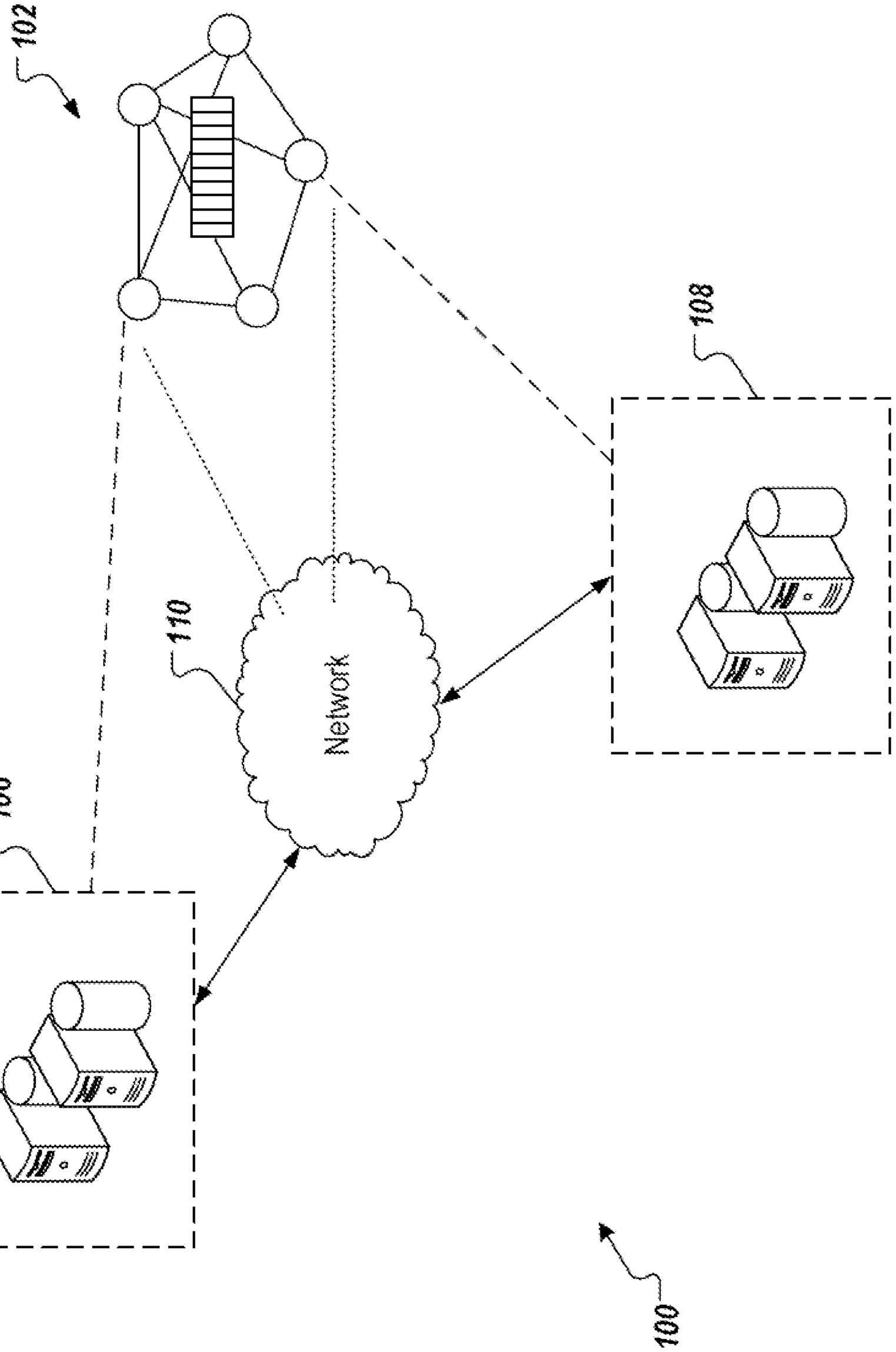

FIG. 1

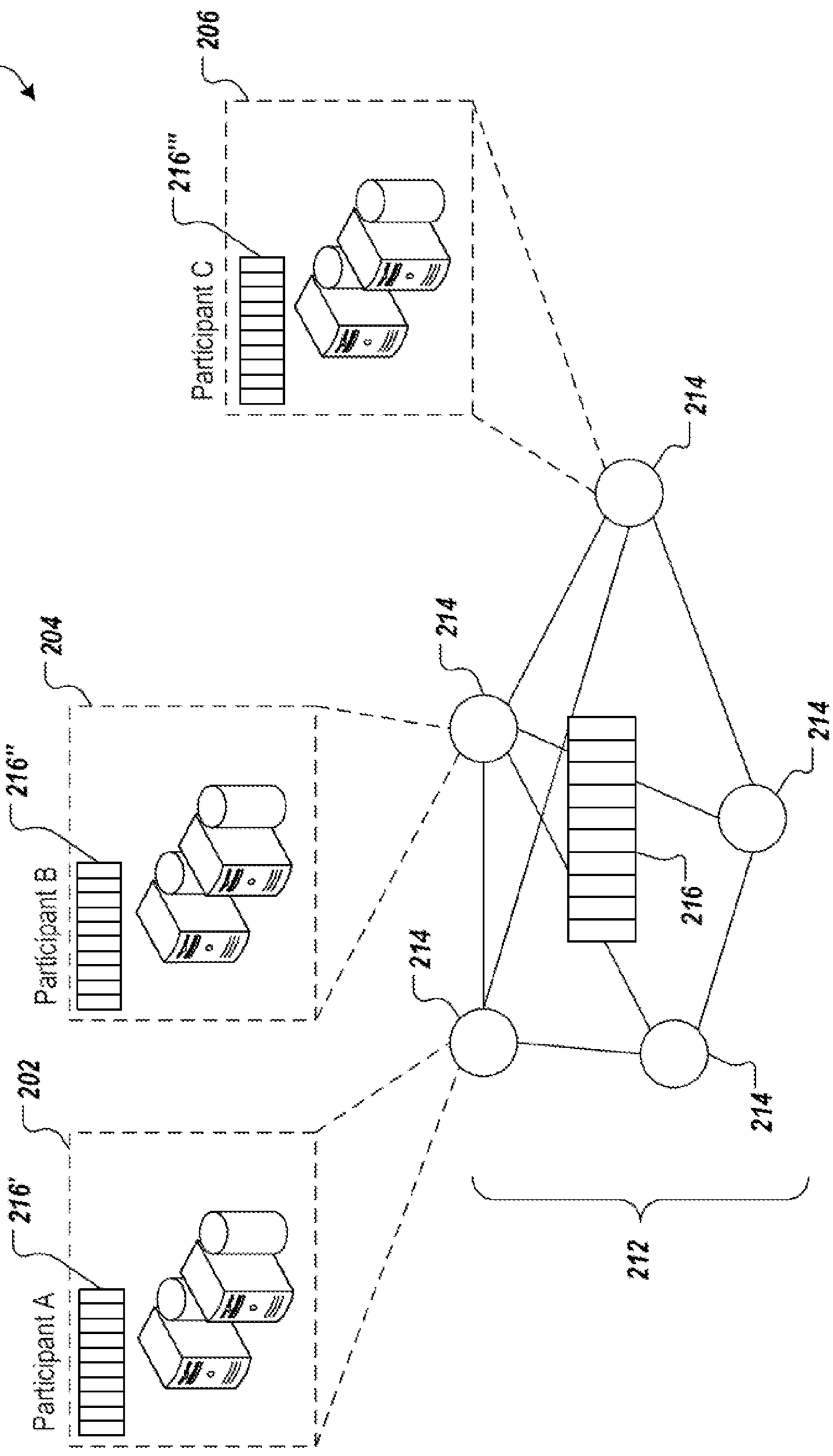
200
206
216"
Participant C
214
214
214
214
204
216"
Participant B
214
216
202
216'
Participant A
212

FIG. 2

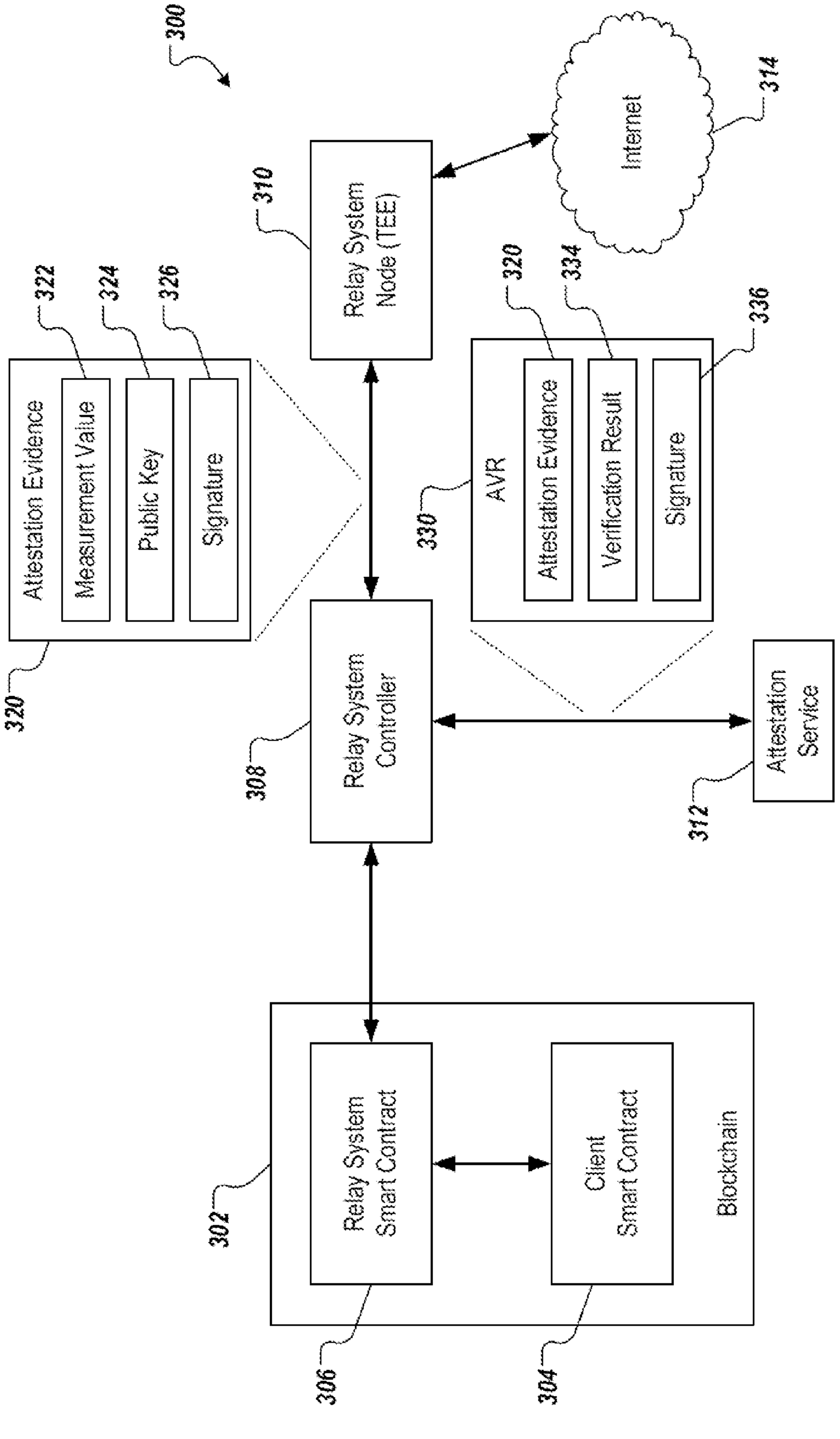
300
310
Relay System Node (TEE)
Internet
314
320
322
324
326
Attestation Evidence
Measurement Value
Public Key
Signature
334
336
330
AVR
Attestation Evidence
Verification Result
Signature
308
Relay System Controller
312
Attestation Service
302
Relay System Smart Contract
Client Smart Contract
Blockchain
306
304

FIG. 3

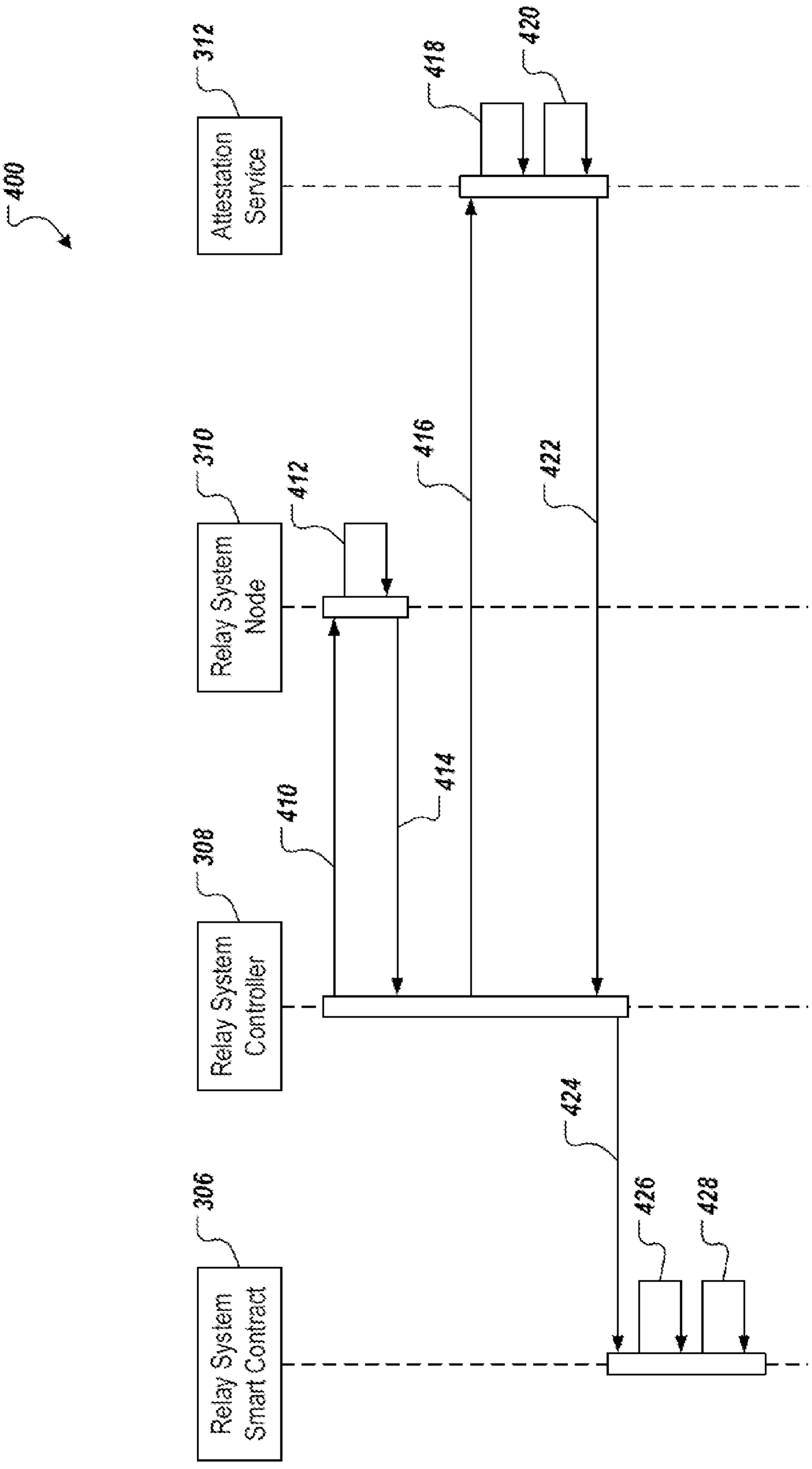
400
312
Attestation Service
418
420
310
Relay System Node
412
416
422
308
Relay System Controller
410
414
306
Relay System Smart Contract
424
426
428

FIG. 4

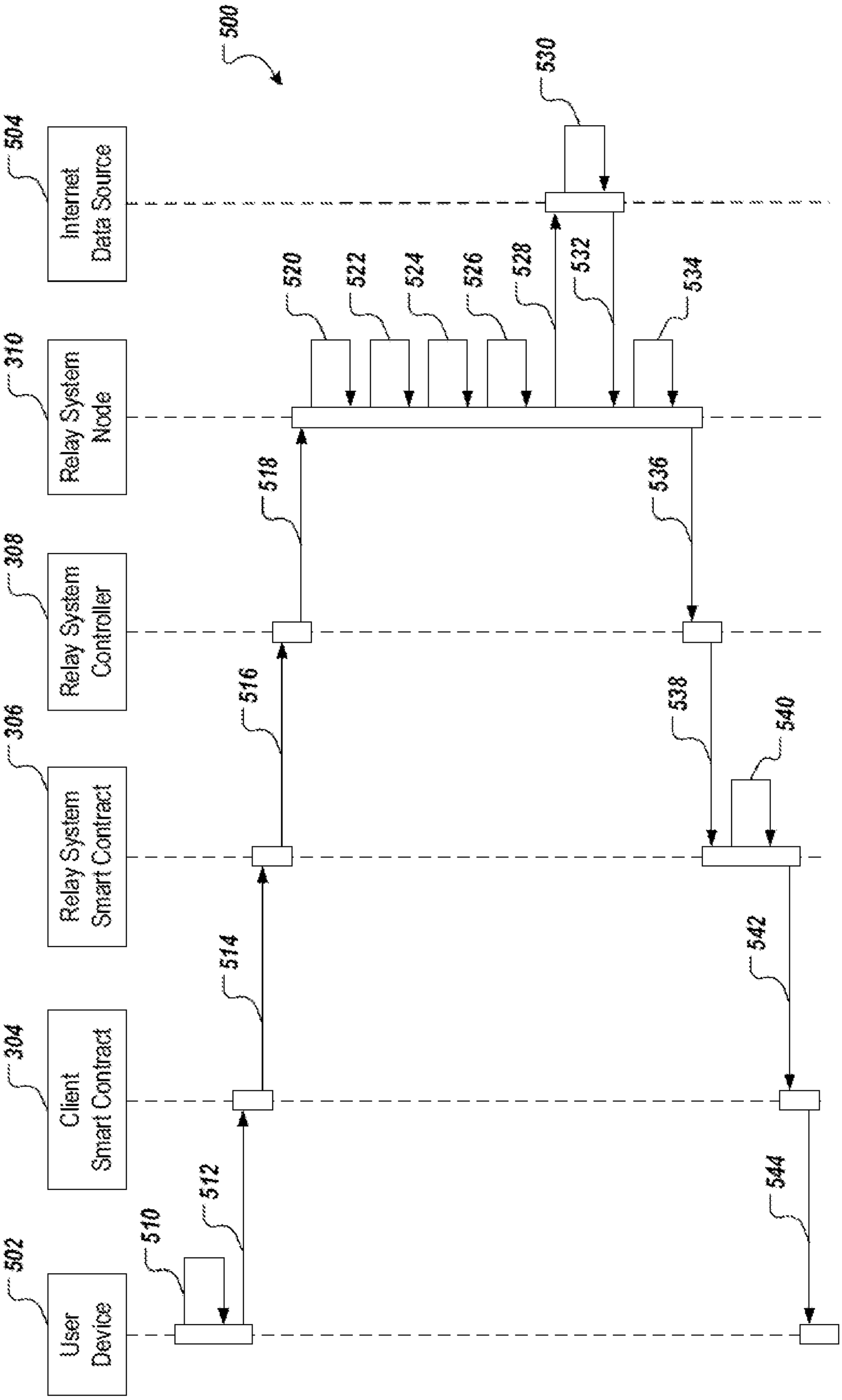
500
502
User Device
504
Internet Data Source
304
Client Smart Contract
306
Relay System Smart Contract
308
Relay System Controller
310
Relay System Node
510
512
514
516
518
520
522
524
526
528
530
532
534
536
538
540
542
544

FIG. 5

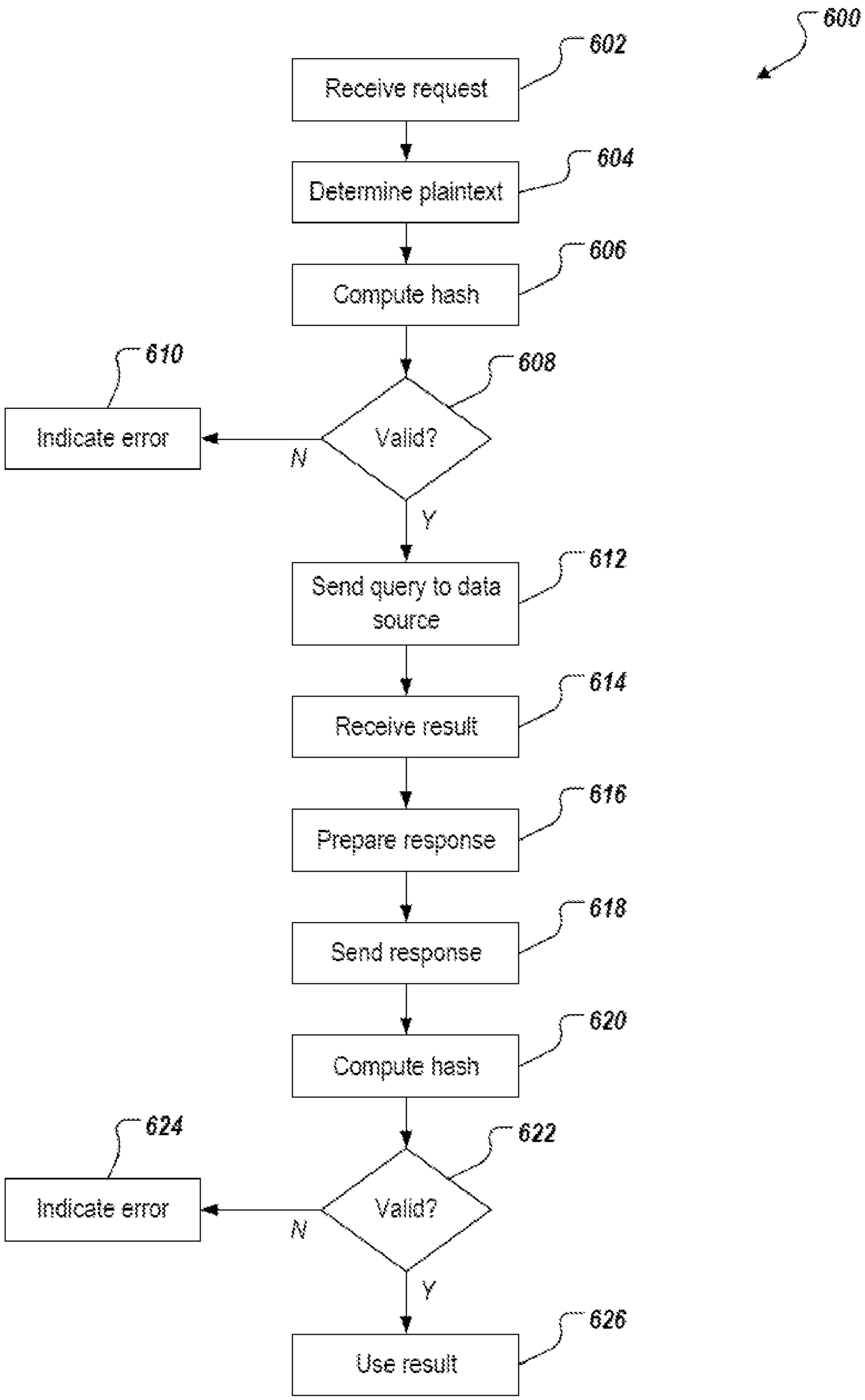
600
602
Receive request
604
Determine plaintext
606
Compute hash
608
Valid?
N
610
Indicate error
Y
612
Send query to data source
614
Receive result
616
Prepare response
618
Send response
620
Compute hash
622
Valid?
N
624
Indicate error
Y
626
Use result

FIG. 6

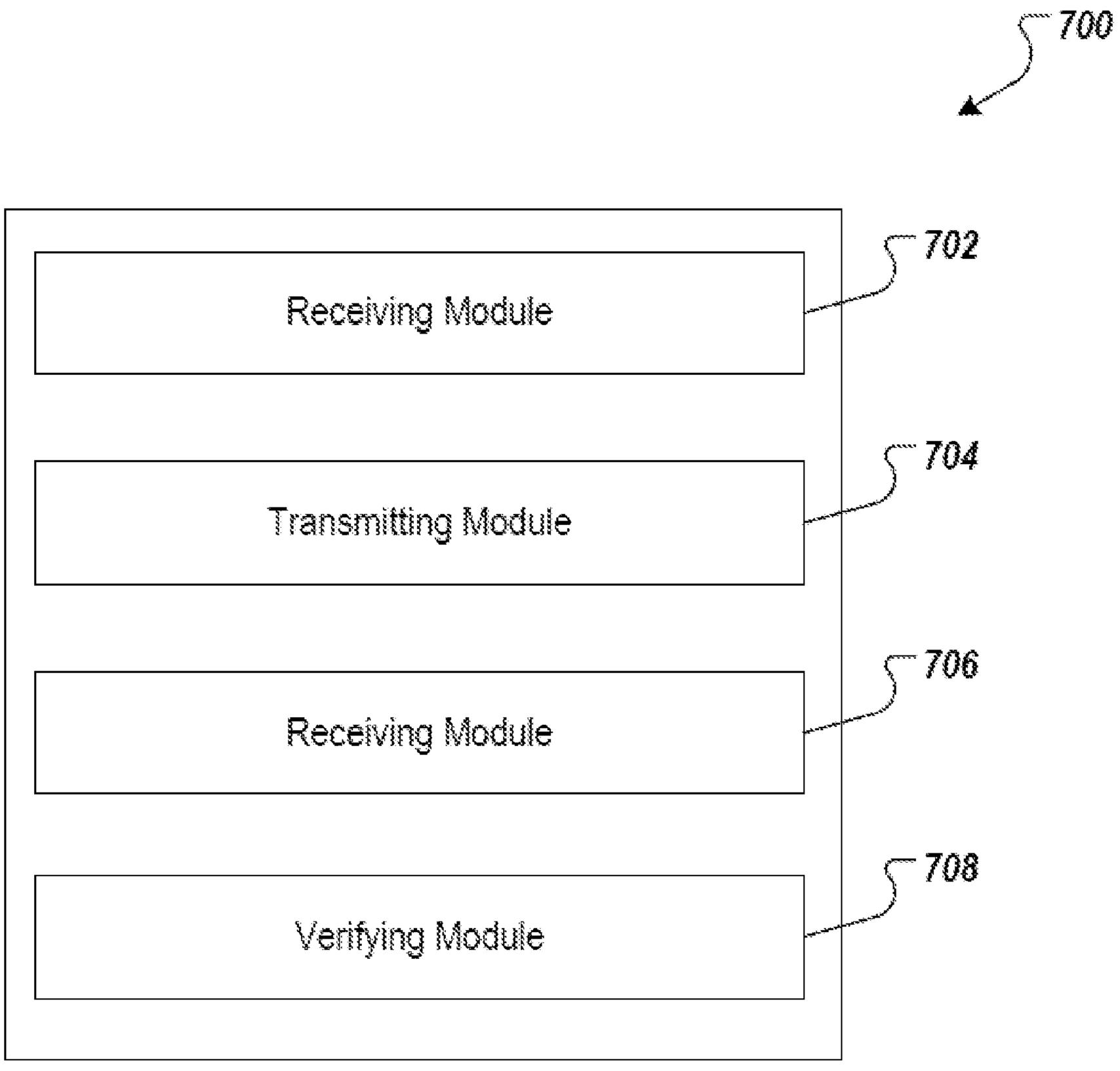
700
Receiving Module
702
Transmitting Module
704
Receiving Module
706
Verifying Module
708

FIG. 7