FIG. 1

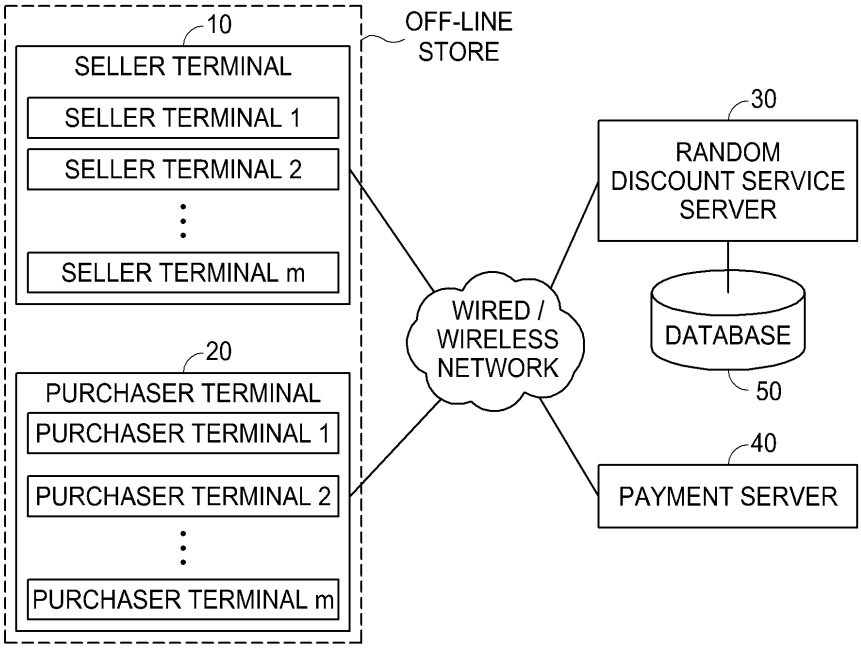

10
SELLER TERMINAL
SELLER TERMINAL 1
SELLER TERMINAL 2
SELLER TERMINAL m
20
PURCHASER TERMINAL
PURCHASER TERMINAL 1
PURCHASER TERMINAL 2
PURCHASER TERMINAL m
OFF-LINE STORE
WIRED / WIRELESS NETWORK
30
RANDOM DISCOUNT SERVICE SERVER
DATABASE
50
40
PAYMENT SERVER

FIG. 2

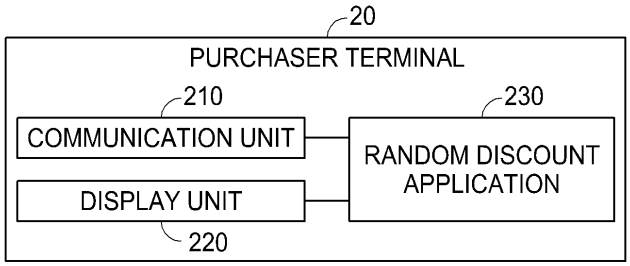

20
PURCHASER TERMINAL
210
COMMUNICATION UNIT
DISPLAY UNIT
220
230
RANDOM DISCOUNT APPLICATION

FIG. 3

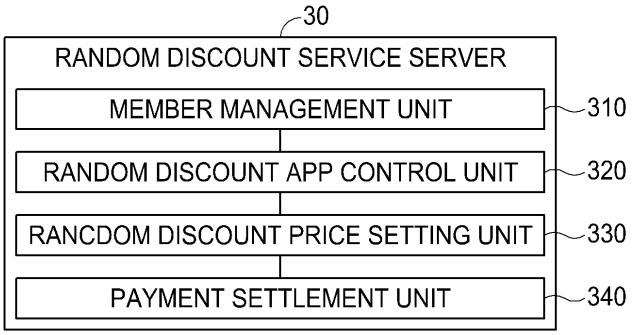

30
RANDOM DISCOUNT SERVICE SERVER
MEMBER MANAGEMENT UNIT
310
RANDOM DISCOUNT APP CONTROL UNIT
320
RANCDOM DISCOUNT PRICE SETTING UNIT
330
PAYMENT SETTLEMENT UNIT
340

FIG. 4

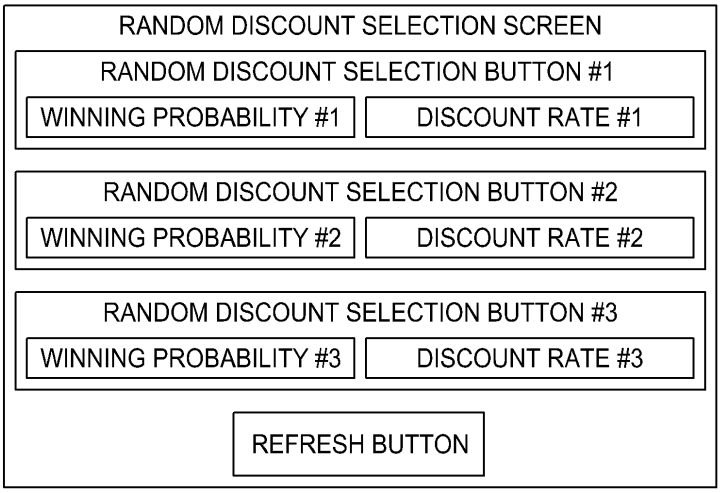

RANDOM DISCOUNT SELECTION SCREEN
RANDOM DISCOUNT SELECTION BUTTON #1
WINNING PROBABILITY #1
DISCOUNT RATE #1
RANDOM DISCOUNT SELECTION BUTTON #2
WINNING PROBABILITY #2
DISCOUNT RATE #2
RANDOM DISCOUNT SELECTION BUTTON #3
WINNING PROBABILITY #3
DISCOUNT RATE #3
REFRESH BUTTON

FIG. 5

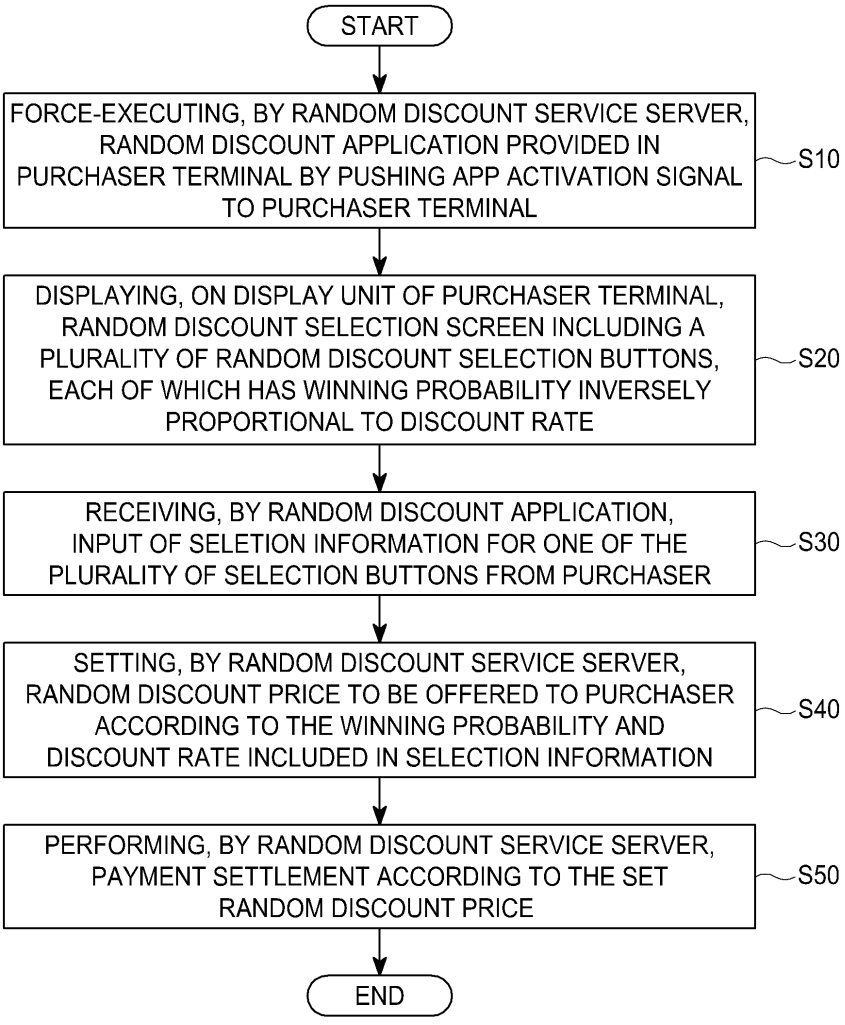

START
FORCE-EXECUTING, BY RANDOM DISCOUNT SERVICE SERVER, RANDOM DISCOUNT APPLICATION PROVIDED IN PURCHASER TERMINAL BY PUSHING APP ACTIVATION SIGNAL TO PURCHASER TERMINAL
S10
DISPLAYING, ON DISPLAY UNIT OF PURCHASER TERMINAL, RANDOM DISCOUNT SELECTION SCREEN INCLUDING A PLURALITY OF RANDOM DISCOUNT SELECTION BUTTONS, EACH OF WHICH HAS WINNING PROBABILITY INVERSELY PROPORTIONAL TO DISCOUNT RATE
S20
RECEIVING, BY RANDOM DISCOUNT APPLICATION, INPUT OF SELETION INFORMATION FOR ONE OF THE PLURALITY OF SELECTION BUTTONS FROM PURCHASER
S30
SETTING, BY RANDOM DISCOUNT SERVICE SERVER, RANDOM DISCOUNT PRICE TO BE OFFERED TO PURCHASER ACCORDING TO THE WINNING PROBABILITY AND DISCOUNT RATE INCLUDED IN SELECTION INFORMATION
S40
PERFORMING, BY RANDOM DISCOUNT SERVICE SERVER, PAYMENT SETTLEMENT ACCORDING TO THE SET RANDOM DISCOUNT PRICE
S50
END

FIG. 6

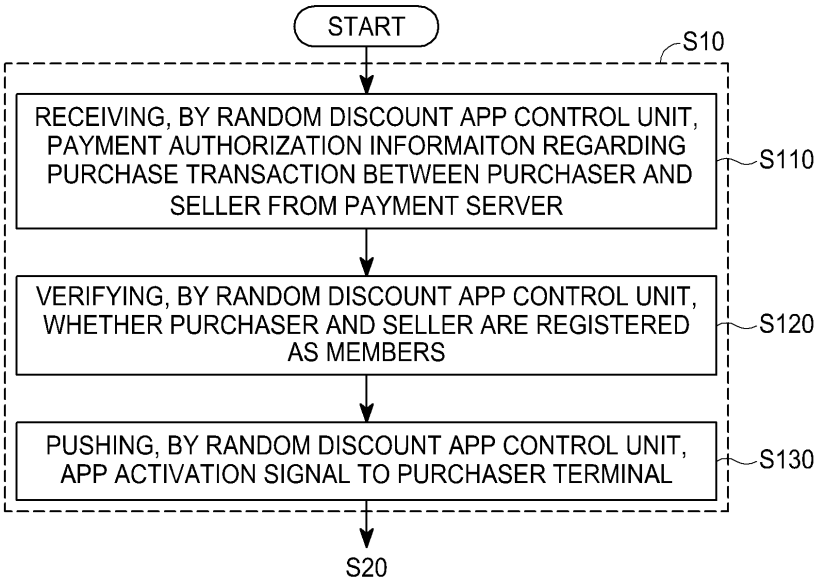

START
S10
RECEIVING, BY RANDOM DISCOUNT APP CONTROL UNIT, PAYMENT AUTHORIZATION INFORMAITON REGARDING PURCHASE TRANSACTION BETWEEN PURCHASER AND SELLER FROM PAYMENT SERVER
S110
VERIFYING, BY RANDOM DISCOUNT APP CONTROL UNIT, WHETHER PURCHASER AND SELLER ARE REGISTERED AS MEMBERS
S120
PUSHING, BY RANDOM DISCOUNT APP CONTROL UNIT, APP ACTIVATION SIGNAL TO PURCHASER TERMINAL
S130
S20

FIG. 7

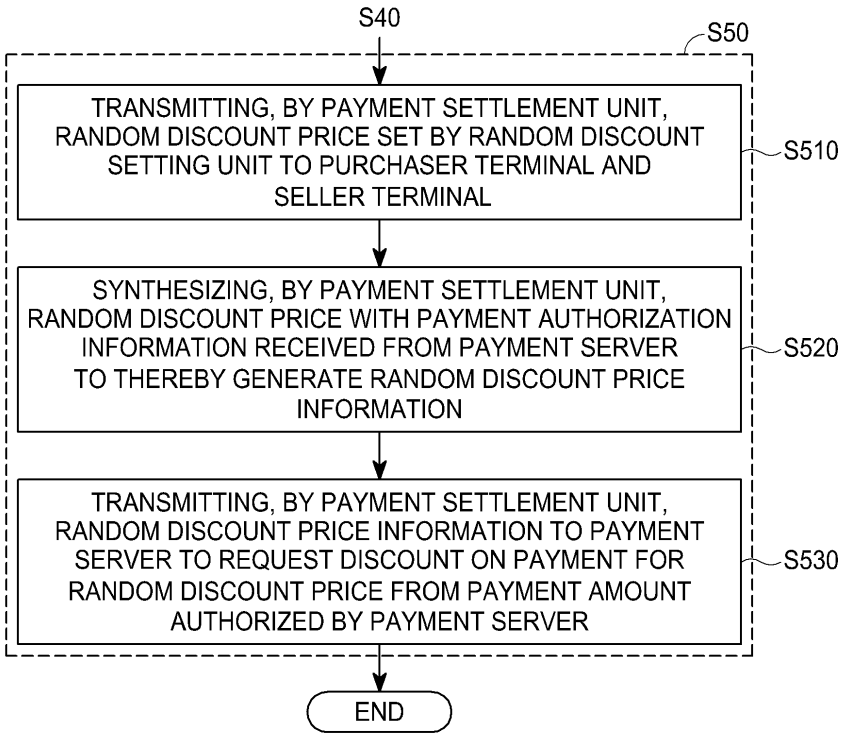
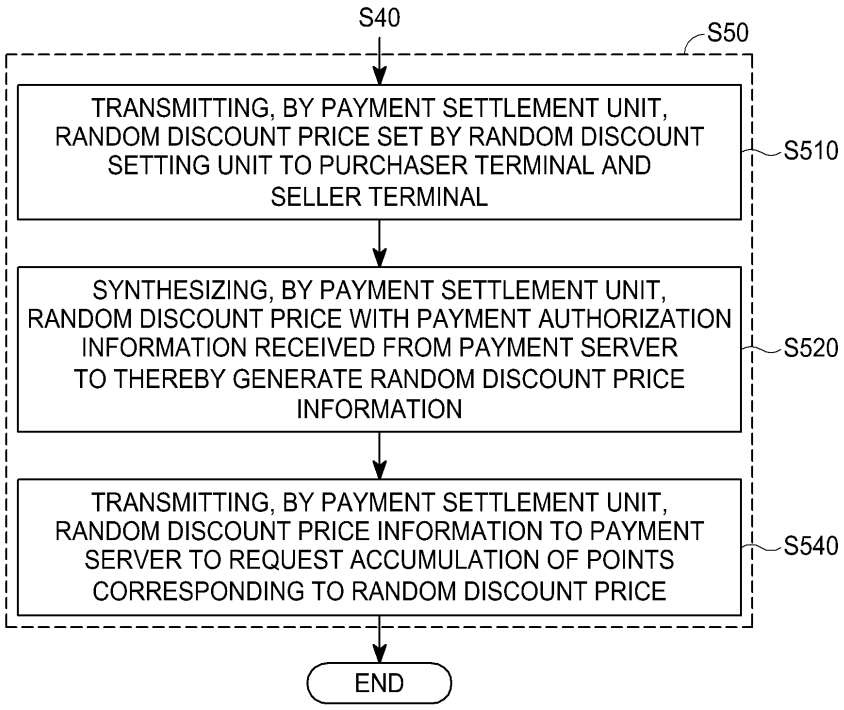

S40
S50
TRANSMITTING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE SET BY RANDOM DISCOUNT SETTING UNIT TO PURCHASER TERMINAL AND SELLER TERMINAL
S510
SYNTHESIZING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE WITH PAYMENT AUTHORIZATION INFORMATION RECEIVED FROM PAYMENT SERVER TO THEREBY GENERATE RANDOM DISCOUNT PRICE INFORMATION
S520
TRANSMITTING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE INFORMATION TO PAYMENT SERVER TO REQUEST DISCOUNT ON PAYMENT FOR RANDOM DISCOUNT PRICE FROM PAYMENT AMOUNT AUTHORIZED BY PAYMENT SERVER
S530
END

FIG. 8


S40
S50
TRANSMITTING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE SET BY RANDOM DISCOUNT SETTING UNIT TO PURCHASER TERMINAL AND SELLER TERMINAL
S510
SYNTHESIZING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE WITH PAYMENT AUTHORIZATION INFORMATION RECEIVED FROM PAYMENT SERVER TO THEREBY GENERATE RANDOM DISCOUNT PRICE INFORMATION
S520
TRANSMITTING, BY PAYMENT SETTLEMENT UNIT, RANDOM DISCOUNT PRICE INFORMATION TO PAYMENT SERVER TO REQUEST ACCUMULATION OF POINTS CORRESPONDING TO RANDOM DISCOUNT PRICE
S540
END