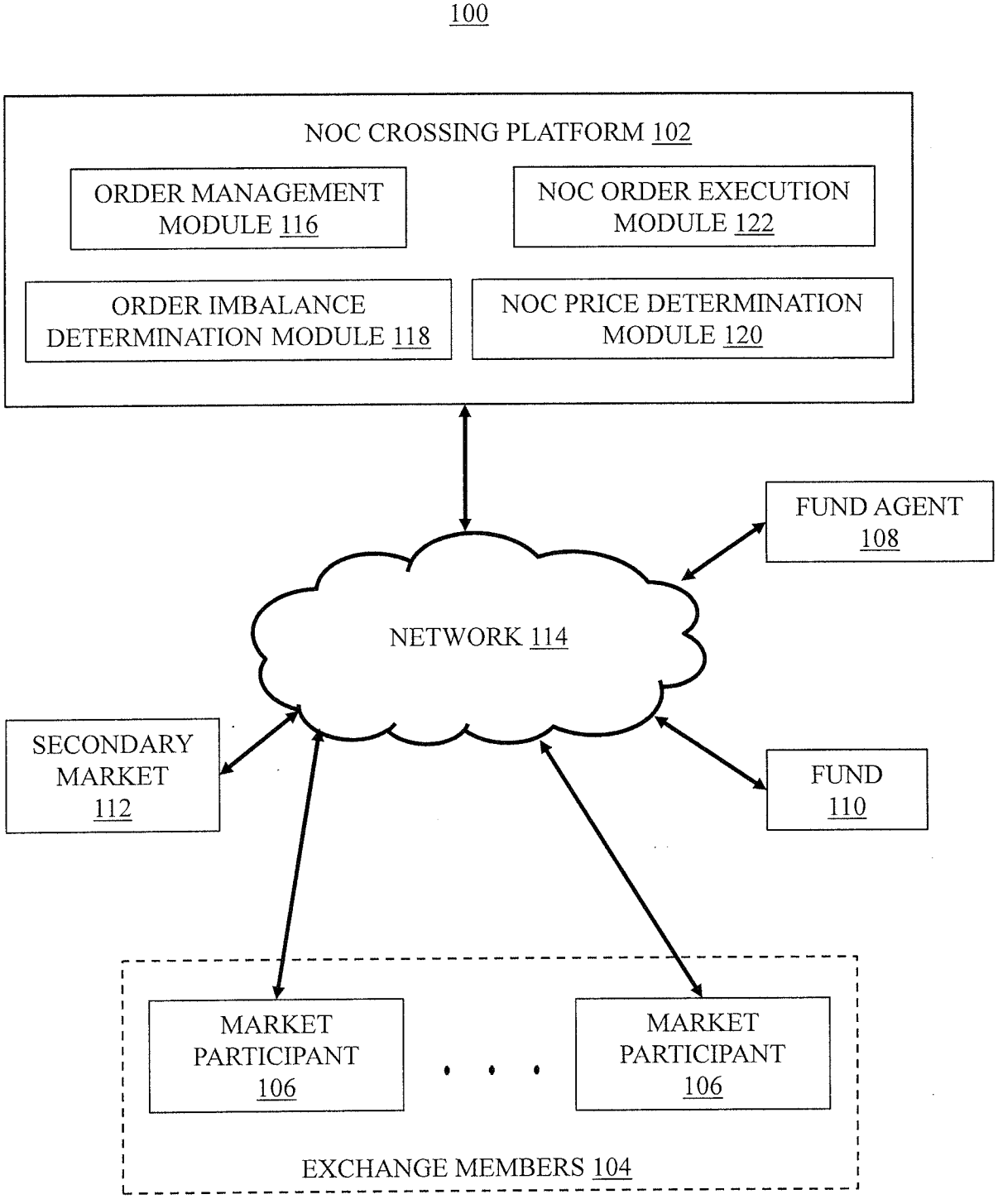

100
NOC CROSSING PLATFORM 102
ORDER MANAGEMENT MODULE 116
NOC ORDER EXECUTION MODULE 122
ORDER IMBALANCE DETERMINATION MODULE 118
NOC PRICE DETERMINATION MODULE 120
FUND AGENT 108
NETWORK 114
SECONDARY MARKET 112
FUND 110
MARKET PARTICIPANT 106
MARKET PARTICIPANT 106
EXCHANGE MEMBERS 104

FIG. 1

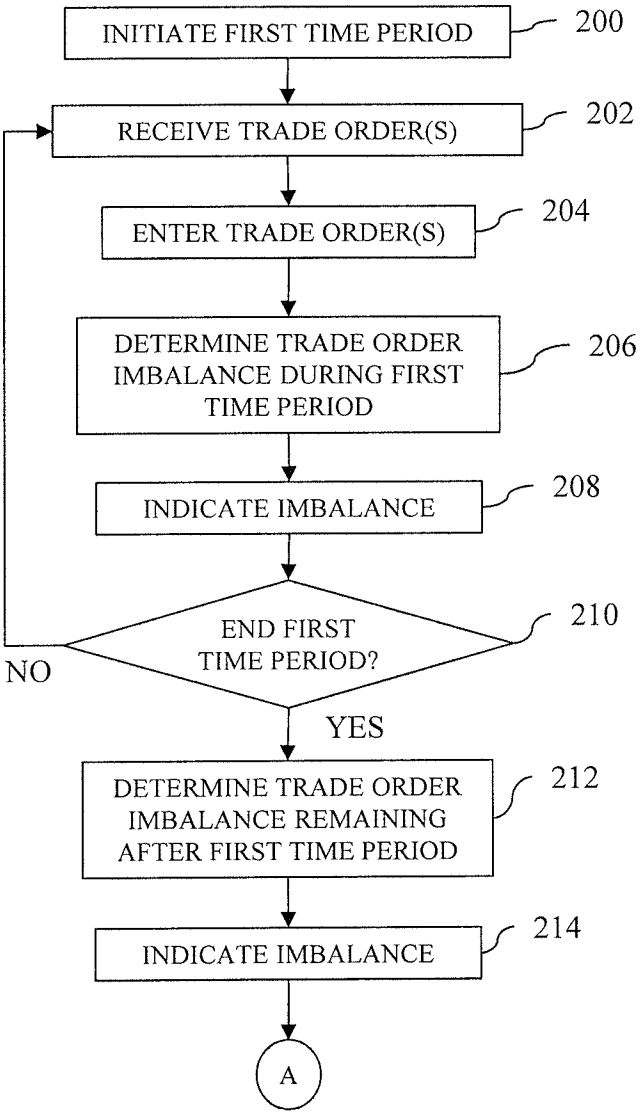

INITIATE FIRST TIME PERIOD
200
RECEIVE TRADE ORDER(S)
202
ENTER TRADE ORDER(S)
204
DETERMINE TRADE ORDER IMBALANCE DURING FIRST TIME PERIOD
206
INDICATE IMBALANCE
208
END FIRST TIME PERIOD?
210
NO
YES
DETERMINE TRADE ORDER IMBALANCE REMAINING AFTER FIRST TIME PERIOD
212
INDICATE IMBALANCE
214
A

FIG. 2A

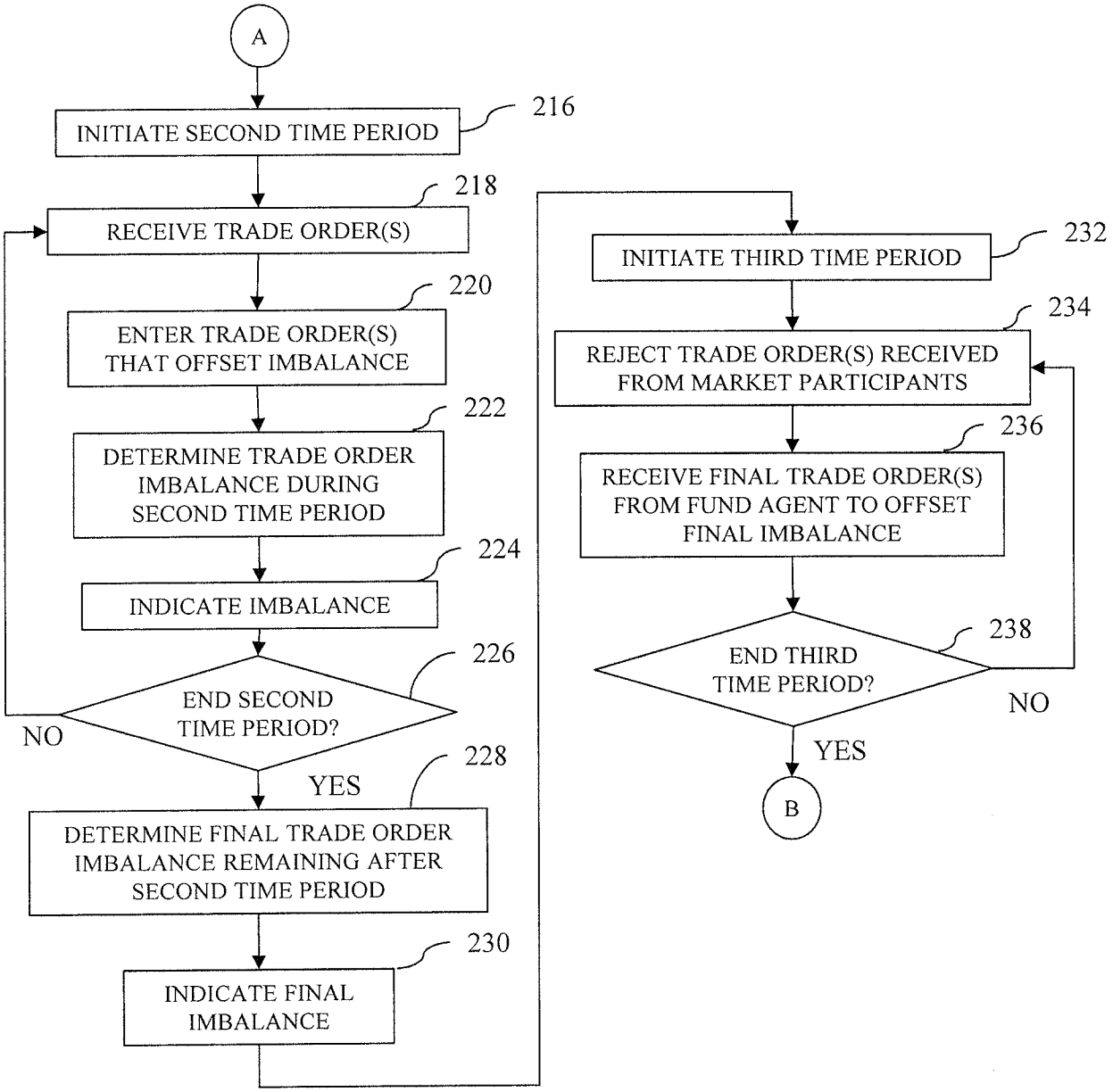

A
INITIATE SECOND TIME PERIOD
216
RECEIVE TRADE ORDER(S)
218
ENTER TRADE ORDER(S) THAT OFFSET IMBALANCE
220
DETERMINE TRADE ORDER IMBALANCE DURING SECOND TIME PERIOD
222
INDICATE IMBALANCE
224
END SECOND TIME PERIOD?
226
NO
YES
DETERMINE FINAL TRADE ORDER IMBALANCE REMAINING AFTER SECOND TIME PERIOD
228
INDICATE FINAL IMBALANCE
230
INITIATE THIRD TIME PERIOD
232
REJECT TRADE ORDER(S) RECEIVED FROM MARKET PARTICIPANTS
234
RECEIVE FINAL TRADE ORDER(S) FROM FUND AGENT TO OFFSET FINAL IMBALANCE
236
END THIRD TIME PERIOD?
238
NO
YES
B

FIG. 2B

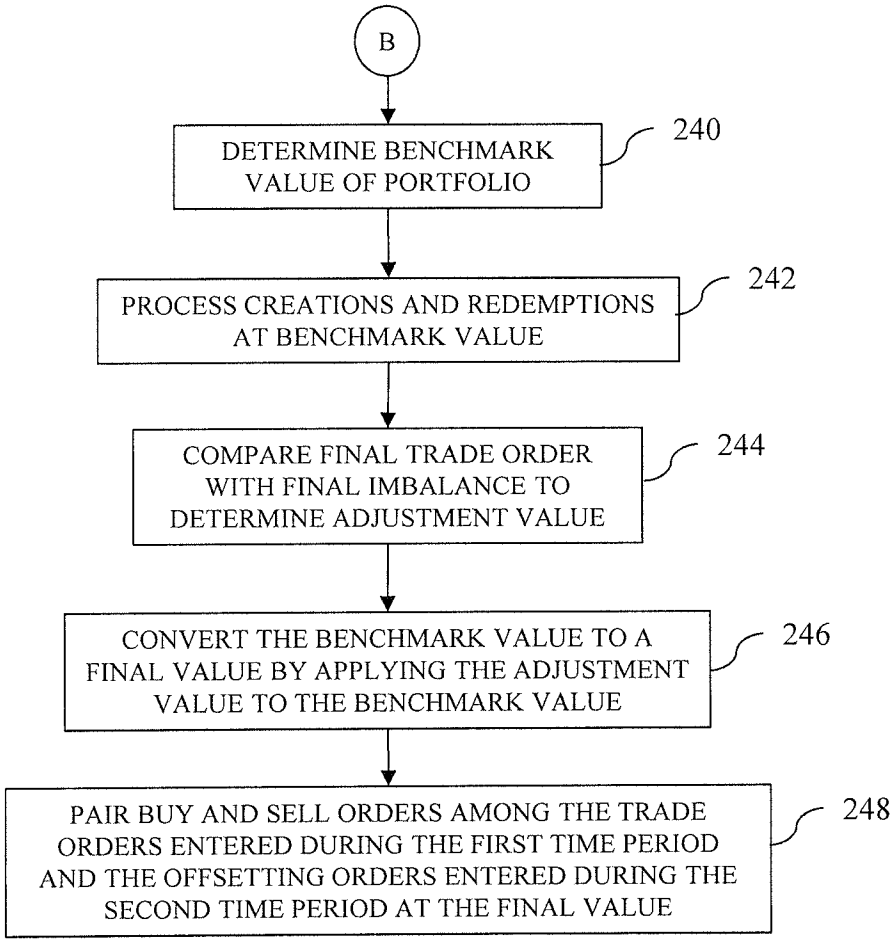

B
DETERMINE BENCHMARK VALUE OF PORTFOLIO
240
PROCESS CREATIONS AND REDEMPTIONS AT BENCHMARK VALUE
242
COMPARE FINAL TRADE ORDER WITH FINAL IMBALANCE TO DETERMINE ADJUSTMENT VALUE
244
CONVERT THE BENCHMARK VALUE TO A FINAL VALUE BY APPLYING THE ADJUSTMENT VALUE TO THE BENCHMARK VALUE
246
PAIR BUY AND SELL ORDERS AMONG THE TRADE ORDERS ENTERED DURING THE FIRST TIME PERIOD AND THE OFFSETTING ORDERS ENTERED DURING THE SECOND TIME PERIOD AT THE FINAL VALUE
248

FIG. 2C

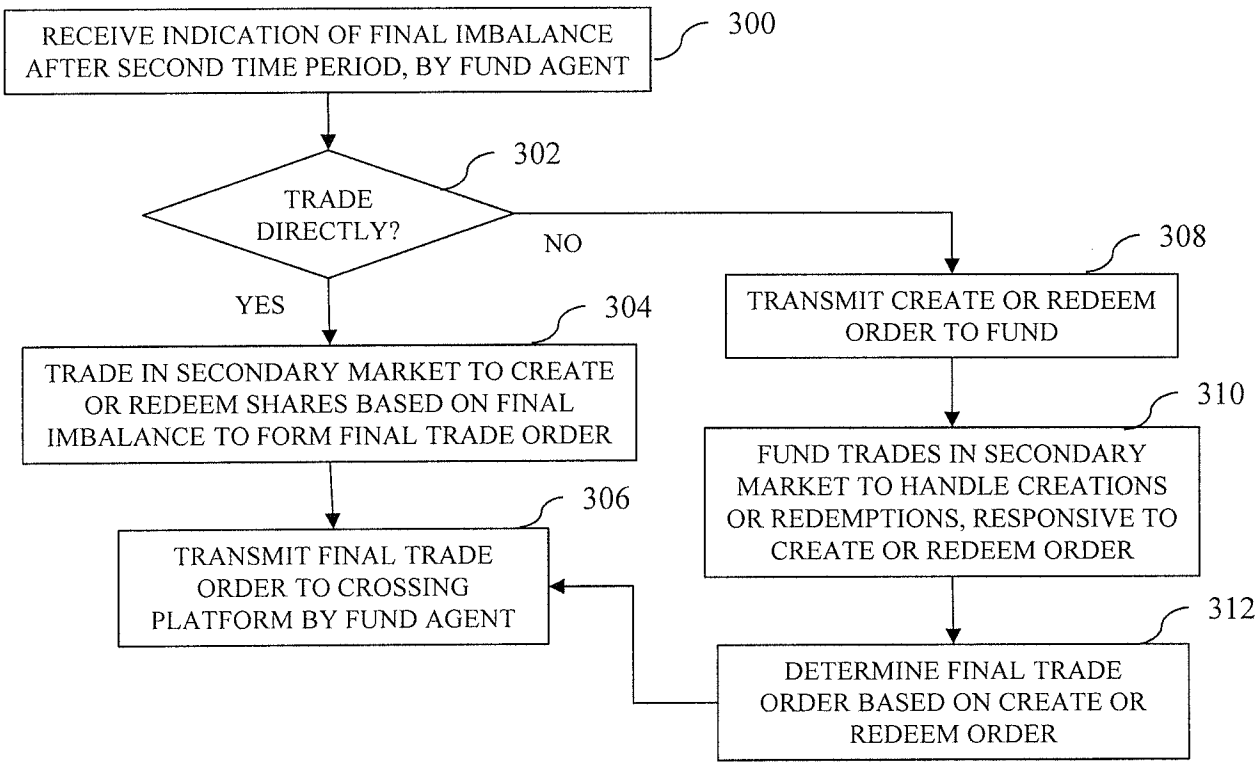

RECEIVE INDICATION OF FINAL IMBALANCE AFTER SECOND TIME PERIOD, BY FUND AGENT
300
TRADE DIRECTLY?
302
NO
YES
TRANSMIT CREATE OR REDEEM ORDER TO FUND
308
TRADE IN SECONDARY MARKET TO CREATE OR REDEEM SHARES BASED ON FINAL IMBALANCE TO FORM FINAL TRADE ORDER
304
FUND TRADES IN SECONDARY MARKET TO HANDLE CREATIONS OR REDEMPTIONS, RESPONSIVE TO CREATE OR REDEEM ORDER
310
TRANSMIT FINAL TRADE ORDER TO CROSSING PLATFORM BY FUND AGENT
306
DETERMINE FINAL TRADE ORDER BASED ON CREATE OR REDEEM ORDER
312

FIG. 3A

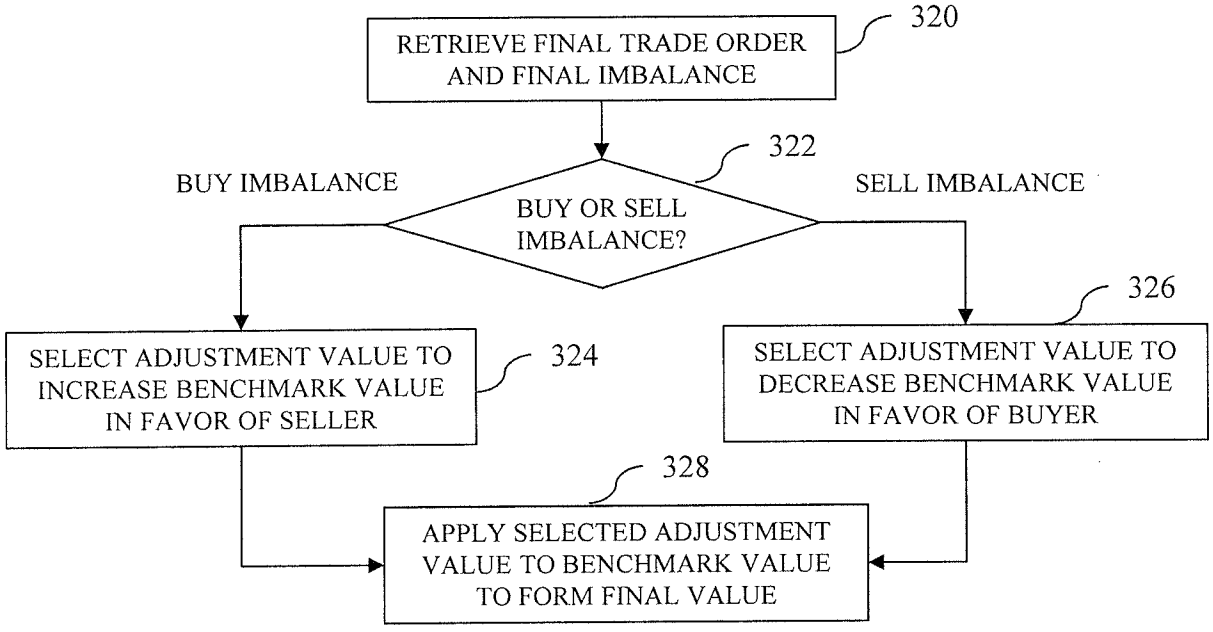

RETRIEVE FINAL TRADE ORDER AND FINAL IMBALANCE
320
BUY OR SELL IMBALANCE?
322
BUY IMBALANCE
SELL IMBALANCE
SELECT ADJUSTMENT VALUE TO INCREASE BENCHMARK VALUE IN FAVOR OF SELLER
324
SELECT ADJUSTMENT VALUE TO DECREASE BENCHMARK VALUE IN FAVOR OF BUYER
326
APPLY SELECTED ADJUSTMENT VALUE TO BENCHMARK VALUE TO FORM FINAL VALUE
328

FIG. 3B

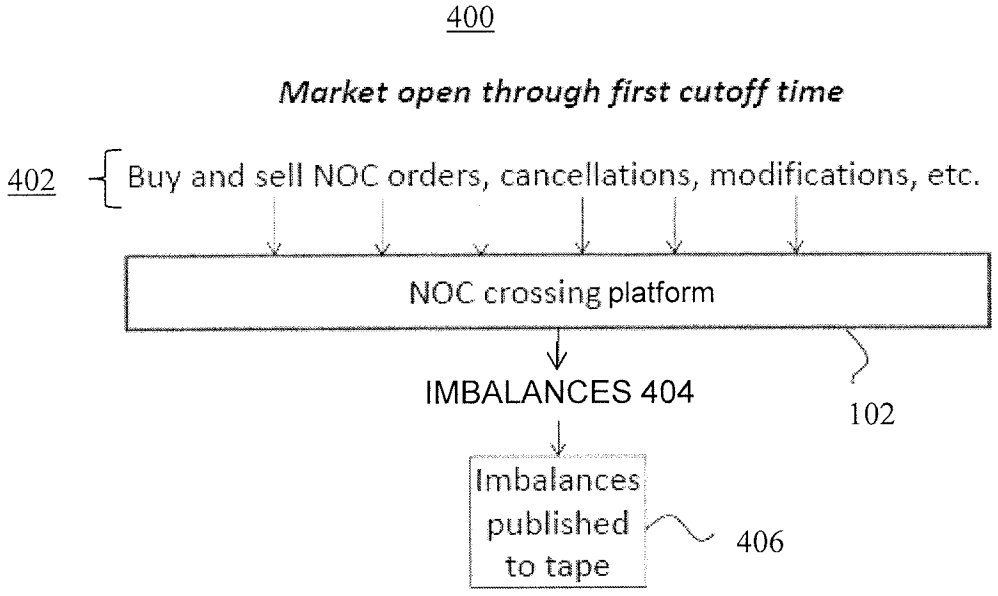

400
Market open through first cutoff time
402
Buy and sell NOC orders, cancellations, modifications, etc.
NOC crossing platform
IMBALANCES 404
102
Imbalances published to tape
406

FIG. 4

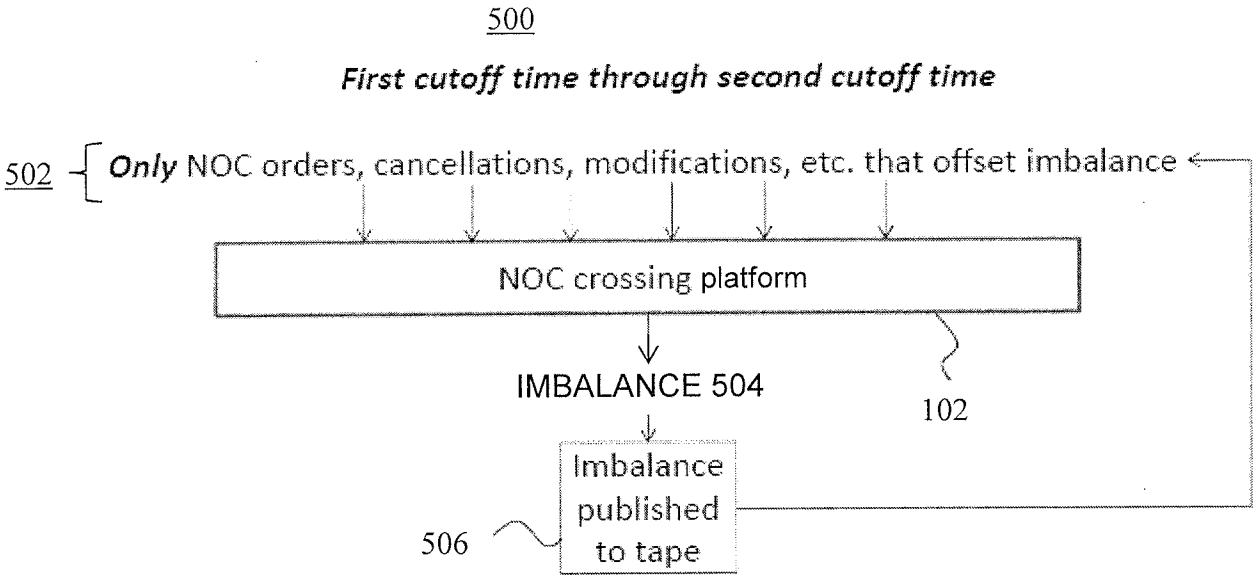

500
First cutoff time through second cutoff time
502
Only NOC orders, cancellations, modifications, etc. that offset imbalance
NOC crossing platform
IMBALANCE 504
102
Imbalance published to tape
506

FIG. 5

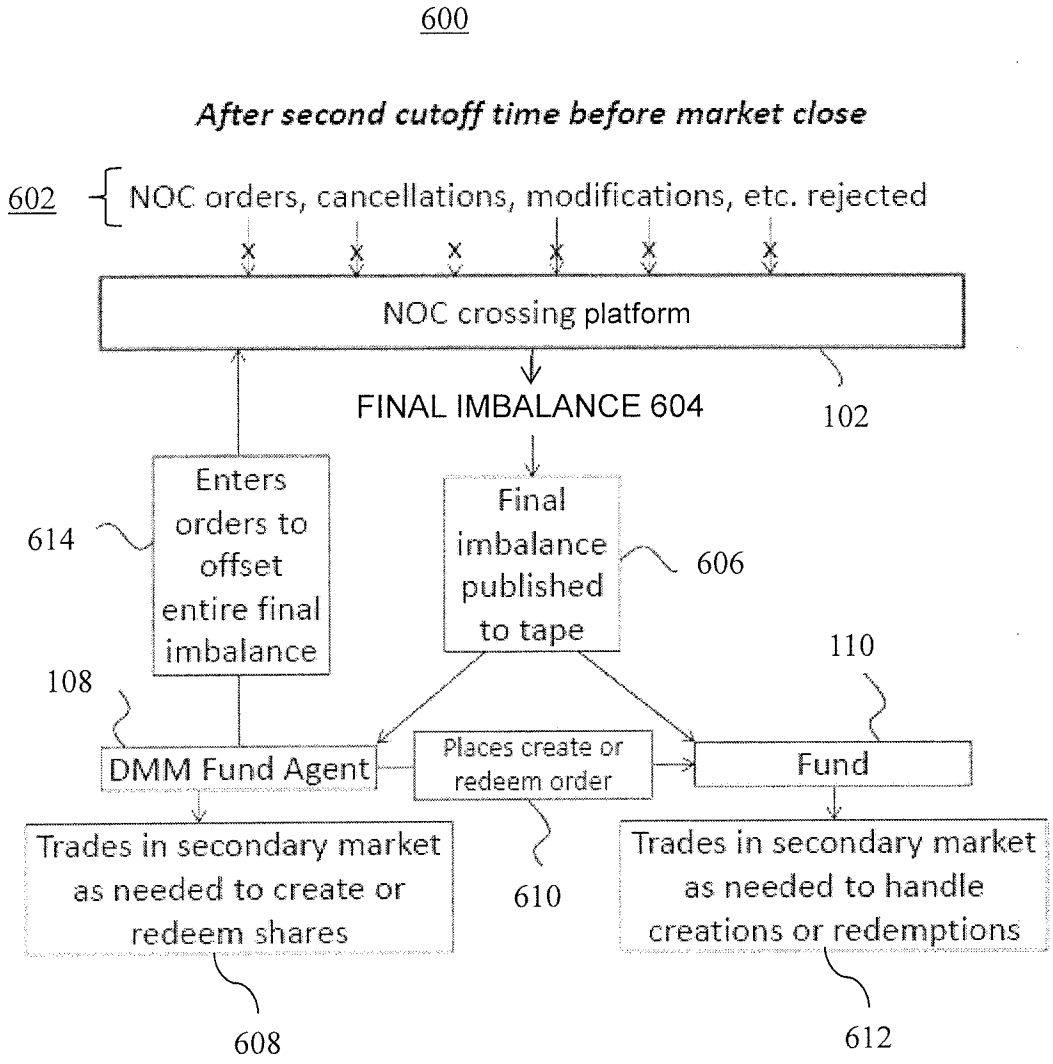

600
After second cutoff time before market close
602
NOC orders, cancellations, modifications, etc. rejected
NOC crossing platform
FINAL IMBALANCE 604
102
Enters orders to offset entire final imbalance
614
Final imbalance published to tape
606
108
110
DMM Fund Agent
Places create or redeem order
Fund
Trades in secondary market as needed to create or redeem shares
610
Trades in secondary market as needed to handle creations or redemptions
608
612

FIG. 6

700

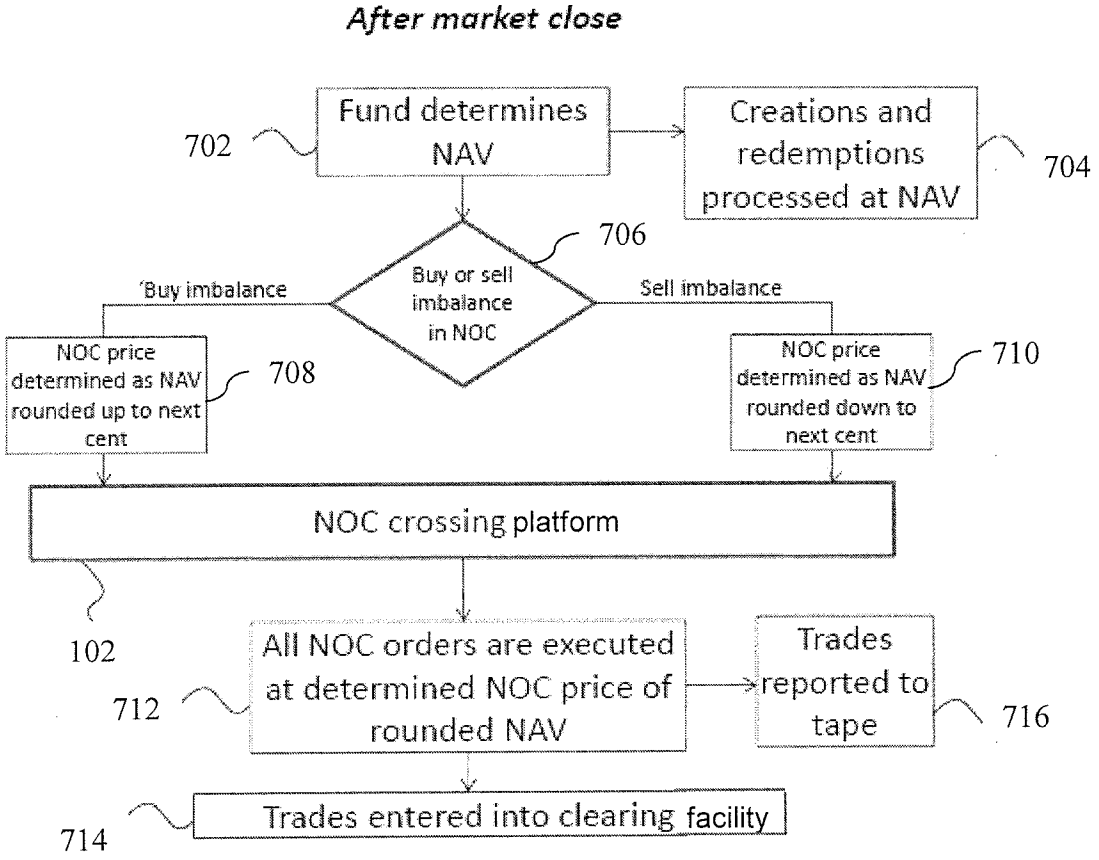

After market close
Fund determines NAV
702
Creations and redemptions processed at NAV
704
Buy or sell imbalance in NOC
706
Buy imbalance
Sell imbalance
NOC price determined as NAV rounded up to next cent
708
NOC price determined as NAV rounded down to next cent
710
NOC crossing platform
102
All NOC orders are executed at determined NOC price of rounded NAV
712
Trades reported to tape
716
Trades entered into clearing facility
714

FIG. 7

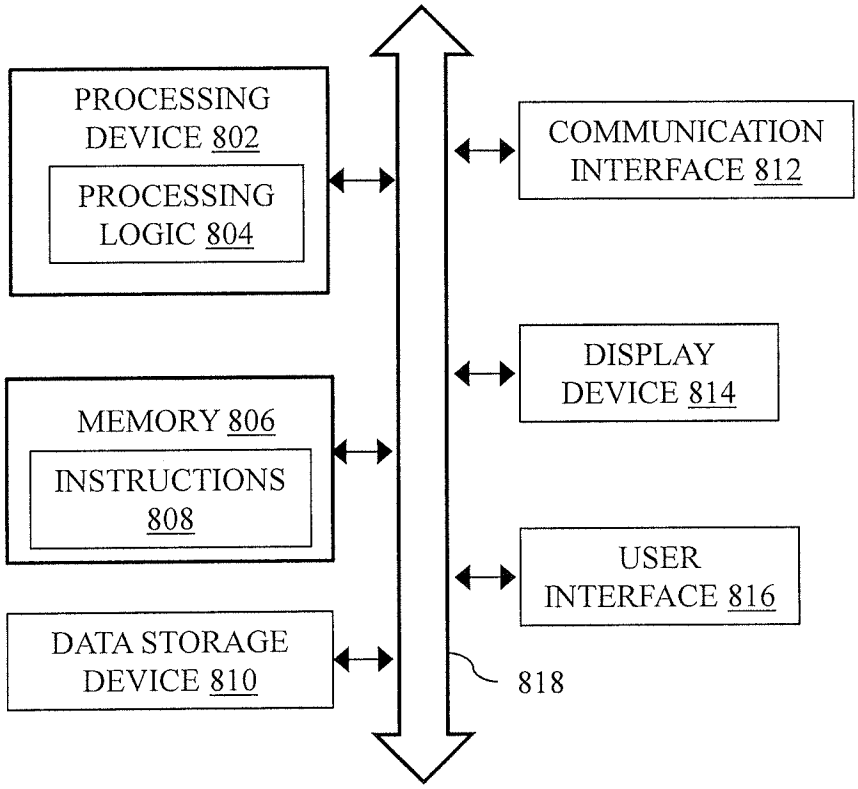

800
PROCESSING DEVICE 802
PROCESSING LOGIC 804
MEMORY 806
INSTRUCTIONS 808
DATA STORAGE DEVICE 810
COMMUNICATION INTERFACE 812
DISPLAY DEVICE 814
USER INTERFACE 816
818

FIG. 8