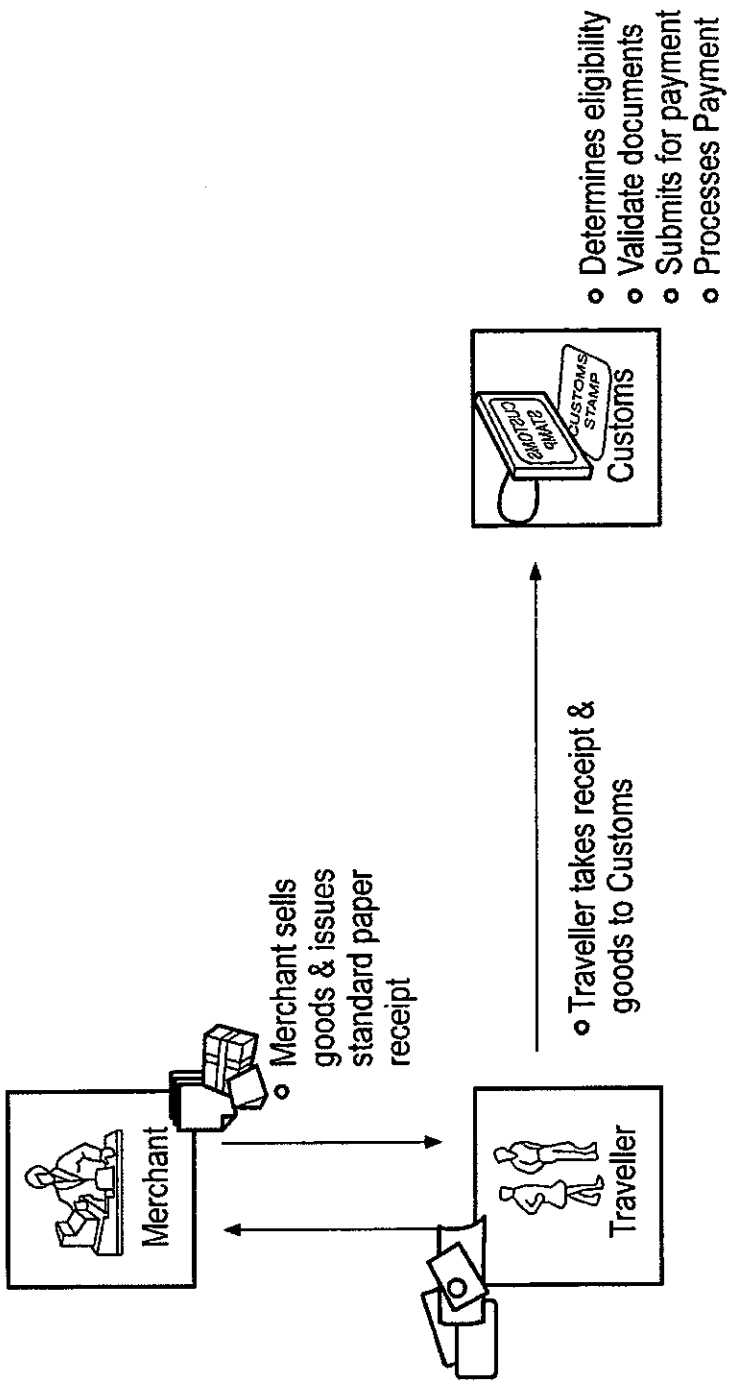

Merchant
Traveller
Customs
CUSTOMS STAMP
Merchant sells goods & issues standard paper receipt
Traveller takes receipt & goods to Customs
Determines eligibility
Validate documents
Submits for payment
Processes Payment

FIG. 1

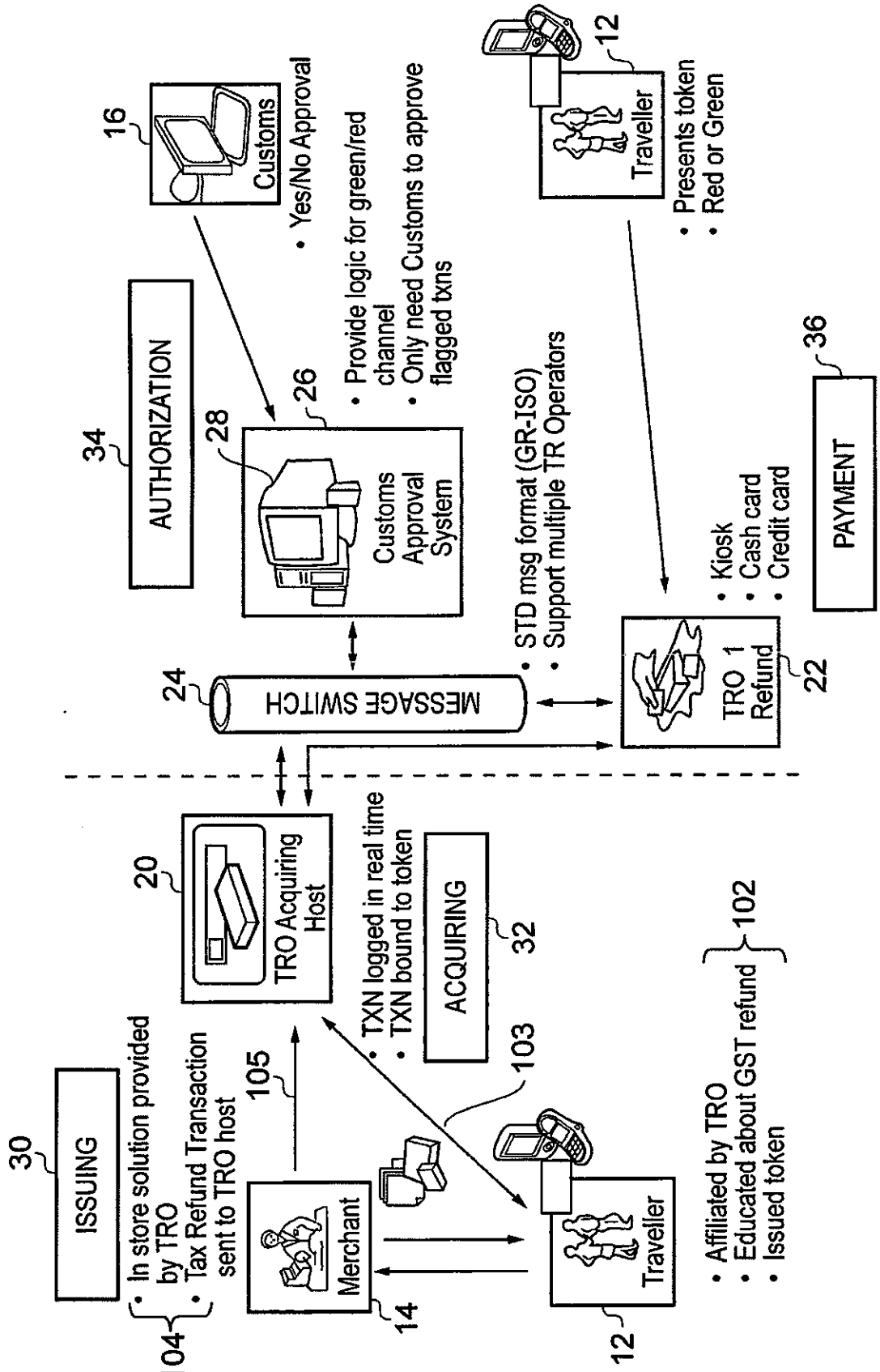

ISSUING
30
• In store solution provided by TRO
• Tax Refund Transaction sent to TRO host
104
105
Merchant
14
TRO Acquiring Host
20
• TXN logged in real time
• TXN bound to token
ACQUIRING
32
103
Traveller
12
• Affiliated by TRO
• Educated about GST refund
• Issued token
102
MESSAGE SWITCH
24
• STD msg format (GR-ISO)
• Support multiple TR Operators
TRO 1 Refund
22
• Kiosk
• Cash card
• Credit card
PAYMENT
36
AUTHORIZATION
34
Customs Approval System
28
26
• Provide logic for green/red channel
• Only need Customs to approve flagged txns
Customs
16
• Yes/No Approval
Traveller
12
• Presents token
• Red or Green

FIG. 2

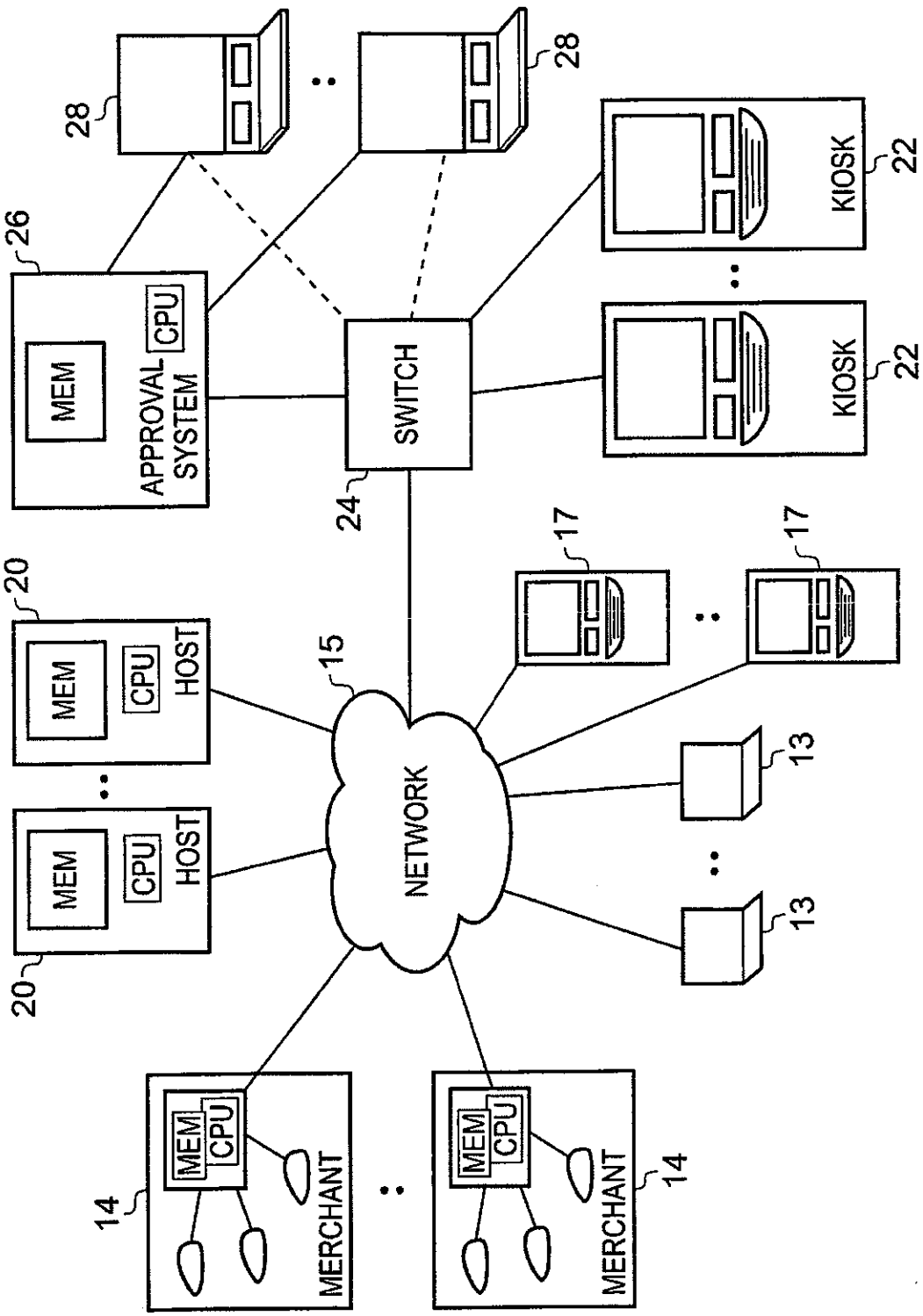

28
28
26
APPROVAL SYSTEM
CPU
MEM
SWITCH
24
KIOSK
22
KIOSK
22
20
HOST
CPU
MEM
20
HOST
CPU
MEM
15
NETWORK
17
17
13
13
14
MERCHANT
CPU
MEM
14
MERCHANT
CPU
MEM

FIG. 3

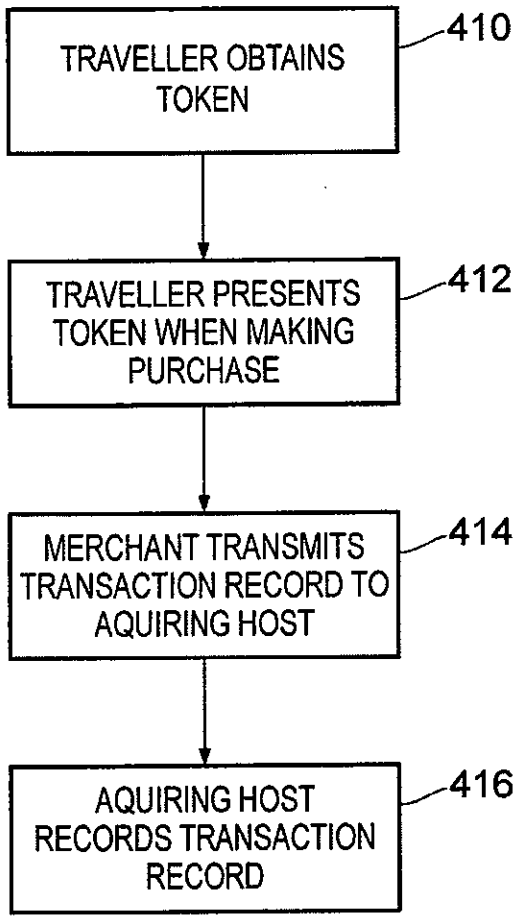

TRAVELLER OBTAINS TOKEN
410
TRAVELLER PRESENTS TOKEN WHEN MAKING PURCHASE
412
MERCHANT TRANSMITS TRANSACTION RECORD TO AQUIRING HOST
414
AQUIRING HOST RECORDS TRANSACTION RECORD
416

FIG. 4

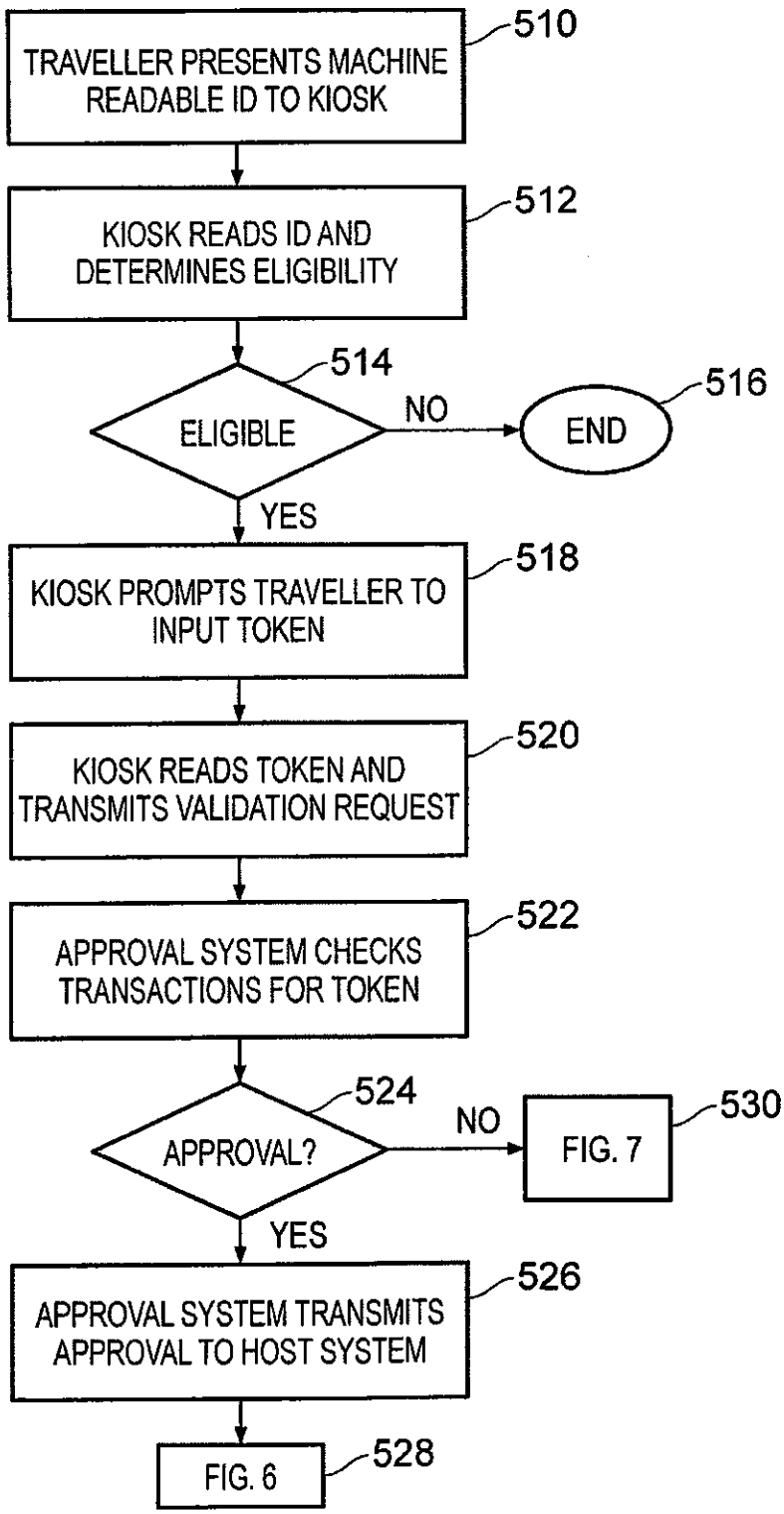

TRAVELLER PRESENTS MACHINE READABLE ID TO KIOSK
510
KIOSK READS ID AND DETERMINES ELIGIBILITY
512
ELIGIBLE
514
NO
END
516
YES
KIOSK PROMPTS TRAVELLER TO INPUT TOKEN
518
KIOSK READS TOKEN AND TRANSMITS VALIDATION REQUEST
520
APPROVAL SYSTEM CHECKS TRANSACTIONS FOR TOKEN
522
APPROVAL?
524
NO
FIG. 7
530
YES
APPROVAL SYSTEM TRANSMITS APPROVAL TO HOST SYSTEM
526
FIG. 6
528

FIG. 5

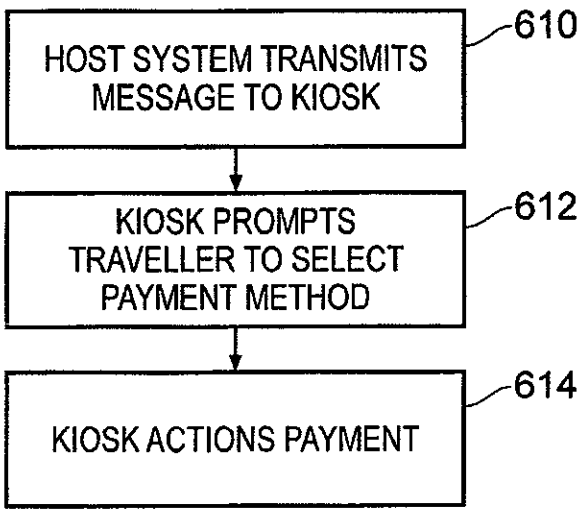

HOST SYSTEM TRANSMITS MESSAGE TO KIOSK
610
KIOSK PROMPTS TRAVELLER TO SELECT PAYMENT METHOD
612
KIOSK ACTIONS PAYMENT
614

FIG. 6

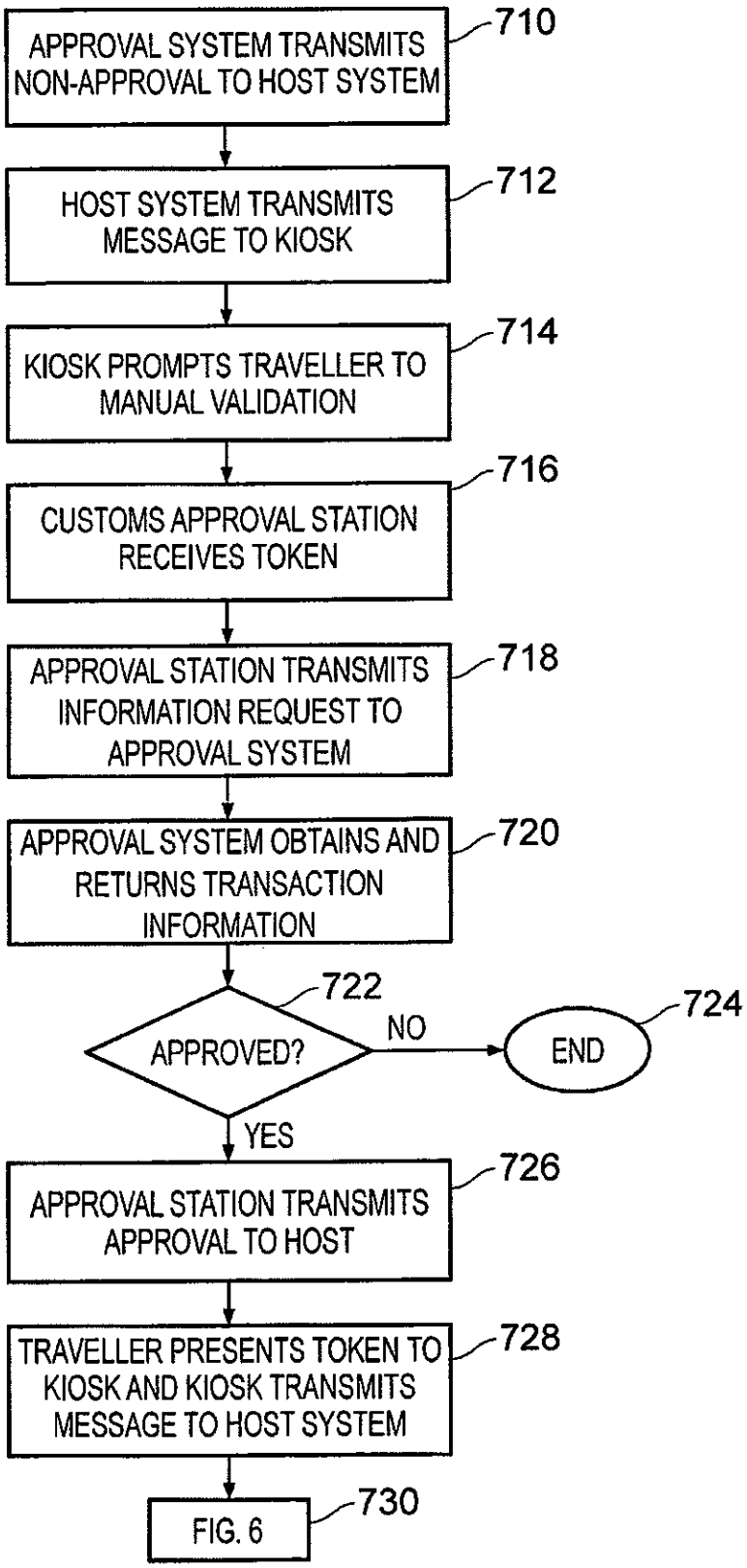

APPROVAL SYSTEM TRANSMITS NON-APPROVAL TO HOST SYSTEM
710
HOST SYSTEM TRANSMITS MESSAGE TO KIOSK
712
KIOSK PROMPTS TRAVELLER TO MANUAL VALIDATION
714
CUSTOMS APPROVAL STATION RECEIVES TOKEN
716
APPROVAL STATION TRANSMITS INFORMATION REQUEST TO APPROVAL SYSTEM
718
APPROVAL SYSTEM OBTAINS AND RETURNS TRANSACTION INFORMATION
720
APPROVED?
722
NO
END
724
YES
APPROVAL STATION TRANSMITS APPROVAL TO HOST
726
TRAVELLER PRESENTS TOKEN TO KIOSK AND KIOSK TRANSMITS MESSAGE TO HOST SYSTEM
728
FIG. 6
730

FIG. 7