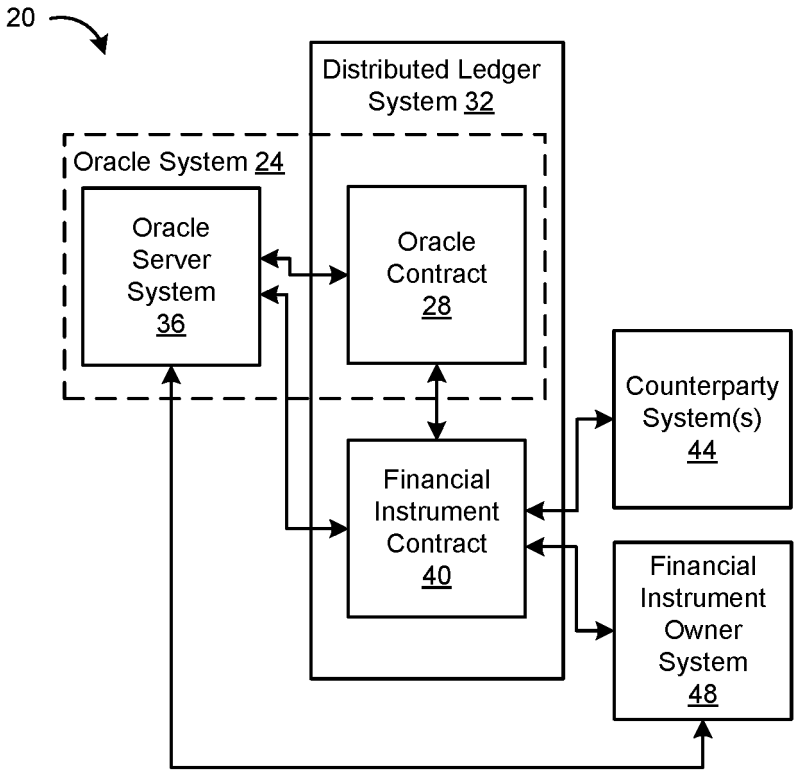

20
Distributed Ledger System 32
Oracle System 24
Oracle Server System 36
Oracle Contract 28
Counterparty System(s) 44
Financial Instrument Contract 40
Financial Instrument Owner System 48

FIG. 1

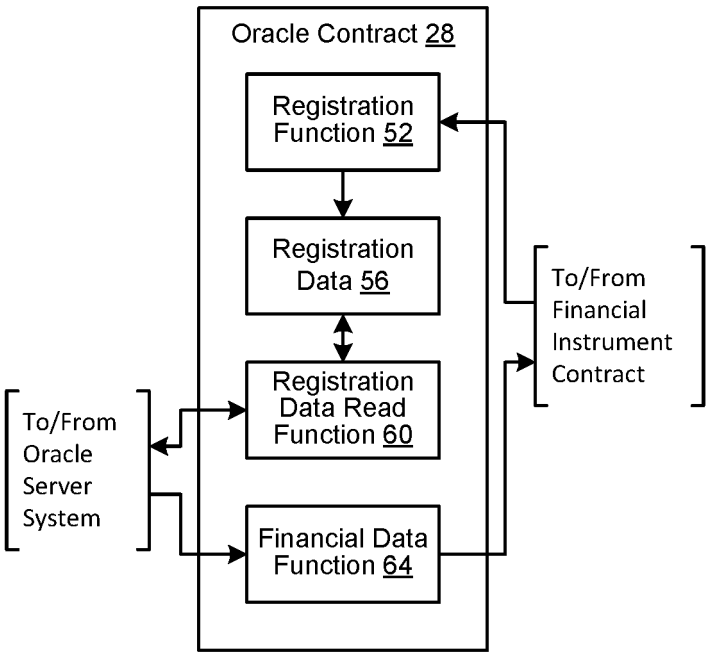

Oracle Contract 28
Registration Function 52
Registration Data 56
Registration Data Read Function 60
Financial Data Function 64
To/From Oracle Server System
To/From Financial Instrument Contract

FIG. 2

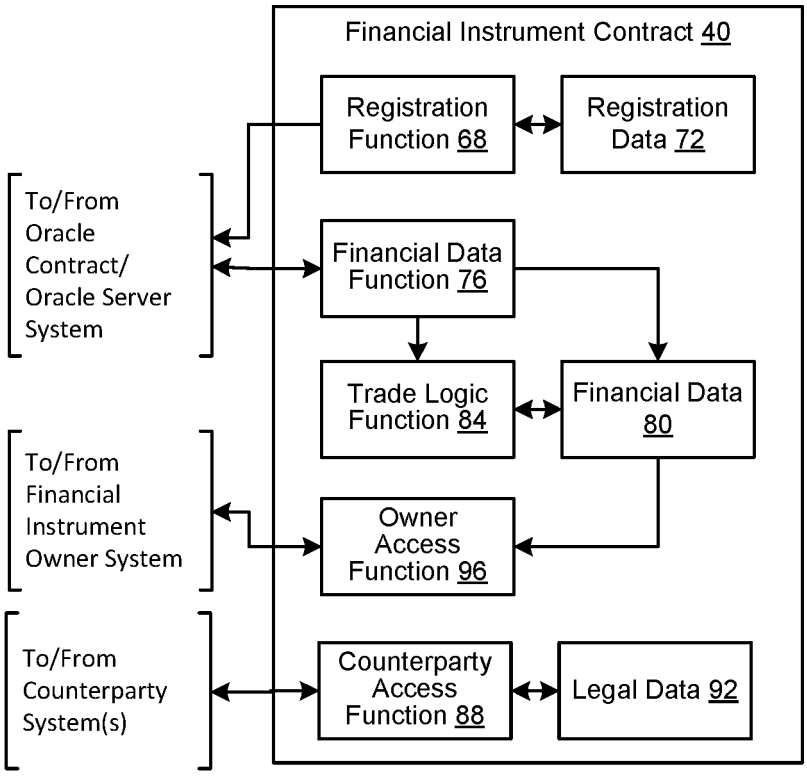

Financial Instrument Contract 40
Registration Function 68
Registration Data 72
To/From Oracle Contract/ Oracle Server System
Financial Data Function 76
Trade Logic Function 84
Financial Data 80
To/From Financial Instrument Owner System
Owner Access Function 96
To/From Counterparty System(s)
Counterparty Access Function 88
Legal Data 92

FIG. 3

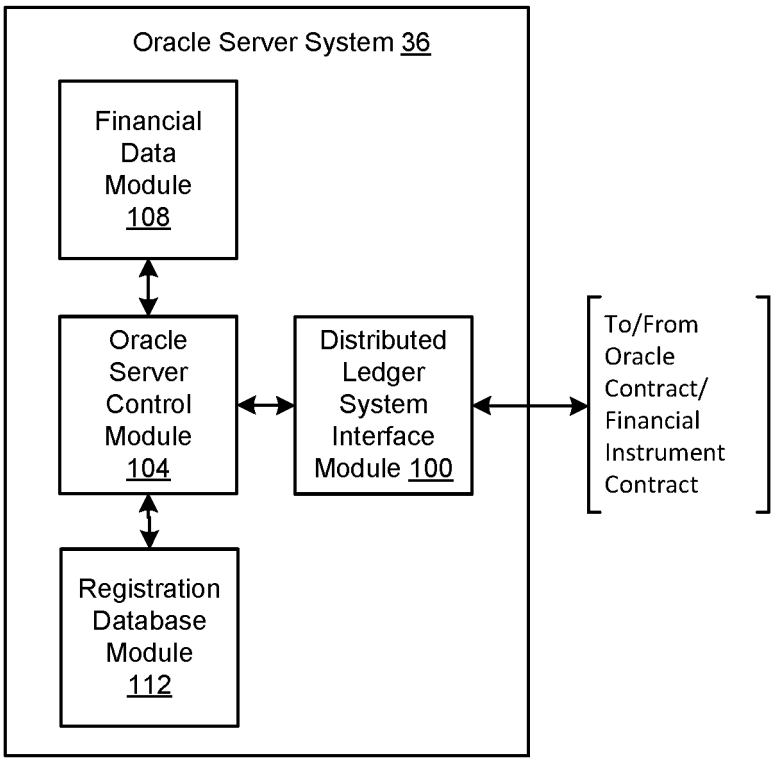

Oracle Server System 36
Financial Data Module 108
Oracle Server Control Module 104
Distributed Ledger System Interface Module 100
Registration Database Module 112
To/From Oracle Contract/ Financial Instrument Contract

FIG. 4

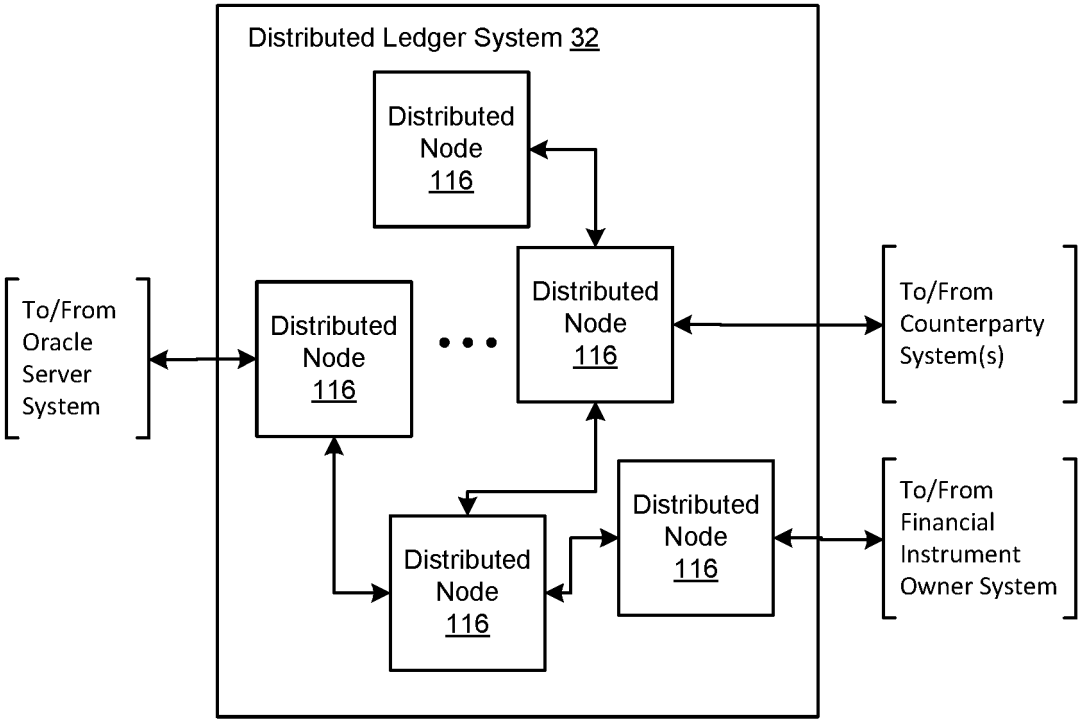


FIG. 5

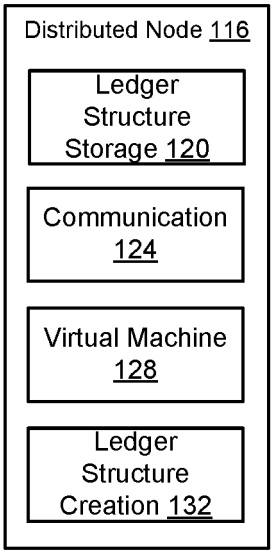


FIG. 6

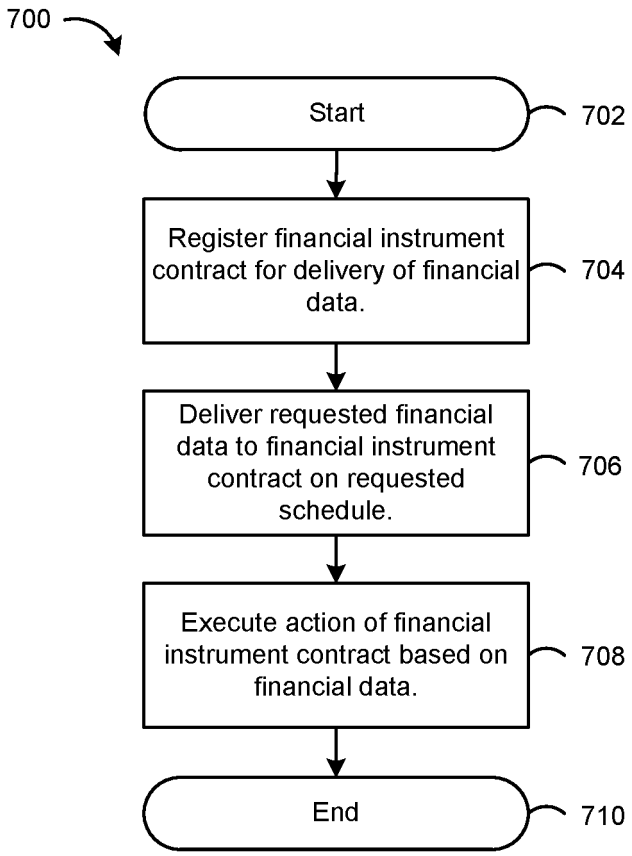


FIG. 7

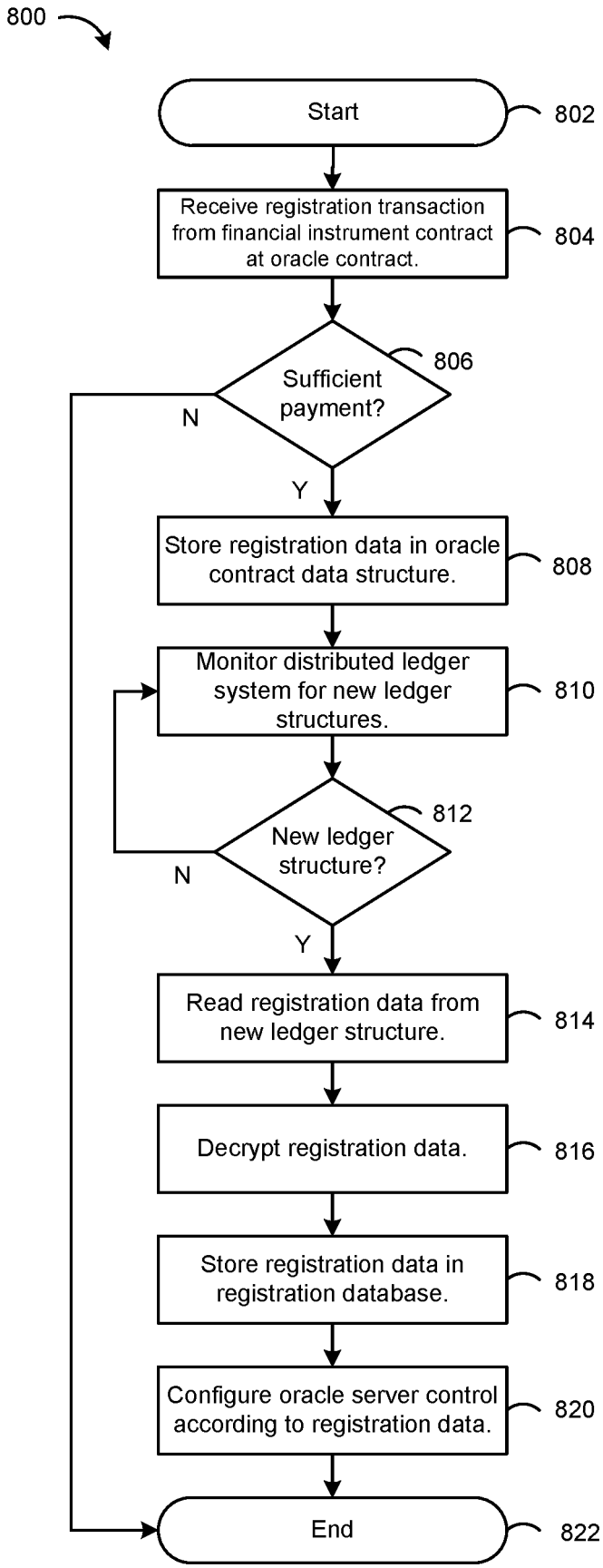

800
Start
802
Receive registration transaction from financial instrument contract at oracle contract.
804
Sufficient payment?
806
N
Y
Store registration data in oracle contract data structure.
808
Monitor distributed ledger system for new ledger structures.
810
New ledger structure?
812
N
Y
Read registration data from new ledger structure.
814
Decrypt registration data.
816
Store registration data in registration database.
818
Configure oracle server control according to registration data.
820
End
822

FIG. 8

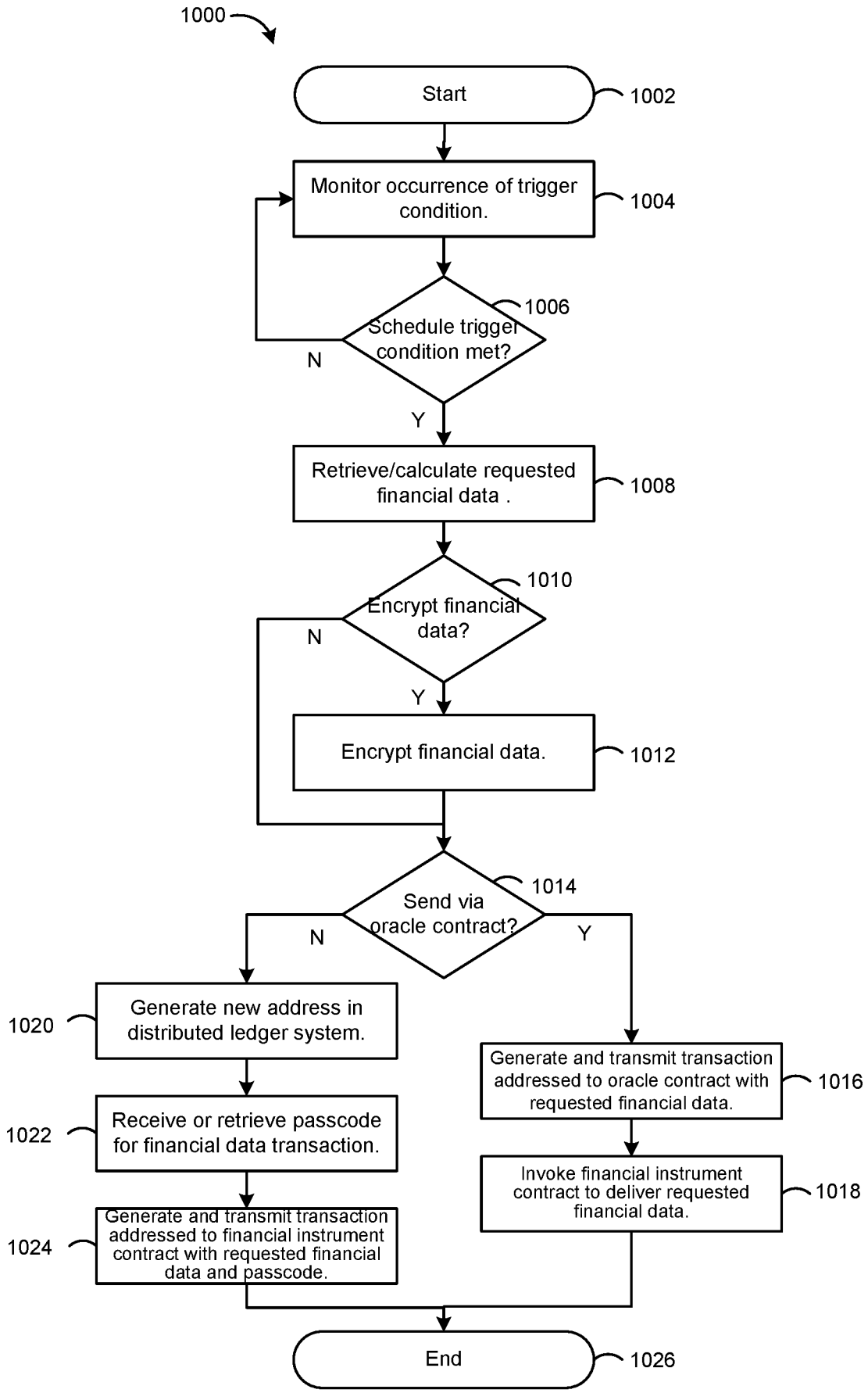

1000
Start
1002
Monitor occurrence of trigger condition.
1004
Schedule trigger condition met?
1006
N
Y
Retrieve/calculate requested financial data .
1008
Encrypt financial data?
1010
N
Y
Encrypt financial data.
1012
Send via oracle contract?
1014
N
Y
Generate new address in distributed ledger system.
1020
Receive or retrieve passcode for financial data transaction.
1022
Generate and transmit transaction addressed to financial instrument contract with requested financial data and passcode.
1024
Generate and transmit transaction addressed to oracle contract with requested financial data.
1016
Invoke financial instrument contract to deliver requested financial data.
1018
End
1026

FIG. 10

FIG. 9A

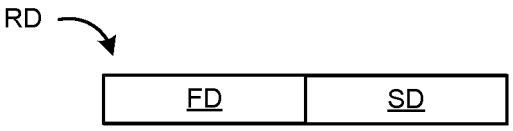


FIG. 9B

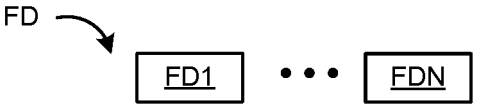
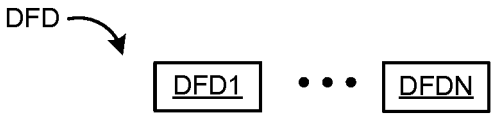


FIG. 9C



FIG. 11



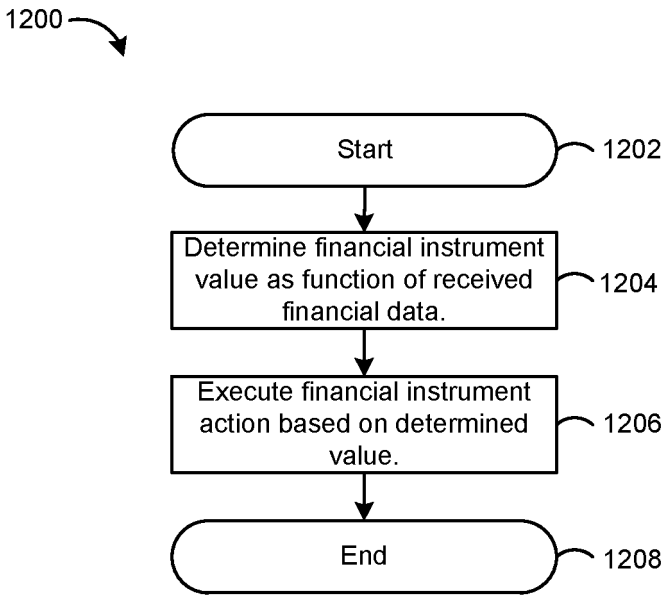


FIG. 12