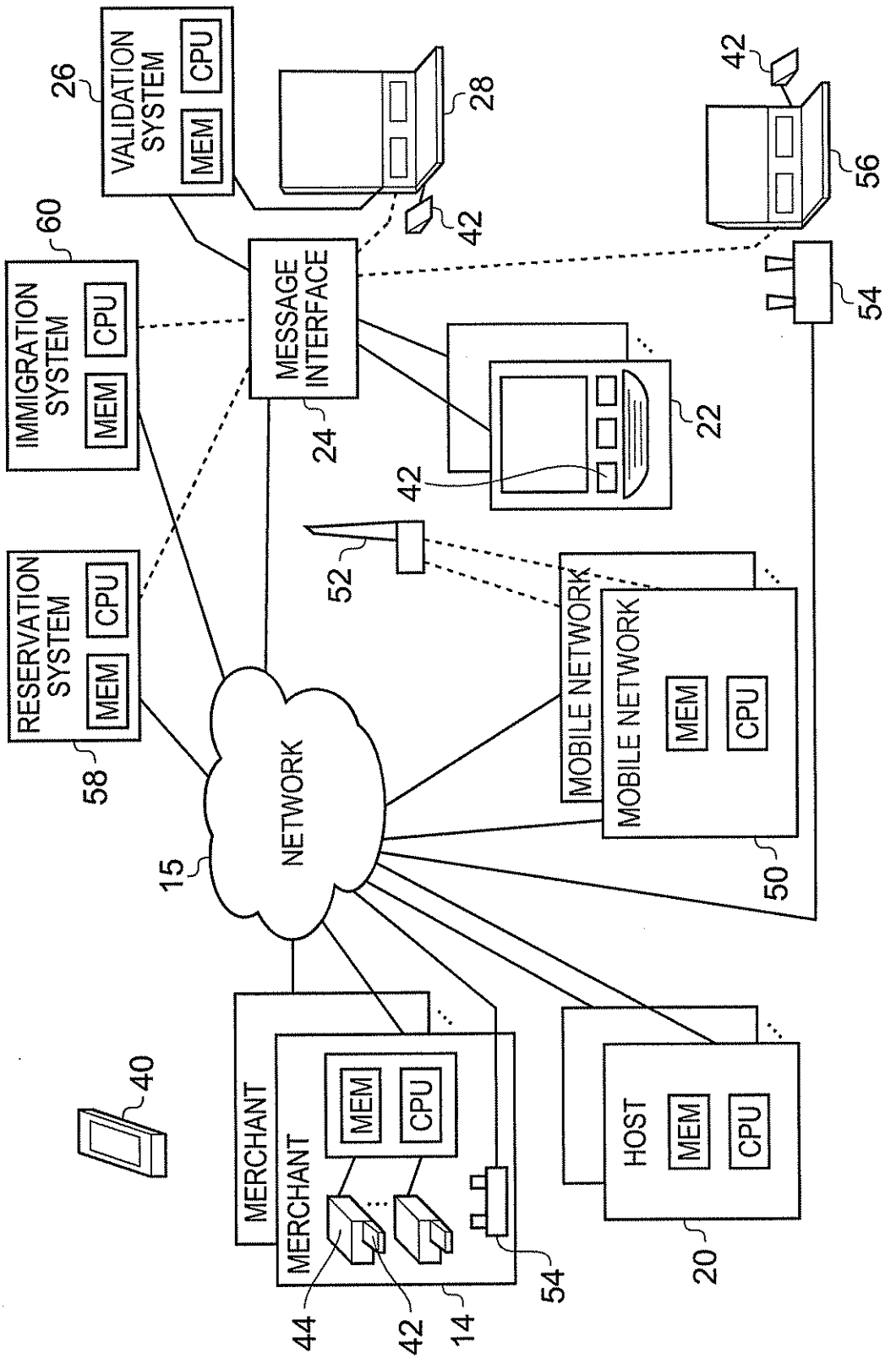

VALIDATION SYSTEM
MEM
CPU
26
28
42
60
IMMIGRATION SYSTEM
MEM
CPU
MESSAGE INTERFACE
24
22
42
52
RESERVATION SYSTEM
MEM
CPU
58
NETWORK
15
MOBILE NETWORK
MOBILE NETWORK
MEM
CPU
50
42
56
54
40
MERCHANT
MERCHANT
MEM
CPU
44
42
14
54
HOST
MEM
CPU
20

FIG. 2

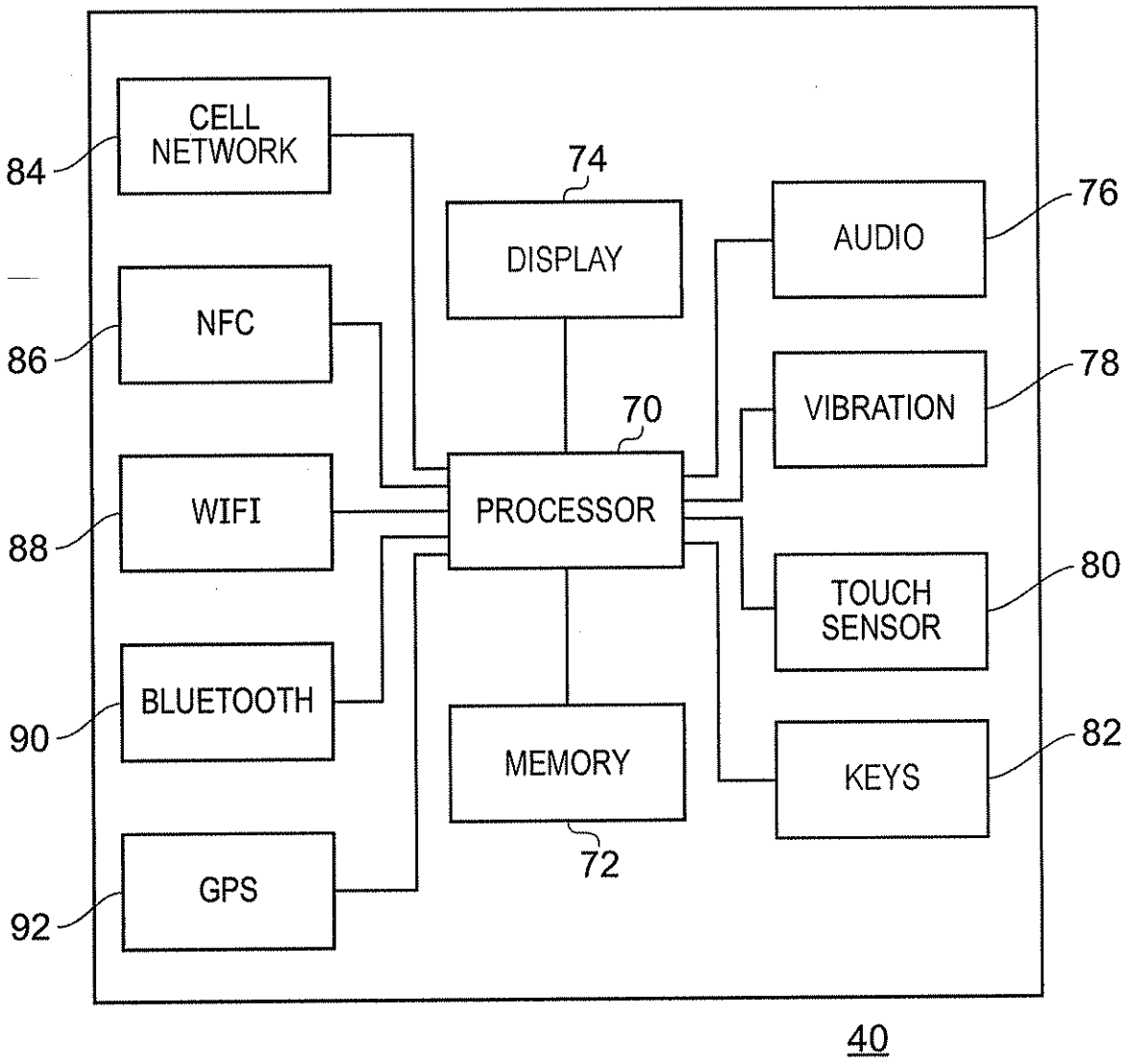

CELL NETWORK
84
NFC
86
WIFI
88
BLUETOOTH
90
GPS
92
74
DISPLAY
70
PROCESSOR
MEMORY
72
AUDIO
76
VIBRATION
78
TOUCH SENSOR
80
KEYS
82
40

FIG. 3

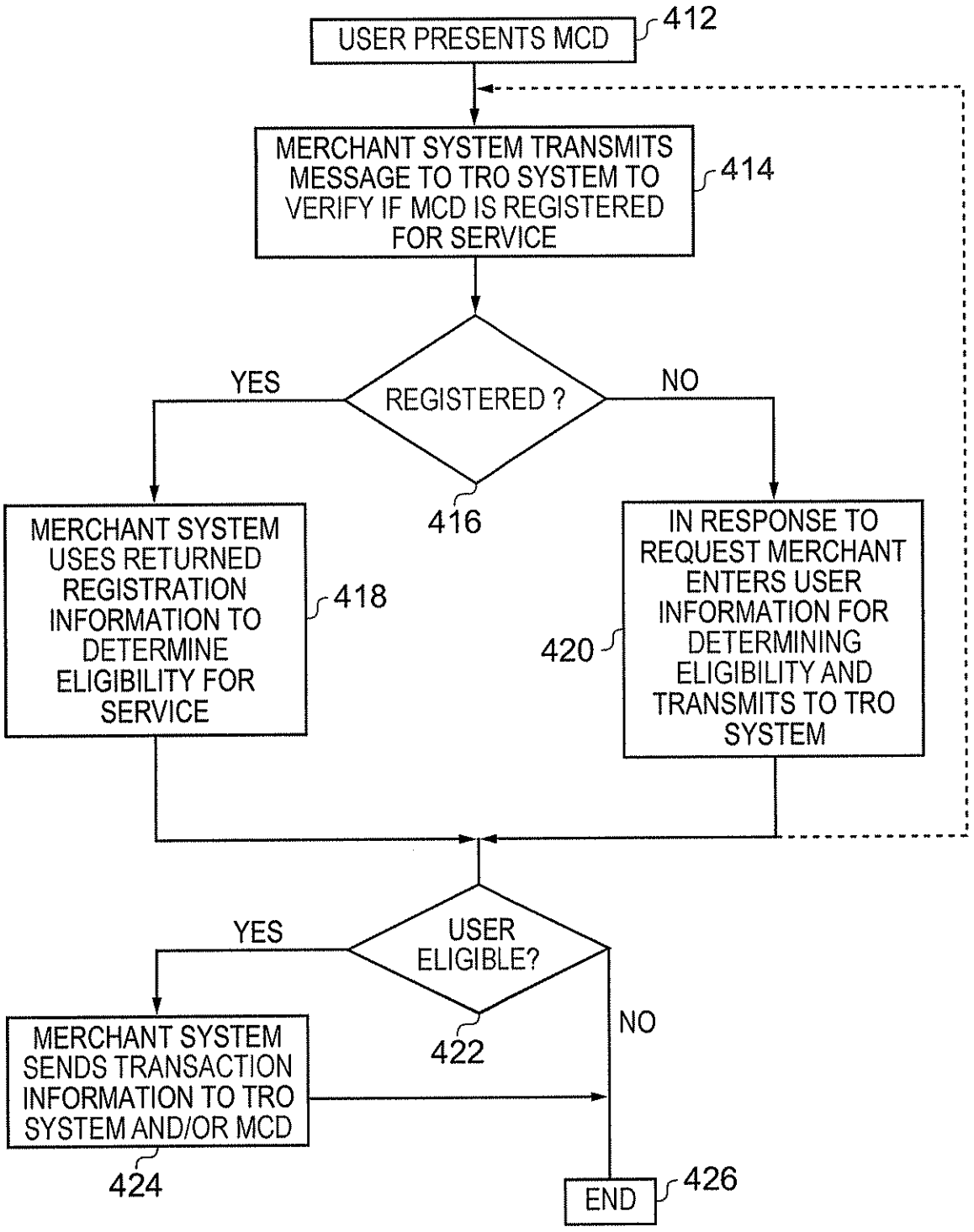

USER PRESENTS MCD
412
MERCHANT SYSTEM TRANSMITS MESSAGE TO TRO SYSTEM TO VERIFY IF MCD IS REGISTERED FOR SERVICE
414
REGISTERED ?
YES
NO
416
MERCHANT SYSTEM USES RETURNED REGISTRATION INFORMATION TO DETERMINE ELIGIBILITY FOR SERVICE
418
IN RESPONSE TO REQUEST MERCHANT ENTERS USER INFORMATION FOR DETERMINING ELIGIBILITY AND TRANSMITS TO TRO SYSTEM
420
USER ELIGIBLE?
YES
NO
422
MERCHANT SYSTEM SENDS TRANSACTION INFORMATION TO TRO SYSTEM AND/OR MCD
424
END
426

FIG. 4

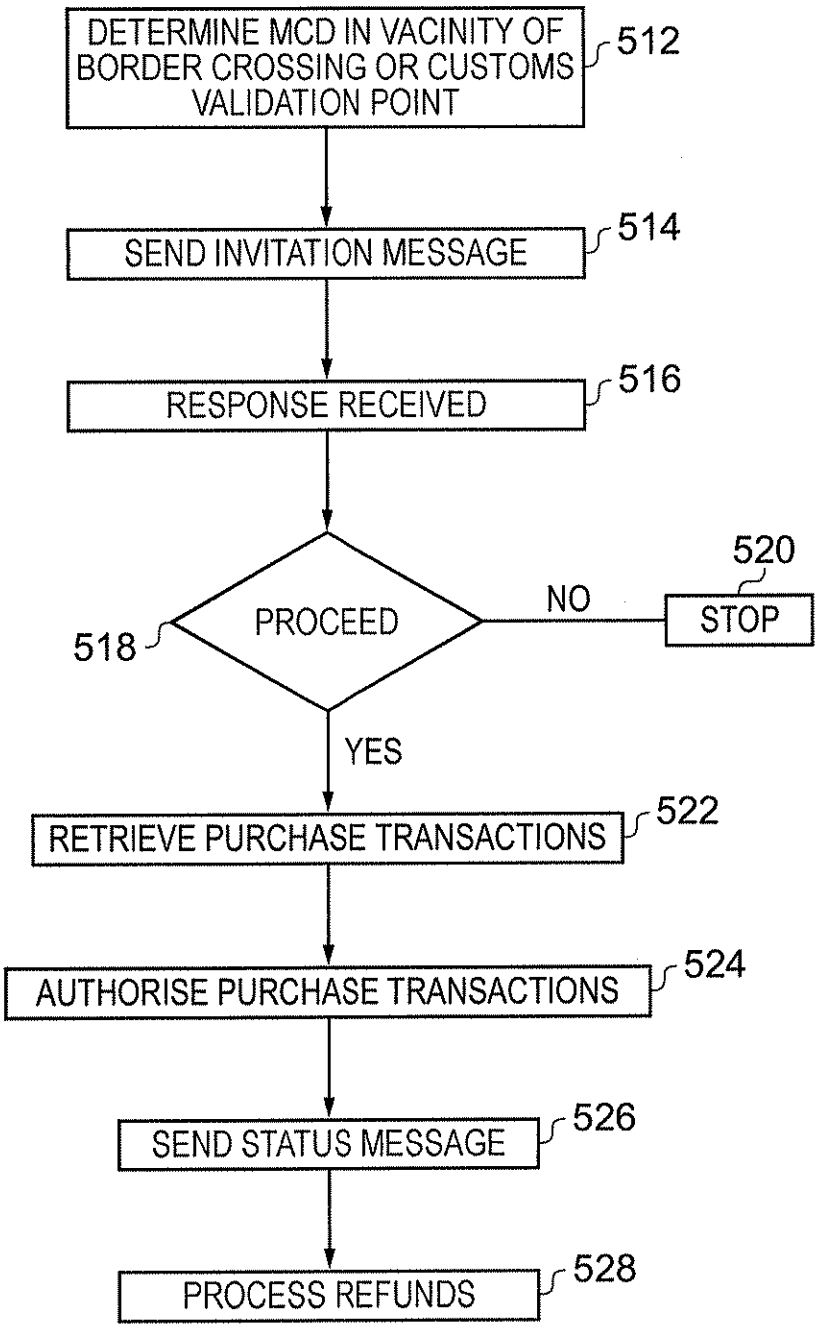

DETERMINE MCD IN VACINITY OF BORDER CROSSING OR CUSTOMS VALIDATION POINT
512
SEND INVITATION MESSAGE
514
RESPONSE RECEIVED
516
PROCEED
518
NO
STOP
520
YES
RETRIEVE PURCHASE TRANSACTIONS
522
AUTHORISE PURCHASE TRANSACTIONS
524
SEND STATUS MESSAGE
526
PROCESS REFUNDS
528

FIG. 5

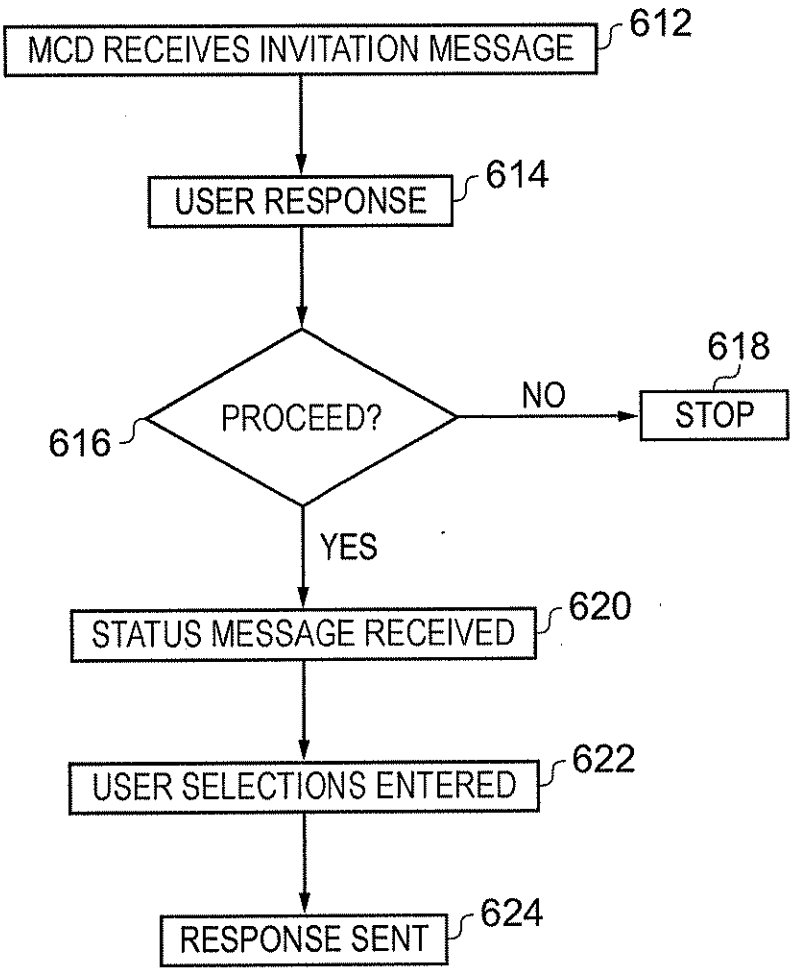

MCD RECEIVES INVITATION MESSAGE
612
USER RESPONSE
614
PROCEED?
616
NO
618
STOP
YES
STATUS MESSAGE RECEIVED
620
USER SELECTIONS ENTERED
622
RESPONSE SENT
624

FIG. 6

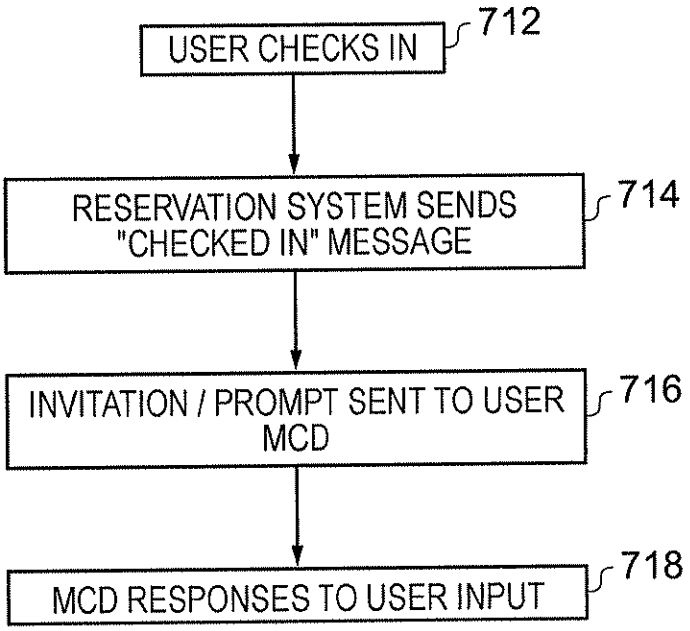

USER CHECKS IN
712
RESERVATION SYSTEM SENDS "CHECKED IN" MESSAGE
714
INVITATION / PROMPT SENT TO USER MCD
716
MCD RESPONSES TO USER INPUT
718

FIG. 7

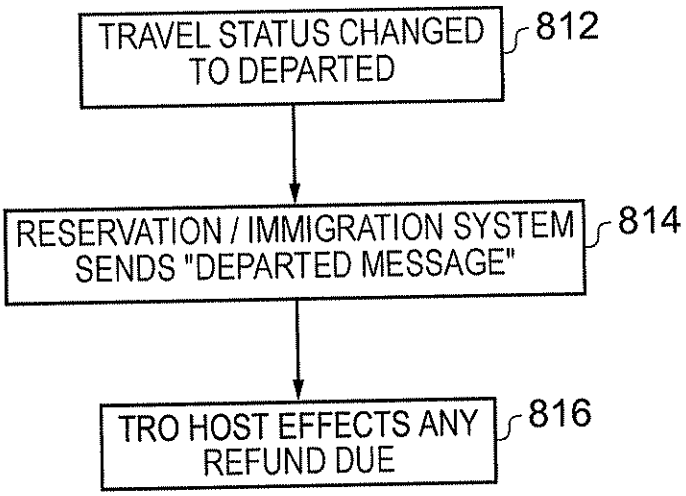

TRAVEL STATUS CHANGED TO DEPARTED
812
RESERVATION / IMMIGRATION SYSTEM SENDS "DEPARTED MESSAGE"
814
TRO HOST EFFECTS ANY REFUND DUE
816

FIG. 8